K.L.N. COLLEGE OF ENGINEERING

POTTAPALAYAM – 630612

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CO, PO, PSO ATTAINMENT

2013 – 2017 BATCH

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K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VISION AND MISSION OF THE INSTITUTE

VISION:

To become a Premier Institute of National Repute by Providing Quality Education, Successful Graduation, Potential Employability and Advanced Research & Development through Academic Excellence.

MISSION:

To Develop and Make Students Competent Professional in the Dynamic Environment in the field of Engineering, Technology and Management by emphasizing Research, Social Concern and Ethical Values through Quality Education System.

VISION AND MISSION OF THE DEPARTMENT

VISION:

To become a high standard of excellence in Education, Training and Research in the field of Electrical & Electronics Engineering and allied applications.

MISSION:

To produce excellent, innovative and Nationalistic Engineers with Ethical Values and to advance in the field of Electrical & Electronics Engineering and allied areas.

PROGRAM OUTCOMES (POs)

Electrical and Electronics Engineering Graduates will be able to:

PO1: Engineering knowledge:
Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis:
Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions:
Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems:
Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage:
Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society:
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability:
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics:
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work:
Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication:
Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance:
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning:
Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Electrical and Electronics Engineering Graduates will be able to:

PSO1:
Apply the fundamentals of mathematics, science and engineering knowledge to identify, formulate, design and investigate complex engineering problems of electric circuits, analog and digital electronic circuits, electrical machines and power systems.

PSO2:
Apply appropriate techniques and modern Engineering hardware and software tools in power systems to engage in life- long learning and to successfully adapt in multi-disciplinary environments.

PSO3:
Understand the impact of Professional Engineering solutions in societal and environmental context, commit to professional ethics and communicate effectively.

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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S.No	Course code	Course	Course Name	Page Number	
				CO	CO Calculations
Semester I					
1.	HS6151	C101	Technical English – I	12	66
2.	MA6151	C102	Mathematics – I	12	68
3.	PH6151	C103	Engineering Physics – I	12	74
4.	CY6151	C104	Engineering Chemistry – I	12	78
5.	GE6151	C105	Computer Programming	13	81
6.	GE6152	C106	Engineering Graphics	13	84
7.	GE6161	C107	Computer Practices Laboratory	13	87
8.	GE6162	C108	Engineering Practices Laboratory	13	90
9.	GE6163	C109	Physics and Chemistry Laboratory – I	14	93
Semester II					
10.	HS6251	C110	Technical English – II	14	96
11.	MA6251	C111	Mathematics – II	14	99
12.	PH6251	C112	Engineering Physics – II	14	102
13.	CY6251	C113	Engineering Chemistry – II	15	105
14.	GE6251	C114	Basic Civil and Mechanical Engineering	15	108
15.	EE6201	C115	Circuit Theory	15	111
16.	GE6262	C116	Physics and Chemistry Laboratory – II	15	114
17.	GE6263	C117	Computer Programming Laboratory	16	117
18.	EE6211	C118	Electric Circuits Laboratory	16	120
Semester III					
19.	MA6351	C201	Transforms and Partial Differential Equations	16	123
20.	EE6301	C202	Digital Logic Circuits	16	127
21.	EE6302	C203	Electromagnetic Theory	16	131
22.	GE6351	C204	Environmental Science and Engineering	17	135
23.	EC6202	C205	Electronic Devices and Circuits	17	139
24.	EE6303	C206	Linear Integrated Circuits and Applications	17	143
25.	EC6361	C207	Electronics Laboratory	17	147
26.	EE6311	C208	Linear and Digital Integrated Circuits Laboratory	18	151
Semester IV					
27.	MA6459	C209	Numerical Methods	18	155
28.	EE6401	C210	Electrical Machines – I	18	159
29.	CS6456	C211	Object Oriented Programming	18	163
30.	EE6402	C212	Transmission and Distribution	18	167
31.	EE6403	C213	Discrete Time Systems and Signal Processing	19	171
32.	EE6404	C214	Measurements and Instrumentation	19	175
33.	CS6451	C215	Object Oriented Programming Laboratory	19	179
34.	EE6411	C216	Electrical machines Laboratory – I	19	183
Semester V					
35	EE6501	C301	Power System Analysis	20	187
36	EE6502	C302	Microprocessors and Microcontrollers	20	191
37	ME6701	C303	Power Plant Engineering	20	195
38	EE6503	C304	Power Electronics	21	199
39	EE6504	C305	Electrical Machines – II	21	203
40	IC6501	C306	Control Systems	21	207
41	EE6511	C307	Control and instrumentation laboratory	22	211
42	GE6674	C308	Communication and Soft Skills Laboratory Based	22	215
43	EE6512	C309	Electrical Machines Laboratory – II	22	219
Semester VI					
44	EC6651	C310	Communication Engineering	23	223
45	EE6601	C311	Solid State Drives	23	227
46	EE6602	C312	Embedded Systems	23	231

47	EE6603	C313	Power System Operation and Control	24	235
48	EE6604	C314	Design of Electrical Machines	24	239
49	EE6002	C315E3	Power Systems Transients	24	243
50	EE6611	C316	Power Electronics and Drives Laboratory	24	247
51	EE6612	C317	Microprocessors and Microcontrollers Laboratory	25	251
52	EE6613	C318	**Presentation Skills and Technical Seminar**	25	255
Semester VII					
53	EE6701	C401	High Voltage Engineering	25	259
54	EE6702	C402	Protection and Switchgear	25	263
55	EE6703	C403	Special Electrical Machines	26	267
56	MG6851	C404	Principles of Management	26	271
57	EE6005	C405E4	Power Quality	26	275
58	EE6008	C406E4	Micro controller Based System Design	26	279
59	EE6711	C407	Power System Simulation Laboratory	27	283
60	EE6712	C408	**Comprehension**	27	287
Semester VIII					
61	EE6801	C409	Electric Energy Generation, Utilization and Conservation	27	291
62	EE6009	C410E1	Power Electronics for Renewable Energy Systems	27	295
63	EE6002	C411	VLSI Design	28	299
64	EE6811	C412	Project Work	28	303

Typical Calculation

For **First Year** Subjects, the following calculation is made:

1. **Test (CIT's)**
    a. Students Present = **X** No. of Students
    b. Target = **60** Marks
    c. Count "Students (**X**) >= **60** Marks" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)

2. **Assignment (A)**
    a. Students Present = **X** No. of Students
    b. Target = **80** Marks
    c. Count "Students (**X**) >= **80** Marks" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)

3. **Anna University Examination (AU)**
    a. Students Present = **X** No. of Students
    b. Target = **70** Marks (or **C** Grade)
    c. Count "Students (**X**) >= **C** Grade" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)

4. **Attainment Calculation**

Internal Test (IT)	Assignment(A)	Formula for Internal Assessment (IA)	Direct Attainment
✓		IA = IT	DA = 0.6*AU + 0.4*IA
✓	✓	IA = 0.7XIT + 0.3XA	

For **Second & Third Year** Subjects, the following calculation is made:

1. **Test (CIT's)**
    a. Students Present = **X** No. of Students
    b. Target = **60** Marks
    c. Count "Students (**X**) >= **60** Marks" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)

2. **Assignment (A)**
    a. Students Present = **X** No. of Students
    b. Target = **80** Marks
    c. Count "Students (**X**) >= **80** Marks" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)

3. **Anna University Examination (AU)**
    a. Students Present = **X** No. of Students
    b. Target = **70** Marks (or **C** Grade)
    c. Count "Students (**X**) >= **C** Grade" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)
4. **Survey (S)**
    a. If S >= 80%, Level Obtained = 3 (High)
    b. If S >= 70%, Level Obtained = 2 (Medium)
    c. If S >= 60%, Level Obtained = 1 (Low)
5. **Attainment Calculation**

Internal Test (IT)	Assignment(A)	Formula for Internal Assessment (IA)	Direct Attainment	Overall Attainment
✓		IA = IT	DA = 0.6*AU + 0.4*IA	CO=0.8*DA + 0.2*S
✓	✓	IA = 0.7XIT + 0.3XA		

For **Final Year** Subjects, the following calculation is made:

1. **Test (CIT's)**
    a. Students Present = **X** No. of Students
    b. Target = **60** Marks
    c. Count "Students (**X**) >= **60** Marks" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)
2. **Assignment (A)**
    a. Students Present = **X** No. of Students
    b. Target = **80** Marks
    c. Count "Students (**X**) >= **80** Marks" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)

3. **Anna University Examination (AU)**
    a. Students Present = **X** No. of Students
    b. Target = **70** Marks (or **C** Grade)
    c. Count "Students (**X**) >= **C** Grade" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)
4. **Survey (S)**
    a. If S >= 80%, Level Obtained = 3 (High)
    b. If S >= 70%, Level Obtained = 2 (Medium)
    c. If S >= 60%, Level Obtained = 1 (Low)
5. **Seminar, Quiz and Tutorial**
    a. Students Present = **X** No. of Students
    b. Target = **65** Marks (or **C** Grade)
    c. Count "Students (**X**) >= **65 Marks**" = **Y** No. of Students
    d. Percentage **(P) = [(Y/X) * 100**]%
        i. If **P** >= 80%, Level Obtained = 3 (High)
        ii. If **P** >= 70%, Level Obtained = 2 (Medium)
        iii. If **P** >= 60%, Level Obtained = 1 (Low)

6. **Attainment Calculation**

Internal Test (IT)	Assignment(A)	Tutorial(T)	Seminar(S)/ Quiz(Q)	Others (O)	Formula for Internal Assessment (IA)
✓					IA = IT
✓				✓	IA = 0.8XIT + 0.2XO
✓			✓		IA = 0.8XIT + 0.2XS/Q
✓			✓	✓	IA = 0.7XIT + 0.2XS/Q + 0.1XO
✓		✓			IA = 0.7XIT + 0.3XT
✓		✓		✓	IA = 0.7XIT + 0.2XT + 0.1XO
✓		✓	✓		IA = 0.7XIT + 0.2XT + 0.1XS/Q
✓		✓	✓	✓	IA = 0.6XIT + 0.2XT + 0.1XS/Q+ 0.1XO
✓	✓				IA = 0.7XIT + 0.3XA
✓	✓			✓	IA = 0.7XIT + 0.2XA + 0.1X O
✓	✓		✓		IA = 0.7XIT + 0.2XA + 0.1XS/Q
✓	✓		✓	✓	IA = 0.6XIT + 0.2XA + 0.1XS/Q + 0.1XO
✓	✓	✓			IA = 0.6XIT + 0.2XA + 0.2XT
✓	✓	✓		✓	IA = 0.6XIT + 0.1XA + 0.2XT + 0.1XO
✓	✓	✓	✓		IA = 0.6XIT + 0.1XA + 0.2XT + 0.1XS/Q
✓	✓	✓	✓	✓	IA = 0.6XIT + 0.1XA + 0.1XT + 0.1XS/Q + 0.1XO

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION: 2013-Chennai

Batch- 2013-2017

B.E-EEE- I to VIII SEMESTER CURRICULUM

S.No	Course code	Course	Course Name	L	T	P	C
SEMESTER-I							
1.	HS6151	C101	Technical English – I	3	1	0	4
2.	MA6151	C102	Mathematics – I	3	1	0	4
3.	PH6151	C103	Engineering Physics – I	3	0	0	3
4.	CY6151	C104	Engineering Chemistry – I	3	0	0	3
5.	GE6151	C105	Computer Programming	3	0	0	3
6.	GE6152	C106	Engineering Graphics	2	0	3	4
7.	GE6161	C107	Computer Practices Laboratory	0	0	3	2
8.	GE6162	C108	Engineering Practices Laboratory	0	0	3	2
9.	GE6163	C109	Physics and Chemistry Laboratory – I	0	0	2	1
SEMESTER-II							
10.	HS6251	C110	Technical English – II	3	1	0	4
11.	MA6251	C111	Mathematics – II	3	1	0	4
12.	PH6251	C112	Engineering Physics – II	3	0	0	3
13.	CY6251	C113	Engineering Chemistry – II	3	0	0	3
14.	GE6251	C114	Basic Civil and Mechanical Engineering	4	0	0	4
15.	EE6201	C115	Circuit Theory	3	1	0	4
16.	GE6262	C116	Physics and Chemistry Laboratory – II	0	0	2	1
17.	GE6263	C117	Computer Programming Laboratory	0	1	2	2
18.	EE6211	C118	Electric Circuits Laboratory	0	0	3	2
SEMESTER-III							
19.	MA6351	C201	Transforms and Partial Differential Equations	3	1	0	4
20.	EE6301	C202	Digital Logic Circuits	3	1	0	4
21.	EE6302	C203	Electromagnetic Theory	3	1	0	4
22.	GE6351	C204	Environmental Science and Engineering	3	0	0	3
23.	EC6202	C205	Electronic Devices and Circuits	3	1	0	4
24.	EE6303	C206	Linear Integrated Circuits and Applications	3	0	0	3
25.	EC6361	C207	Electronics Laboratory	0	0	3	2
26.	EE6311	C208	Linear and Digital Integrated Circuits Laboratory	0	0	3	2
27.							
SEMESTER-IV							
28.	MA6459	C209	Numerical Methods	3	1	0	4
29.	EE6401	C210	Electrical Machines – I	3	1	0	4
30.	CS6456	C211	Object Oriented Programming	3	0	0	3
31.	EE6402	C212	Transmission and Distribution	3	0	0	3
32.	EE6403	C213	Discrete Time Systems and Signal Processing	3	0	0	3
33.	EE6404	C214	Measurements and Instrumentation	3	0	0	3
34.	CS6451	C215	Object Oriented Programming Laboratory	0	0	3	2
35.	EE6411	C216	Electrical machines Laboratory – I	0	0	3	2
36.							

S.No	Course code	Course	Course Name	L	T	P	C
SEMESTER-V							
37.	EE6501	C301	Power System Analysis	3	0	0	3
38.	EE6502	C302	Microprocessors and Microcontrollers	3	0	0	3
39.	ME6701	C303	Power Plant Engineering	3	0	0	3
40.	EE6503	C304	Power Electronics	3	0	0	3
41.	EE6504	C305	Electrical Machines – II	3	1	0	4
42.	IC6501	C306	Control Systems	3	1	0	4
43.	EE6511	C307	Control and instrumentation laboratory	0	0	3	2
44.	GE6674	C308	Communication and Soft Skills Laboratory Based	0	0	4	2
45.	EE6512	C309	Electrical Machines Laboratory – II	0	0	3	2
46.							
SEMESTER-VI							
47.	EC6651	C310	Communication Engineering	3	0	0	3
48.	EE6601	C311	Solid State Drives	3	0	0	3
49.	EE6602	C312	Embedded Systems	3	0	0	3
50.	EE6603	C313	Power System Operation and Control	3	0	0	3
51.	EE6604	C314	Design of Electrical Machines	3	1	0	4
52.	EE6002	C315E3	Power Systems Transients	3	0	0	3
53.	EE6611	C316	Power Electronics and Drives Laboratory	0	0	3	2
54.	EE6612	C317	Microprocessors and Microcontrollers Laboratory	0	0	3	2
55.	EE6613	C318	**Presentation Skills and Technical Seminar**	0	0	2	1
SEMESTER-VII							
56.	EE6701	C401	High Voltage Engineering	3	0	0	3
57.	EE6702	C402	Protection and Switchgear	3	0	0	3
58.	EE6703	C403	Special Electrical Machines	3	0	0	3
59.	MG6851	C404	Principles of Management	3	0	0	3
60.	EE6005	C405E4	Power Quality	3	0	0	3
61.	EE6008	C406E4	Micro controller Based System Design	3	0	0	3
62.	EE6711	C407	Power System Simulation Laboratory	0	0	3	2
63.	EE6712	C408	**Comprehension**	0	0	2	1
SEMESTER-VIII							
64.	EE6801	C409	Electric Energy Generation, Utilization and Conservation	3	0	0	3
65.	EE6009	C410E1	Power Electronics for Renewable Energy Systems	3	0	0	3
66.	EE6002	C411	VLSI Design	3	0	0	3
67.	EE6811	C412	Project Work	0	0	12	6

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION – 2013

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE OUTCOMES (CO)

HS6151-Technical English-I [C101]

C101.1	Apply the collaborative and social aspects of research and writing processes.
C101.2	Comprehend that research and writing is a series of tasks, including accessing, retrieving, evaluating, analyzing and synthesizing appropriate data and information from sources that vary in content, format, structure and scope.
C101.3	Use appropriate technologies to organize, present and communicate information to address a range of audiences, purposes and genres.
C101.4	Explain the relationships among language, knowledge and power including social, cultural, historical and economic issues related to information, writing and technology.
C101.5	Demonstrate the role of a variety of technologies/ media in accessing, retrieving, managing and communicating information.

MA6151-Mathematics-I [C102]

C102.1	Find the eigen values and eigen vectors to diagonalise and reduce a matrix to quadratic form
C102.2	Check the converges, diverges of infinite series
C102.3	Obtain the evaluate and envelopes of a given curves by means of radius and centre of curvature
C102.4	Calculate the maxima and minima value functions of two variables
C102.5	Find the area of plain curves and volume of solid using double and triple integrals

PH6151-Engineering Physics-I [C103]

C103.1	Classify the Bravais lattices and different types of crystal structures and growth technique.
C103.2	Demonstrate the properties of elasticity and heat transfer through objects.
C103.3	Explain black body radiation, properties of matter waves and Schrodinger wave equations.
C103.4	Illustrate the acoustic requirements, production and application of ultrasonics.
C103.5	Examine the characteristics of laser and optical fiber.

CY6151 -Engineering Chemistry – I (C104)

C104.1	Classify the polymers and their utility in the industries and describe the techniques of polymerization & properties of polymers.
C104.2	Relate various thermodynamic functions such as enthalpy, entropy, free energy and their importance and equilibrium constant and its significance.
C104.3	Characterize the photophysical processes such as fluorescence and phosphorescence and various components of UV & IR spectrophotometer.
C104.4	Analyze the phase transitions of one component and two component systems and the types of alloys and their application in industries.
C104.5	Describe the synthesis, characteristics and the applications of nano materials.

GE6151-Computer Programming-[C105]

C105.1	Explain the basic organization of computers, the number systems and write the pseudo code for algorithms and flow chart.
C105.2	Develop 'C' programming fundamentals, looping statements and solve problems.
C105.3	Design 'C' programs for arrays and strings.
C105.4	Use functions with pass by value and reference, pointers in programs.
C105.5	Develop codings in 'C' for structures and unions with storage classes and preprocessor.

GE6152- Engineering Graphics [C106]

C106.1	Construct the conic sections and special curves and outline their practical applications and sketch the orthographic views from pictorial views and models
C106.2	Apply the principles of orthographic projections of points in all quadrants, lines and planes in first quadrant.
C106.3	Draw the projections of simple solids like prisms, pyramids, cylinder and cone and obtain the traces of plane figures
C106.4	Design the sectional views of solids like cube, prisms, pyramids, cylinders & cones and Development of its lateral surfaces
C106.5	Apply the principles of isometric projection and perspective projection of simple solids and truncated prisms, pyramids, cone and cylinders

GE6161 – Computer Practices Laboratory – (C107)

C107.1	Prepare data using MS-word & Excel to visualize graphs, charts in MS-Excel.
C107.2	Outline the given problem using flowchart and to program using Switch case & Control structures.
C107.3	Develop the code using decision making & looping statements.
C107.4	Apply passing parameters using Arrays & Functions.
C107.5	Use structure and Union for a given database and to bring out the importance of Unions over structure.

GE6162 – Engineering Practices Laboratory -– (C108)

C108.1	Demonstrate wiring for a simple residential house, identify the ratings of various appliances like Fluorescent tube, incandescent lamp, etc.
C108.2	Calculate the different Electrical quantities, measure the energy consumption using single phase energy meter.
C108.3	Measure the resistance to earth of an electrical equipment, analyze AC signal parameters using CRO.
C108.4	Verify the Truth tables of Logic gates AND, OR, EOR and NOT, generate clock signal using suitable gates.
C108.5	Develop soldering in a PCB, measure ripple factor of Half Wave Rectifier and Full Wave Rectifier.

GE6163 - Physics and Chemistry Laboratory – I (C109)

C109.1	Evaluate the wavelength of spectral lines using spectrometer, the wavelength of laser, particle size, acceptance angle of an optical fiber using semiconductor diode laser and the thickness of a thin wire through interference fringes using Air wedge apparatus.
C109.2	Appraise the velocity of sound and compressibility of the liquid using ultrasonic interferometer and thermal conductivity for bad conductors using Lee's disc apparatus.
C109.3	Determine the DO content in water sample by winkler's method and molecular weight of polymer by Ostwald viscometer.
C109.4	Find the strength of an acid using pH meter and conductometer.
C109.5	Estimate the amount of weak and strong acids in a mixture by conductometer.

HS6251-Technical English-II [C110]

C110.1	speak clearly, confidently, comprehensibly, and communicate with one or many listeners using appropriate communicative strategies
C110.2	Write cohesively and coherently and flawlessly avoiding grammatical errors, using a wide vocabulary range, organizing their ideas logically on a topic.
C110.3	Read different genres of texts adopting various reading strategies.
C110.4	listen/view and comprehend different spoken discourses/excerpts in different accents
C110.5	Recognize, understand, and analyze the context within which language, information, and knowledge are produced, managed, organized, and disseminated.

MA6251-Mathematics-II - [C111]

C111.1	Find solenoidal, irrotational vectors and explain the concepts of Green's, Gauss divergence , Stokes theorem to evaluate, single double and triple integrals
C111.2	Obtain the P.I. of Cauchy and Legendre Equation , explain the method of variation of parameters and solve simultaneous linear equations
C111.3	evaluate Laplace Transforms of periodic functions and solve the ODE using Inverse Laplace Transform
C111.4	Recall the properties of analytic functions for verifying C-R equations and determine Bilinear Transformation
C111.5	Expand functions of two variables as Taylor's and Laurent's series and evaluate Contour integrals using Cauchy's Integral formula

PH6251 – Engineering Physics–II – [C112]

C112.1	Illustrate classical and quantum free electron theory and calculate carrier concentration in metals.
C112.2	Describe the carrier concentration in semi conductors and identify the p-type and n-type semi conductor using hall effect.
C112.3	Classify the different types of magnetic and super conducting materials.
C112.4	Explain the dielectrics, types of polarization, losses and breakdown.
C112.5	Discuss the properties, preparation and applications of metallic alloys, SMA, nano materials, NLO, Bio-materials.

CY6251 – Engineering Chemistry –II – [C113]

C113.1	Explain the problems of using hard water in boilers and the methods of treatment of water for boiler use.
C113.2	Design the electrochemical cells and to identify the types of corrosion and the methods of preventing.
C113.3	Illustrate the methods of harnessing energy from non-conventional energy sources.
C113.4	Classify various engineering materials and their importance.
C113.5	Relate the significance of solid, liquid and gaseous fuels and to calculate the calorific values of fuels and the requirement of air for combustion in furnaces.

GE6251- Basic Civil and Mechanical Engineering - [C114]

C114.1	Explain the working principles of various power plants and differentiate the pumps and turbines.
C114.2	State the functions of IC engine and classify the various types of boilers.
C114.3	Apply the principles of vapour absorption and compression systems and Explain the Operation of air conditioner.
C114.4	Apply the principles of surveying and use various measurements for surveying and study about various engineering materials and leveling instruments.
C114.5	Classify the types of bridges, foundation, floorings, roofs, plasters and R.C.C structural members and state the purpose of dam.

EE 6201 – Circuit Theory – (C115)

C115.1	Apply Kirchhoff's current and voltage law to simple circuits and Solve complex circuits using Mesh & Nodal Methods.
C115.2	Apply Network theorems to solve simple and complex linear circuits.
C115.3	Solve the Series and Parallel resonance circuit, analyze the performance of single & double tuned circuits.
C115.4	Develop the Transient response of RLC circuits using LaplaceTransform, explain the characteristics of two port networks.
C115.5	Explain three phase balanced and unbalanced star, delta network.

GE6262 - Physics and Chemistry Laboratory – II-[C116]

C116.1	Appraise the Young's modulus of the beam by uniform and non uniform bending method, the moment of inertia and Rigidity Modulus for thin wire using Torsion Pendulum.
C116.2	Use Poiseuille's method for determining the coefficient of viscosity of the liquid.
C116.3	Evaluate the refractive index of spectral lines for determining the dispersive power of a prism.
C116.4	Determine the type, amount of alkalinity , hardness in a given water sample and evaluate the amount of copper using EDTA method
C116.5	Examine the potentiometric redox titration and Conductometric precipitation titration.

GE6263-Computer Programming Laboratory-[C117]

C117.1	Explain UNIX Operating system and usage of file system.
C117.2	Apply Shell Commands for a given task using filter and pipe commands.
C117.3	Develop and implement the Shell scripts in VI editor.
C117.4	Develop C Program on Unix environment.
C117.5	Apply File handling in C to copy, merge and display the given file.

EE 6211 – Electric Circuits Laboratory – (C118)

C118.1	Apply KCL, KVL and Network Theorems to Simple and Complex circuits.
C118.2	Demonstrate the working of CRO and Determine the Time Constant of RC circuit.
C118.3	Determine frequency response of RLC circuits and Use MATLAB to simulate series, parallel resonant circuit, low pass, high pass filter.
C118.4	Use MATLAB to simulate three phase balanced, unbalanced circuit and Measure power in three phase circuits by two wattmeter methods.
C118.5	Determine h-parameters of Two port networks and Calibrate single phase energy meter

MA6351- Transforms and Partial Differential Equations[C201]

C201.1	Solve First, Second order homogeneous and non homogeneous partial differential equations
C201.2	Find the Fourier series of a given function satisfying Dirichlet's condition.
C201.3	Apply Fourier series to solve one dimensional way, one and two dimensional heat equations.
C201.4	Determine Fourier transform for a given function and use them to evaluate certain definite Integrals
C201.5	Determine z transforms of standard functions and use them to solve difference equations

EE6301-Digital Logic Circuits-[C202]

C202.1	List the various types of number system and compare the digital logic families.
C202.2	Apply K –Map for simplification and implementation of combinational logic circuit.
C202.3	Explain the synchronous Sequential logic circuits and draw the block diagram of Shift Registers.
C202.4	Design asynchronous sequential circuits and describe the operation of Programmable Logic Devices.
C202.5	Develop the VHDL coding for combinational and Sequential logic circuits.

EE6302-Electromagnetic Theory – (C203)

C203.1	Explain the different coordinate systems, and apply Gauss's law
C203.2	Interpret the concepts of Electrostatic fields and apply boundary conditions on Electrostatic field
C203.3	Develop concepts of Magnetostatic fields and apply boundary conditions.
C203.4	Analyze the Maxwell's equations for electromagnetic fields
C203.5	Derive Electromagnetic wave equation and apply the Poynting expression.

GE6351 – Environmental Science and Engineering (C204)

C204.1	Define Environment, ecosystem and biodiversity, classify types of ecosystems and outline the impacts to biodiversity.
C204.2	Define pollution, classify its types, analyze the causes and suggest control measures for pollution.
C204.3	Outline various natural resources; explain causes and impacts of destruction of resources.
C204.4	List various social issues related to land, water and energy; summarize the concerning government acts and rules to overcome these problems.
C204.5	Interpret population explosion and variation among nations, show the impacts of over population and illustrate the methods to mitigate the same.

EC6202 - Electronic Devices and Circuits – [C205]

C205.1	Draw the characteristics of various types of Diodes, design half and full wave Rectifiers.
C205.2	Compare the different configurations of BJT, draw its characteristics.
C205.3	Calculate the FET parameters, draw its frequency response characteristics.
C205.4	Design Amplifier circuits and draw frequency response characteristics.
C205.5	Develop the parameters of feedback amplifier circuit, describe different types of oscillator circuits.

EE 6303 – Linear Integrated Circuits & Applications– (C206)

C206.1	Explain the procedure for the fabrication of IC
C206.2	Summarize the DC & AC characteristics of Operational amplifier.
C206.3	Discuss the applications of Operational amplifier
C206.4	Describe the internal functional blocks of special ICs like Timer and PLL.
C206.5	Classify types of voltage regulators and describe the special ICs.

EC6361 - Electronics Laboratory – [C207]

C207.1	Find the breakdown voltage of Diode, draw the V-I characteristics of BJT.
C207.2	Draw the equivalent circuit of JFET and develop the saw tooth waveform generation using UJT
C207.3	Design the Common Emitter amplifier and draw the V-I characteristics of photo diode & photo transistor
C207.4	Compare the theoretical and practical frequency value of oscillators and measure the ripple factor of rectifier
C207.5	Show the frequency response of filters, design the multivibrators

EE 6311 – Linear and Digital Integrated Circuits Laboratory– (C208)

C208.1	Apply Boolean functions to implement adder, subtractor circuits and convert Excess 3 to BCD, Binary to Gray code and vice versa
C208.2	Test Parity generator and checker and Design encoder decoder circuits
C208.3	Demonstrate 4 bit synchronous, asynchronous counter and Shift registers.
C208.4	Illustrate multiplexer demultiplexer circuit and apply 555 timer in Monostable and Astable operation.
C208.5	Apply OP-AMP to construct Adder, comparator, differentiator, Integrator and describe VCO, PLL characteristics.

MA6459-Numerical Methods-[C209]

C209.1	Determine the solution of algebraic and transcentendal system of linear equations
C209.2	To interpolate the values of unknown functions using Newton's Formula
C209.3	Estimate the numerical values of the derivatives and integrals of unknown function
C209.4	Solve first and second order initial value problem
C209.5	Solve Numerically boundary value problem

EE6401-Electrical Machines-I- [C210]

C210.1	Describe the coupled coil calculate the self and mutually induced emf
C210.2	Analyze the operation of transformer in different loading condition
C210.3	Explain the concept of field energy and co-energy in single and multiple excited systems
C210.4	Demonstrate the construction of D.C machines and operation of DC Generator
C210.5	Derive the performance equation of D.C motor under various load condition and analyze the braking system

CS6456-Object Oriented Programming-[C211]

C211.1	Explain the key attributes of C++ like native types and statements and implement ADT.
C211.2	Develop object oriented programs using polymorphism and data abstraction concepts.
C211.3	Design templates, construct generics and to handle exceptions.
C211.4	Develop the concept of java in creating classes, objects using arrays and control statements.
C211.5	Create packages, handle exceptions and develop multi-threaded programs.

EE 6402 – Transmission and Distribution – (C212)

C212.1	Identify the basic elements of the electric power system, generation, transmission, distribution and describe the role played by each element.
C212.2	Compute the losses, efficiency and parameters of the Transmission line.
C212.3	Analyze the Performance of Transmission Lines.
C212.4	Solve the voltage distribution in insulator strings, cables and methods to improve the same.
C212.5	Design overhead lines both Mechanical and electrical aspects using Sag calculation.

EE6403-Discrete Time Systems and Signal Processing-[C213]

C213.1	Classify the different types of signals and systems and Explain the sampling process of continuous time signal.
C213.2	Apply z-transform and inverse Z transform and analyze discrete time systems.
C213.3	Apply Radix-2 Decimation in Time (DIT) and Decimation in Frequency (DIF)FFT Algorithm to Compute Discrete Fourier Transform.
C213.4	Explain different types of Infinite Impulse Response (IIR) filters and Finite Impulse Response (FIR) filters.
C213.5	Explain various architectures of Digital signal processors.

EE6404– Measurements and Instrumentation-(C214)

C214.1	Describe the basic functional block elements in Different measuring Instruments and the errors in the measurement system.
C214.2	Select the suitable instrument for measuring different electrical and magnetic parameters.
C214.3	Design a suitable Bridge circuit to determine the values of various resistor, inductor and capacitor.
C214.4	Explain the construction and working principle of various types of storage and display devices and compare them.
C214.5	Compare the various types of transducers and explain the function of different blocks involved in data acquisition systems.

CS 6461- Object Oriented programming Laboratory-[C215]

C215.1	Design C++ programs using functions, classes with objects, member functions and constructors.
C215.2	Develop operator and function overloading and run time polymorphism using C++.
C215.3	Develop file handling techniques in C++ for sequential and random access also use Java code for strings.
C215.4	Construct packages and interfaces in Java.
C215.5	Create threads in Java and handle predefined and user defined exceptions.

EE6411-Electrical Machines Laboratory-I- [C216]

C216.1	Analyze the characteristics of DC shunt generator DC compound generator and calculate critical resistance and critical speed
C216.2	Examine load characteristics of DC shunt, series and compound motor and identify its maximum efficiency operating point
C216.3	Predict the efficiency of DC shunt machine in different methods
C216.4	Explain the load characteristics of single phase and three phase transformer , separate the different losses and to find the efficiency
C216.5	Predetermine the equivalent circuit parameters of single phase transformer in two different methods and compare the results

EE 6501 – Power System Analysis-[C301]

C301.1	Explain the operation of various power system components, Draw the per unit diagram and form the Y-bus matrix for the power system.
C301.2	Develop the power flow equation for power system problems and Determine the line flows using G-S, N-R and F-D method
C301.3	Illustrate the types of faults and their effects, Calculate the fault currents for symmetrical fault condition.
C301.4	Draw the sequence network for L-G, L-L and L-L-G fault of the power system and Determine the fault current incase of L-G, L-L and D-L-G fault
C301.5	Explain the concept of power system stability, Analyze the stability of single machine infinite bus system.

EE 6502 – Microprocessors and Microcontrollers – (C302)

C302.1	Describe the basic Architecture of 8085 Microprocessor and working of all blocks of the processor, IO and memory interfacings with necessary timing diagrams.
C302.2	Classify the instructions with the help of Addressing modes of 8085 with necessary programs.
C302.3	Explain the basic Architecture of 8051 Microcontroller with working of various blocks of the controller like Interrupts, Timer, IO ports etc. with necessary timing diagram and compare the programming concepts with 8085.
C302.4	Analyze the architecture of various Interfacing Devices like 8255 PPI, 8259 PIC, 8251 USART, 8279, 8253, ADC and DAC and Programming of all the Interfacing IC's.
C302.5	Apply the knowledge of programming concepts of 8051 Microcontroller for various applications like keyboard display interface, servo motor etc

ME 6701 – Power Plant Engineering – (C303)

C303.1	Draw the layout of modern coal power plant and list the various components used in thermal power plant.
C303.2	Identify the components of diesel and gas turbine power plants and construct the integrated gasifier based combined cycle systems.
C303.3	Describe the layout of subsystems of various nuclear power plants and express safety measures for nuclear power plants.
C303.4	Distinguish different hydroelectric power plants and construct various renewable energy power plants such as wind, tidal, PV, solar, thermal, geo thermal, biogas and fuel cell.
C303.5	Calculate the per unit cost of electrical energy based on Power tariff, load factor, demand factor, diversity factor and plant safety factor.

EE6503 - Power Electronics - [C304]

C304.1	Explain the significance of switching devices and its application to power converters and demonstrate the triggering circuit and snubber circuits.
C304.2	Compare the operation of two, three Pulse Converters and draw output waveforms with and without source and load inductance.
C304.3	Classify the operation of Choppers and outline the application of SMPS.
C304.4	Analyze the operation of single phase and three phase Inverters with and without PWM techniques.
C304.5	Illustrate the operation of AC voltage controller and cycloconverter and its application.

EE6504-Electrical Machines-II-[C305]

C305.1	Draw the constructional details and explain the performance of salient and non – salient type synchronous generators.
C305.2	Draw and explain the Principle of operation and performance of synchronous motor.
C305.3	Draw and describe the construction, principle of operation and performance of induction machines.
C305.4	Describe the starting and speed control of three-phase induction motors.
C305.5	Explain the construction, principle of operation and performance of single phase induction motors and special machines.

IC6501- Control systems – (C306)

C306.1	Discuss the use of transfer function models for analysis of physical systems and the control system components.
C306.2	Analyze the time response of systems and steady state error.
C306.3	Use the basic knowledge in obtaining the open loop and closed–loop frequency responses of systems.
C306.4	Explain the stability analysis and types of compensators.
C306.5	Describe the state variable representation of physical systems and the effect of state feedback.

EE6511- Control and Instrumentation Laboratory – (C307)

C307.1	Determine the characteristics of P, PI and PID controllers experimentally and analyze the stability of the control system by (i) Bode plot (ii) Root Locus Plot and (iii) Nyquist plot using MATLAB.
C307.2	Compute the transfer function of a Field controlled DC motor experimentally and Design the Lag, Lead and Lag-Lead Compensators for the given specifications and hook up it using RC networks.
C307.3	Draw the transient response of Position Control system experimentally, Determine the Characteristics of Synchro-Transmitter- Receiver and Use the MATLAB for the Simulation of Control Systems.
C307.4	Calculate the unknown Capacitance, Inductance and Resistance using AC and DC Bridges experimentally and Analyze the Dynamics of Sensors/Transducers (a) Temperature (b) Pressure (c) Displacement (d) Optical (e) Strain and (f) Flow.
C307.5	Measure the Power and Energy experimentally; Analyze the Signal Conditioning units (a) Instrumentation Amplifier (b) ADC and DACs and Use the MATLAB for Process Simulation.

GE6563- Communication Skills – Laboratory based – (C308)

C308.1	Apply appropriate communication skills across settings, purposes and audiences.
C308.2	Demonstrate knowledge of communication theory and applications.
C308.3	Practice critical thinking to develop innovative and well-founded perspectives related to the students emphasis. Build and maintain healthy and effective relationships.
C308.4	Use technology to communicate effectively in various settings and contexts.
C308.5	Demonstrate appropriate and professional ethical behavior.

EE6512-Electrical Machines Laboratory-II - [C309]

C309.1	Determine the voltage regulation of three phase alternator in different methods and compare the results
C309.2	Determine the voltage regulation of salient pole synchronous machine and find negative &zero sequence components
C309.3	Explain the V and inverted V characteristics of three phase synchronous machine at different load condition
C309.4	Determine and pre determine performance characteristics of three phase induction motor
C309.5	Determine and pre determine performance characteristics of single phase induction motor

EC6651-Communication Engineering - (C310)

C310.1	Explain the operation of Amplitude Modulation , draw the frequency spectrum and vector representation of AM
C310.2	Compare the different methods of QPSK, BFSK and GMSK
C310.3	Analyze how information is transmitted to receiver using the Huffman coding
C310.4	Discuss about the various types of multiple access techniques
C310.5	Distinguish between INTELSAT and INSAT

EE6601– Solid State Drives – (C311)

C311.1	Classify the various types of drives and load torque characteristics and Apply the multi quadrant dynamics in hoist load system.
C311.2	Analyze the operation of steady state analysis of single phase and three phase fully controlled converter and Chopper fed separately excited dc motor drives and discuss the various control strategies of converter.
C311.3	Explain the operation and characteristics of various methods of solid state speed control of induction motor.
C311.4	Describe the operation of various modes of V/f control of synchronous motor drives and different types of permanent magnet synchronous motor drives.
C311.5	Design a current and speed controller and develop the transfer function for DC motor, load and converter, closed loop control with current and speed feedback.

EE 6602 – Embedded Systems – (C312)

C312.1	Analyze the basic build process of embedded systems, structural units in embedded processor and selection of processor and memory devices depending upon the applications.
C312.2	Classify the types of I/O device ports and buses and different interfaces for data transfer.
C312.3	Model the Embedded Product Development Life Cycle (EDLC) by using different techniques like state machine model, sequential program model and concurrent model
C312.4	Analyze the basic concept of Real Time Operating Systems and plan to scheduling of different task and compare the features of different types of Real Time Operating Systems
C312.5	Apply the knowledge of programming concepts of Embedded Systems for various applications like Washing Machine automotive and Smart Card System applications

EE 6603 – Power System Operation and Control - (C313)

C313.1	Analyze the various load characteristics with load curve and load duration curve.
C313.2	Describe modeling of power-frequency dynamics and design power-frequency controller
C313.3	Explain the modeling of reactive power-voltage interaction and the control actions
C313.4	Solve economic dispatch problems and unit commitment problems in power systems
C313.5	Explain the need of computer controls to energy management using SCADA

EE 6604 - Design of Electrical Machines [C314]

C314.1	Compare Electrical Engineering materials; determine heat dissipation due to Conduction, convection and radiation**.**
C314.2	Calculate mmf for slots and teeths, apparent flux density, main dimensions and winding details of DC machines.
C314.3	Design core, yoke, winding and cooling system of transformers.
C314.4	Develop output equation of AC machines, design stator and rotor of induction machines.
C314.5	Design stator and rotor of synchronous machines analyze their thermal behavior, design field systems for turbo alternators.

EE6002-Power System Transients - (C315E3)

C315E3.1	Explain the concept of transients and Compute the solution of transient current equation for RL and RLC system.
C315E3.2	Illustrate the importance of switching transients, Explain the concept of resistance switching, load switching and capacitance switching.
C315E3.3	Explain the concept of lightning mechanism, Describe the interaction between lightning and power system
C315E3.4	Apply the concept of reflection and refraction, Draw the Bewley Lattice diagram for different systems.
C315E3.5	Analyze the concept of short line (or) Kilometric fault and justify the EMTP for transient computation.

EE6611-Power Electronics and Drives Laboratory – (C316)

C316.1	Draw the VI characteristics of SCR and generate the Gate Pulse using R, RC and UJT.
C316.2	Plot the characteristics of MOSFET and IGBT
C316.3	Simulate a single phase AC to DC half and fully controlled converter.
C316.4	Draw the output response of step up and step down MOSFET based chopper and simulate a single phase IGBT based PWM inverter.
C316.5	Plot the output response of AC voltage controller and simulate the Power Electronic Circuits.

EE 6612 – Microprocessors and Microcontrollers Laboratory – (C317)

C317.1	Predict the smallest/ largest number from a given array and to Perform various mathematical operations using 8085 processor
C317.2	Convert the given analog input to digital value and to control the traffic signals using 8085 programming
C317.3	Develop coding to display the given word using keyboard and display controller and for serial communication
C317.4	Manipulate the basic operations involving jumps and loops using 8051 Microcontroller and to interface stepper motor and other devices
C317.5	Design circuits for implementing real time applications

EE 6613 – Presentation Skills and Technical Seminar – (C318)

C318.1	Present seminar in the field of electrical and electronics engineering subjects studied.
C318.2	Solve objective type questions in the field of electrical and electronics engineering.
C318.3	Communicate effectively, the subjects learned in the form of seminar presentation.
C318.4	Communicate effectively, the modern trends in the field of electrical and electronics engineering.
C318.5	Answer effectively during technical interviews.

EE6701- High Voltage Engineering- (C401)

C401.1	Identify the causes of over voltage and its effects in power system.
C401.2	Classify the breakdown Mechanisms in Solid, Liquid, gases and Composite dielectrics
C401.3	Design different type of Generating circuit for high voltage D.C and high voltage A.C
C401.4	Measure A.C and D.C high voltage and current using appropriate method
C401.5	Test the transformer ,insulator , circuit breakers, surge diverters and cables also discuss the insulation coordination

EE6702- Protection and Switchgear - [C402]

C402.1	Summarize the causes and effects of faults in power system and explain the necessity of protection in power system.
C402.2	Describe the operation of electromagnetic relays and draw their characteristic curves.
C402.3	List out the various faults that can occur on alternator, transformer, busbar and transmission line and select the suitable protection schemes.
C402.4	Synthesize the static relays using comparators and explain numerical relays.
C402.5	Derive the expression for RRRV, critical resistance value and compare the various types of circuit breakers.

EE6703-Special Electrical Machines - [C403]

C403.1	Explain the necessity to improve the saliency of synchronous reluctance motor and its characteristics
C403.2	Compare the various methods of excitation of different types of stepper motor and its driver circuits
C403.3	Describe the operation of switched reluctance motor with and without sensors
C403.4	Explain the electronic commutation of permanent magnet brushless D.C. motors and develop the torque equation.
C403.5	Develop the expression for emf and torque of permanent magnet synchronous motors and discuss power controller for permanent magnet synchronous motors.

MG6851-Principles of Management - [C404]

C404.1	Describe the basic of management and its types, skills, management roles, types of business organizations and current trends in business.
C404.2	Explain the nature and purpose of planning , types, objective of planning and decision process
C404.3	Compare the different organization structures, Authorities and responsibilities, Human resource management and training and development.
C404.4	Estimate the individual and group behavior, motivation, job satisfaction, types and theories of leadership, communication and IT.
C404.5	Apply the knowledge using the various System and process of controlling, budgetary and non-budgetary control techniques, use of computers and IT in Management control, reporting.

EI 6704 – Biomedical Instrumentation – (C405E2)

C405E2.1	Identify the functions of human nervous system and describe the basic components of biomedical system.
C405E2.2	Illustrate the measurement of non-electrical parameters in human body system.
C405E2.3	Apply different electrodes and amplifiers in physiological measurements (EEG, ECG, EMG etc.)
C405E2.4	Explain the basic principles of imaging techniques and patient monitoring system.
C405E2.5	Describe the functions of life assisting and therapeutic equipments

EE6008 – Micro Controller Based System Design – [C406E4]

C406E4.1	Describe the basic architecture of PIC16cxx and apply the instruction set for simple operations.
C406E4.2	Explain about the PIC micro controllers interrupts and write the interrupt programs
C406E4.3	Apply the program to interface I/O devices with controller like LCD, Keyboard, and Sensors etc.,
C406E4.4	Develop simple applications using ARM assembly language programs
C406E4.5	Analyze ARM Organization and ARM Coprocessor interface

EE 6711 – Power System Simulation Laboratory – [C407]

C407.1	Determine the bus impedance and admittance matrices using C and MATLAB
C407.2	Apply numerical methods for solving load flow problems and verify using C and MATLAB
C407.3	Analyze various faults occurring in power system and simulate the faults using PSCAD.
C407.4	Analyze small signal stability of Single Machine Infinite Bus (SMIB) system and draw the swing curve using AUPOWER Lab and MATLAB.
C407.5	Generate the coding for economic dispatch problems and load frequency dynamics problems using MATLAB.

EE6712 -Comprehension- [C408]

C408.1	Describe the basic concepts of electrical and electronics subjects.
C408.2	Solve objective type questions in the field of electrical and electronics engineering
C408.3	Review, prepare and present technological developments
C408.4	Analyze the modern trends in the field of electrical and electronics engineering.
C408.5	Answer effectively during technical interviews.

EE6801-Electric Energy Generation, Utilization and Conservation – [C409]

C409.1	Evaluate tractive effort for the propulsion of train, name the traction motors, list the traction motor control, track equipment and collection gear.
C409.2	Categorize different light sources and design various illumination systems for the indoor lighting schemes, factory lighting, halls, outdoor lighting schemes, flood lighting, street lighting.
C409.3	Compare the different methods of electric heating and types of electric welding.
C409.4	Estimate average solar radiation and illustrate the physical principles of the conversion of solar radiation into heat.
C409.5	Analyze aerodynamic forces acting on the blade and draw basic components of a WECS.

EE 6009 – Power Electronics for Renewable Energy Systems – (C410E1)

C410E1.1	Discuss and analyze the various types of renewable energy sources
C410E1.2	Analyze the performance of IG, PMSG, SCIG and DFIG
C410E1.3	Design different power converters namely AC to DC, DC to DC and AC to AC converters for renewable energy systems.
C410E1.4	Analyze various operating modes of wind electrical generators and solar energy systems.
C410E1.5	Develop maximum power point tracking algorithms.

GE6757-Total Quality Management - [C411E2]

C411E2.1	Describe the basic of Basic concepts of TQM and its need , Contributions of Deming, Juran and Crosby , Customer focus, Costs of quality.
C411E2.2	Explain the Leadership ,Quality Councils , Employee involvement, Teamwork, Quality circles , Performance appraisal , PDCA cycle, 5S, Kaizen, Supplier partnership.
C411E2.3	Compare the different tools of quality, New management tools , Six sigma, Bench marking.
C411E2.4	Estimate the TQM using Control Charts, Taguchi quality loss function , TPM - Concepts, improvement needs and Performance measures.
C411E2.5	Apply the knowledge using the various System using ISO 9000 - ISO 9001-2008 , Elements, Documentation, Quality Auditing - QS 9000 - ISO 14000 – Concepts etc.

EE6811 – Project work [C412]

C412.1	Apply the fundamentals of mathematics, science and engineering knowledge to identify , formulate , design and investigate complex engineering problems of electrical and electronics engineering and allied applications .
C412.2	Apply appropriate techniques and modern engineering hardware and software tools in electrical and electronics engineering and allied applications.
C412.3	Apply reasoning informed by the contextual knowledge to assess societal , health, safety, legal and cultural issues with societal and environmental context , applying ethical principles in the field of electrical and electronics engineering and allied applications.
C412.4	Function effectively as an individual and as a member or leader in diverse teams in multidisciplinary settings and make effective presentation, and communicate effectively.
C412.5	Demonstrate the understanding of the engineering and management principles in multidisciplinary environments to engage in lifelong learning in the broadest context of technological change.

EE6602 - VLSI Design (C411)

CO	Course Outcomes	POs
C312.1	Analyze the basic build process of embedded systems, structural units in embedded processor and selection of processor and memory devices depending upon the applications.	1,2,4,5
C312.2	Classify the types of I/O device ports and buses and different interfaces for data transfer.	1,2,3,5
C312.3	Modeling of the Embedded Product Development Life Cycle (EDLC) by using different techniques like state machine model, sequential program model and concurrent model	1,2,3,4,5,6
C312.4	Analyze about the basic concept of Real Time Operating Systems and plan to scheduling of different task and compare the features of different types of Real Time Operating Systems	1,2,3,5,6
C312.5	Apply the knowledge of programming concepts of Embedded Systems for various applications like Washing Machine automotive and Smart Card System applications	1,2,3,5,6,7

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Mapping of Course with POs and PSOs

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	-	1	-	-	-	-	1	-	2	2	-	1	1	1	1
C102	2	2	-	-	2	-	-	-	-	-	-	1	2	1	-
C103	2	2	-	-	-	-	-	-	-	-	-	1	1	-	-
C104	2	2	-	-	-	-	-	-	-	-	-	1	1	-	-
C105	2	3	-	-	1	-	-	-	-	-	-	1	1	1	-
C106	1	2	-	-	-	1	-	-	-	1	-	-	1	-	1
C107	1	3	-	-	-	-	-	-	1	-	-	1	1	1	-
C108	1	1	1	-	1	-	-	-	1	-	-	1	1	1	-
C109	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
C110	-	1	-	-	-	-	1	-	2	2	-	1	1	1	1
C111	2	-	-	2	-	-	-	-	2	-	-	1	1	1	-
C112	2	2	-	-	-	-	-	-	-	-	-	1	1	-	-
C113	2	2	-	-	-	-	-	-	-	-	-	1	1	-	-
C114	2	1	1	-	-	1	2	-	-	-	-	-	1	-	1
C115	3	2	1	1	1	-	-	-	-	-	-	-	2	-	-
C116	3	-	-	-	-	-	-	-	-	-	-	-	1	-	-
C117	1	-	2	-	2	-	-	-	1	-	-	-	1	1	-
C118	3	1	2	-	1	1	-	-	2	-	-	-	2	1	-
C201	2	2	-	1	-	-	-	-	-	-	-	-	1	-	-
C202	2	2	2	1	-	-	-	-	-	-	-	-	2	-	-
C203	3	3	1	1	-	-	-	-	-	-	-	-	2	-	-
C204	-	-	-	-	-	3	1	1	1	-	-	3	-	1	1
C205	2	2	2	2	-	1	-	-	-	-	-	-	2	-	-
C206	2	1	1	-	-	1	-	-	-	-	-	1	1	-	-
C207	2	1	2	3	1	-	-	-	2	-	-	-	2	1	-
C208	2	-	1	-	-	1	-	-	2	-	-	-	1	1	-
C209	3	3	-	2	3	2	-	-	-	-	-	-	2	1	1
C210	3	2	-	1	1	-	-	-	-	-	-	-	1	-	-
C211	2	1	2	2	2	-	-	-	-	-	-	-	2	1	-
C212	3	3	-	1	-	2	2	-	-	-	-	-	2	-	1
C213	3	2	2	-	1	-	-	-	-	-	-	1	2	1	-
C214	2	1	1	-	-	-	-	-	-	-	-	-	1	-	-
C215	2	2	2	2	1	-	-	-	1	-	-	-	2	1	-
C216	2	-	-	3	1	-	-	-	1	-	-	-	1	1	-
C301	2	3	-	2	1	1	1	-	-	-	-	-	2	-	-
C302	2	2	2	-	1	-	-	-	-	-	-	-	2	-	-
C303	3	-	2	-	-	2	2	-	-	-	-	-	1	-	1
C304	3	2	1	-	2	-	-	-	-	-	-	-	2	1	-
C305	2	3	1	3	-	-	-	-	-	-	-	-	2	-	-
C306	3	2	3	1	-	-	-	-	2	-	-	-	2	1	-
C307	3	1	2	3	2	-	-	-	2	-	-	-	2	1	-
C308	-	-	1	1	1	1	3	1	1	2	1	1	-	-	1
C309	2	2	1	3	-	-	-	-	1	-	-	-	2	-	-
C310	3	2	1	1	2	1	1	-	-	-	1	-	2	1	1
C311	3	1	-	1	-	-	-	-	-	-	-	-	2	-	-
C312	2	1	1	1	1	-	-	-	-	-	-	-	1	-	-
C313	3	2	1	2	1	-	-	-	-	-	-	-	2	-	-
C314	3	3	3	-	2	-	-	-	-	-	-	-	2	1	-
C315E3	3	2	-	-	1	-	1	-	-	-	-	-	1	-	-
C316	2	1	1	1	1	-	-	-	2	-	-	-	1	1	-
C317	2	2	2	3	1	-	-	-	1	-	-	-	2	1	-
C318	1	2	2	3	-	-	-	-	3	1	-	-	2	1	-

C401	1	1	-	2	-	2	-	-	-	-	-	-	1	-	1
C402	3	2	1	-	-	1	1	-	-	-	-	-	2	-	1
C403	3	2	-	-	1	-	-	-	-	-	-	-	1	-	-
C404	-	-	-	3	-	2	2	-	1	-	3	3	1	1	1
C405E2	3	-	-	-	1	-	1	-	-	-	-	-	1	-	-
C406E2	2	1	1	1		1	-	-	-	-	-	-	2	1	2
C407	3	2	1	3	1	-	-	-	-	-	-	-	2	-	-
C408	1	-	2	3	-	1	3	2	1	-	1	2	2	1	1
C409	3	2	2	-	-	1	1	-	-	-	1	-	2	-	1
C410E1	3	3	-	-	-	2	2	2	-	-	-	-	2	2	1
C411	2	1	1	1	1	-	-	-	-	-	-	-	1	-	-
C412	2	2	1	2	2	2	2	1	1	1	2	2	2	2	2

Table:1 Course attainment (2013-2017 Batch)

COURSE	Attainment Level	COURSE	Attainment Level	COURSE	Attainment Level	COURSE	Attainment Level
C101	1.59	C201	1.07	C301	1.69	C401	2.16
C102	2.91	C202	0.89	C302	0.94	C402	1.8
C103	1.56	C203	0.92	C303	2.43	C403	1.93
C104	1.78	C204	1.5	C304	1.5	C404	3
C105	1.82	C205	1.23	C305	0.95	C405E2	1.86
C106	2.5	C206	1.28	C306	1.21	C406E2	1.03
C107	3	C207	3	C307	2.03	C407	3
C108	2.9616	C208	3	C308	3	C408	2.9808
C110	3	C209	1.77	C309	2.96	C409	2.38
C111	2.04	C210	1.33	C310	1.69	C410E1	2.72
C112	2.78	C211	1.16	C311	2.83	C411	1.27
C113	1.44	C212	1.38	C312	2.85	C412	3
C114	3	C213	1.25	C313	1.44		
C115	1.78	C214	1.73	C314	2.12		
C116	2.52	C215	1.2784	C315E3	1.52		
C117	3	C216	2.8848	C316	2.99		
C118	3			C317	3		
C109	2.04			C318	3		

Table:2 Course attainment Comparison

Year	CO Code	Batches				
		2013-2017	2012-2016	2011-2015	2010-2014	2009-2013
1	C101	1.59	0.96	1.64	1.48	1.12
1	C102	2.91	1.56	1.07	1.13	0.56
1	C103	1.56	0.63	1.06	2.2	0.72
1	C104	1.78	0.36	1.19	1.54	1.44
1	C105	1.82	1.38	0.9	2.08	0.32
1	C106	2.5	1.38	1.9	2.6	2.44
1	C107	3	1.8	1.8	3	3
1	C108	2.96	2.4	2.2	3	2.2
1	C109	2.04			2.81	0
1	C110	3	0.53	1.64		0.96
1	C111	2.04	1.82	0.74	0.51	0.48
1	C112	2.78	0.42	1.08	1.88	1.08
1	C113	1.44	0.28	0.77	1.65	0.4
1	C114	3	0.85	0.72	2.14	2.08
1	C115	1.78	0.1	0.38	2.02	1
1	C116	2.52	0.8	1.2	2	1
1	C117	3	1	1.4	3	1.2
1	C118	3	3	2.4	1.2	2.4
2	C201	1.07	2.07	0.54	0.69	0.8
2	C202	0.89	0.9392	0.19	0.72	0.66
2	C203	0.92	1.06	0.79	2.09	1.03
2	C204	1.5	1.05	0.59	1.81	0.61
2	C205	1.23	1.47	0.13	1.7	0.3
2	C206	1.28	1.3936	0.19	0.62	1.02
2	C207	3	3	3	2.6	0.6
2	C208	3	3	2.4	2.6	1.6
2	C209	1.77	1.4	2.28	0.46	1.32
2	C210	1.33	1.784	0.43	1.92	1.45
2	C211	1.16	0.95	2.58	0.69	1.4
2	C212	1.38	1.38	1.41	1.74	1.32
2	C213	1.25	0.93	1.26	0.16	2.08
2	C214	1.73	1.75	0.76	1.49	1.45
2	C215	1.28	2.52	2.4	1.4	2.2
2	C216	2.89	2.2	2.6	3	3
3	C301	1.69	1.32	1.42	0.43	1.26
3	C302	0.94	0.96	1.42	0.53	0.37
3	C303	2.43	2.24	1.03	2.81	2.47
3	C304	1.5	1.13	1.41	1.62	1.54
3	C305	0.95	0.6	1.52	1.3	1.18

3	C306	1.21	1.8672	1	0.38	1.03
3	C307	2.03	3	2.2	2	3
3	C308	3	1.56	0.8	1.2	0
3	C309	2.96	3	3	1.8	2.6
3	C310	1.69	1.35	1.01	0.16	0.96
3	C311	2.83	2.21	2.1	0.97	2.49
3	C312	2.85			2.36	
3	C313	1.44	2.05	2.14	2.42	2.06
3	C314	2.12	1.88	1.75	0.22	0.89
3	C315E3	1.52	2.96	2.38	0.59	1.29
3	C316	2.99	3	3	3	3
3	C317	3	2.94	3	1.8	1.8
3	C318	3	3	3	3	
4	C401	2.16	1.04	1.63	1.63	2.2
4	C402	1.8	1.73	2.06	2.04	2.15
4	C403	1.93	2.39	1.53	1.98	2.6
4	C404	3	2.04	2.67	2.04	
4	C405E2	1.86	1.2	2.67		
4	C406E2	1.03				
4	C407	3	2.52	2.52	3	3
4	C408	2.98	3	3	3	
4	C409	2.38	1.34	2.42	2.53	1.03
4	C410E1	2.72			1.84	
4	C411	1.27				3
4	C412	3	3	3	3	2.2

Table: 3 Course attainment (2013-2017 Batch)

COURSE	Attainment Level	
Technical English - I	C101	1.59
Mathematics - I	C102	2.91
Engineering Physics - I	C103	1.56
Engineering Chemistry - I	C104	1.78
Computer Programming	C105	1.82
Engineering Graphics	C106	2.5
Computer Practices Laboratory	C107	3
Engineering Practices Laboratory	C108	2.9616
Physics and Chemistry Laboratory - I	C109	2.04
Technical English - II	C110	3
Mathematics - II	C111	2.04
Engineering Physics - II	C112	2.78
Engineering Chemistry - II	C113	1.44
Basic Civil and Mechanical Engineering	C114	3
Circuit Theory	C115	1.78
Physics and Chemistry Laboratory - II	C116	2.52
Computer Programming Laboratory	C117	3
Electric Circuits Laboratory	C118	3
Transforms and Partial Differential Equations	C201	1.07
Digital Logic Circuits	C202	0.89
Electromagnetic Theory	C203	0.92
Environmental Science and Engineering	C204	1.5
Electronic Devices and Circuits	C205	1.23
Linear Integrated Circuits and Applications	C206	1.28
Electronics Laboratory	C207	3
Linear and Digital Integrated Circuits Laboratory	C208	3
Numerical Methods	C209	1.77
Electrical Machines - I	C210	1.33
Object Oriented Programming	C211	1.16
Transmission and Distribution	C212	1.38
Discrete Time Systems and Signal Processing	C213	1.25
Measurements and Instrumentation	C214	1.73
Object Oriented Programming Laboratory	C215	1.2784
Electrical Machines Laboratory - I	C216	2.8848
Power System Analysis	C301	1.69
Microprocessors and Microcontrollers	C302	0.94
Power Plant Engineering	C303	2.43
Power Electronics	C304	1.5
Electrical Machines - II	C305	0.95
Control Systems	C306	1.21
Control and Instrumentation Laboratory	C307	2.03
Communication Skills - Laboratory Based	C308	3

Electrical Machines Laboratory - II	C309	2.96
Communication Engineering	C310	1.69
Solid State Drives	C311	2.83
Embedded Systems	C312	2.81
Power System Operation and Control	C313	1.44
Design of Electrical Machines	C314	2.12
Power System Transients	C315E3	1.52
Power Electronics and Drives Laboratory	C316	2.99
Microprocessors and Microcontrollers Laboratory	C317	3
Presentation Skills and Technical Seminar	C318	3
High Voltage Engineering	C401	2.16
Protection and Switchgear	C402	1.8
Special Electrical Machines	C403	1.93
Principles of Management	C404	3
Power Qualiy	C405E4	1.86
MBSD	C406E2	1.03
Power System Simulation Laboratory	C407	2.808
Comprehension	C408	2.9808
"Electric Energy Generation, Utilization and Conservation"	C409	2.38
Power electronics for renewanle energy systems	C410E1	2.68
VLSI	C411	1.27
Project Work	C412	3

Table 4: PO Attainment 2013-2017 Batch

Course	At. Level	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	1.59		1.59					1.59		1.59	1.59		1.59
C102	2.91	2.91	2.91			2.91							2.91
C103	1.56	1.56	1.56										1.56
C104	1.78	1.78	1.78										1.78
C105	1.82	1.82	1.82			1.82							1.82
C106	2.5	2.5	2.5				2.5				2.5		
C107	3	3	3							3			3
C108	2.96	2.96	2.96	2.96		2.96				2.96			2.96
C109	2.04												
C110	3		3					3		3	3		3
C111	2.04	2.4			2.4					2.4			2.4
C112	2.78	2.78	2.78										2.78
C113	1.44	1.44	1.44										1.44
C114	3	3	3	3			3	3					
C115	1.78	1.78	1.78	1.78	1.78	1.78							
C116	2.52	2.52											
C117	3	3		3		3				3			
C118	3	3	3	3		3	3			3			
C201	1.07	1.7	1.7		1.7								
C202	0.89	.89	.89	.89	.89								
C203	0.92	.92	.92	.92	.92								
C204	1.5						1.5	1.5	1.5	1.5			1.5
C205	1.23	1.23	1.23	1.23	1.23		1.23						
C206	1.28	1.28	1.28	1.28			1.28						1.28
C207	3	3	3	3	3	3				3			
C208	3	3		3			3			3			
C209	1.77	1.77	1.77		1.77	1.77	1.77						
C210	1.33	1.33	1.33		1.33	1.33							
C211	1.16	1.16	1.16	1.16	1.16	1.16							
C212	1.38	1.38	1.38		1.38		1.38	1.38					
C213	1.25	1.25	1.25	1.25		1.25							1.25
C214	1.73	1.73	1.73	1.73									
C215	1.28	1.28	1.27	1.28	1.28	1.28				1.28			
C216	2.89	2.89			2.89	2.89				2.89			
C301	1.69	1.69	1.69		1.69	1.69	1.69	1.69					
C302	0.94	.94	.94	.94		.94							
C303	2.43	2.43		2.43			2.43	2.43					
C304	1.5	1.5	1.5	1.5		1.5							
C305	0.95	.95	.95	.95	.95								
C306	1.21	1.21	1.21	1.21	1.21					1.21			
C307	2.03	2.3	2.3	2.3	2.3	2.3				2.3			
C308	3			3	3	3	3	3	3	3	3	3	3
C309	2.96	2.96	2.96	2.96	2.96					2.96			
C310	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69				1.69	
C311	2.83	2.83	2.83		2.83								
C312	2.85	2.85	2.85	2.85	2.85	2.85							

C313	1.44	1.44	1.44	1.44	1.44	1.44							
C314	2.12	2.12	2.12	2.12		2.12							
C315E3	1.52	1.52	1.52			1.52		1.52					
C316	2.99	2.99	2.99	2.99	2.99	2.99				2.99			
C317	3	3	3	3	3	3				3			
C318	3	3	3	3	3					3	3		
C401	2.16	2.16	2.16		2.16		2.16						
C402	1.8	1.8	1.8	1.8			1.8	1.8					
C403	1.93	1.93	1.93			1.93							
C404	3				3		3	3		3		3	3
C405E2	1.86	1.86				1.86		1.86					
C406E2	1.03	1.3	1.3	1.3	1.3		1.3						
C407	3	3	3	3	3	3							
C408	2.98	2.98		2.98	2.98		2.98	2.98	2.98	2.98		2.98	2.98
C409	2.38	2.38	2.38	2.38			2.38	2.38				2.38	
C410E1	2.72	2.72	2.72				2.72	2.72	2.72				
C411	1.27	1.27	1.27	1.27	1.27	1.27							
C412	3	3	3	3	3	3	3	3	3	3	3	3	3

PO ATT.	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Obtained	119.55	103.42	77.0508	66.814	63.98	46.54	38.54	13.20	57.43	16.09	16.05	40.89
Actual	58	52	37	33	30	21	17	5	22	6	6	18
Direct Att.	2.06	1.99	2.08	2.02	2.13	2.22	2.27	2.64	2.61	2.68	2.68	2.27
Indirect Att.	3	3	3	3	3	3	3	3	3	3	3	3
Overall Att.	2.25	2.19	2.26	2.22	2.3	2.38	2.42	2.71	2.69	2.74	2.74	2.42
Target	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

***Overall Attainment = (0.8*Direct Attainment + 0.2*Indirect Attainment)**

Table 5: PSO Attainment 2013-2017 Batch

Course	CO	PSO1	PSO2	PSO3
C101	1.59	1.59	1.59	1.59
C102	2.91	2.91	2.91	
C103	1.56	1.56		
C104	1.78	1.78		
C105	1.82	1.82	1.82	
C106	2.5	2.5		2.5
C107	3	3	3	
C108	2.9616	2.9616	2.9616	
C109	2.04	2.4		
C110	3	3	3	3
C111	2.04	2.4	2.4	
C112	2.78	2.78		
C113	1.44	1.44		
C114	3	3		3
C115	1.78	1.78		
C116	2.52	2.52		
C117	3	3	3	
C118	3	3	3	
C201	1.07	1.7		
C202	0.89	.89		
C203	0.92	.92		
C204	1.5		1.5	1.5
C205	1.23	1.23		
C206	1.28	1.28		
C207	3	3	3	
C208	3	3	3	
C209	1.77	1.77	1.77	1.77
C210	1.33	1.33		
C211	1.16	1.16	1.16	
C212	1.38	1.38		1.38
C213	1.25	1.25	1.25	
C214	1.73	1.73		
C215	1.2784	1.2784	1.2784	
C216	2.8848	2.8848	2.8848	
C301	1.69	1.69		
C302	0.94	.94		
C303	2.43	2.43		2.43
C304	1.5	1.5	1.5	
C305	0.95	.95		
C306	1.21	1.21	1.21	
C307	2.03	2.3	2.3	
C308	3			3
C309	2.96	2.96		
C310	1.69	1.69	1.69	1.69
C311	2.83	2.83		
C312	2.85	2.85		
C313	1.44	1.44		
C314	2.12	2.12	2.12	

C315E3	1.52	1.52		
C316	2.99	2.99	2.99	
C317	3	3	3	
C318	3	3	3	
C401	2.16	2.16		2.16
C402	1.8	1.8		1.8
C403	1.93	1.93		
C404	3	3	3	3
C405E2	1.86	1.86		
C406E2	1.03	1.3	1.3	1.3
C407	3	3		
C408	2.9808	2.988	2.988	2.988
C409	2.38	2.38		2.38
C410E1	2.72	2.72	2.72	2.72
C411	1.27	1.27		
C412	3	3	3	3

PSO ATTAINMENT	**PSO1**	**PSO2**	**PSO3**
Obtained	129.18	69.44	40.93
Actual	62	30	18
Direct Attainment	2.08	2.31	2.27
Indirect Attainment	3	3	3
Overall Attainment	2.26	2.45	2.42
Target	**3**	**3**	**3**

***Overall Attainment = (0.8*Direct Attainment + 0.2*Indirect Attainment)**

Table:6 PO Attainment Comparison

	2009-2013	2010-2014	2011-2015	2012-2016	2013-2017
PO1	1.7	1.8	1.76	2.01	2.25
PO2	1.69	1.75	1.76	1.97	2.19
PO3	1.73	1.86	1.84	2.14	2.26
PO4	1.78	1.79	2.06	2.16	2.22
PO5	1.81	1.83	1.97	2.18	2.3
PO6	1.74	1.81	1.93	2.04	2.38
PO7	1.65	1.86	2.02	1.91	2.42
PO8	1.77	2.23	1.93	2.42	2.71
PO9	1.84	2.13	2.35	2.42	2.69
PO10	1.92	2.39	2.36	2.22	2.74
PO11	1.86	2.06	2.27	2.31	2.74
PO12	1.42	1.89	1.97	1.77	2.42

Table:7 PSO Attainment Comparison

	2009-2013	2010-2014	2011-2015	2012-2016	2013-2017
PSO1	1.69	1.82	1.79	1.98	2.26
PSO2	1.78	1.93	2.16	2.24	2.45
PSO3	1.8	2	2	1.89	2.42

Table:8 **Indirect Attainment of POs**

POs	Indirect Attainment Level			
	2013-2017 Batch			
	Exit Survey (in %)	Survey Attainment Level	Co-Curricular attainment level	Indirect Attainment
1	89.92	3	3	3
2	88.57	3	3	3
3	88.07	3	3	3
4	89.92	3	3	3
5	89.92	3	3	3
6	89.41	3	3	3
7	92.1	3	3	3
8	91.09	3	3	3
9	90.92	3	3	3
10	91.76	3	3	3
11	90.76	3	3	3
12	91.09	3	3	3

Co-curricular Attainment:

Co-curricular Attainment = (0.8*Mini project attainment + 0.2*Events attended attainment)

Indirect Attainment:

Indirect Attainment = (0.9* Exit Survey Attainment + 0.1* Co-curricular Attainment)

K.L.N. College of Engineering
Gradution Survey

Dept: *EEE* Batch : *2017*

Nof Entry : 119		
Sl.No.	**Question**	**%**
1	Based on your work experiences since obtaining your undergraduate degree in EEE, what is your impression of the overall quality of your educational experiences that you received at the EEE Programme in KLNCE?	89.92
2.	Ability to apply knowledge of differential and integral calculus, matrices, transforms techniques and Numerical techniques (PO-1), (PSO-1)	88.57
3.	Ability to apply knowledge of Material Science and Chemical Science (PO-1),(PSO-1)	88.07
4.	Ability to apply basic concepts of Civil and Mechanical Engineering (PO- 1),(PSO-1)	89.92
5.	Ability to design and conduct experiments on Electrical Machines, Analog and Digital Circuits (PO- 4),(PSO-1)	89.92
6.	Ability to design system like controller circuits, component or process to meet desired needs (PO-3),(PSO-1)	89.41
7.	Ability to function as a team and to co-ordinate the activities (PO-9),(PSO-2)	92.10
8.	Ability to identify, formulate and solve problems of Power Systems Engineering / Power Electronics Circuits (PO-2),(PSO-1)	91.09
9.	Ability to apply ethical principles and commit to professional ethics and responsibilities (PO-8),(PSO-3)	90.92
10.	Ability to communicate effectively (PO-10),(PSO-3)	91.76
11.	Ability to apply knowledge to access societal, health, safety, legal and cultural issues relevant to the professional engineering practice (PO-6),(PSO-3)	90.76
12.	Ability to engage in independent and lifelong learning in the context of technological change (PO-12),(PSO-2)	91.09
13.	Ability to apply the knowledge of the modern electrical engineering tools such as MATLAB / ETAP / PSCAD / PSIM / PSPICE / Power World Simulator (PO-5),(PSO-2)	90.92
14.	Ability to demonstrate the knowledge of Engineering and Management principles to your own work / as a member or leader in a team to manage projects (PO-11),(PSO-3)	89.92
15.	Ability to demonstrate the knowledge of professional engineering solutions in societal and environmental context for sustainable development (PO-7),(PSO-3)	91.60
	Total Average	**90.40**

Your Score				
Poor	**Satisfactory**	**Good**	**Very Good**	**Excellent**

K.L.N. College of Engineering
Graduation Survey

Dept: *EEE* Batch : *2017*

Sl. No.	**Title**	**Sub Title**	**%**
1	1.A	A	**90.40**
Overall Percentage			**90.40**

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Details of Marks entered for Exit Survey by Students 2012 -2016 BATCH

S. No	Name of the Student	q1	q2	q3	q4	q5	q6	q7	q8	q9	q10	q11	q12	q13	q14	q15
1.	romikaavinash@gmail.com	4	4	5	5	4	5	4	5	5	5	5	4	5	5	5
2.	sulthanaabbas@gmail.com	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
3.	indiraganesan19@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4.	pavithra8296@yahoo.com	4	3	3	4	4	4	4	4	4	4	4	4	4	3	3
5.	perianayagi.m@gmail.com	3	5	4	3	4	4	4	4	3	4	4	4	4	4	4
6.	shalinim47@gmail.com	4	5	5	5	4	4	4	5	4	5	4	4	5	5	4
7.	hemaramar95@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
8.	kvnkarthick47@gmail.com	4	4	5	4	4	4	5	4	5	4	4	5	4	5	5
9.	vaithee06@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10.	pandik375@gmail.com	2	2	4	3	4	4	3	4	4	3	4	4	4	2	3
11.	birundhasathaiyah@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
12.	kowsyyyps@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
13.		5	4	5	5	4	4	5	5	5	5	4	5	5	4	4
14.	dhanushkumar.eee@gmail.com	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5
15.	gpsarathymail@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
16.	kavi6302@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
17.	ramasamysubashini@gmail.com	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5
18.	kathirvelarumugam333@gmail.com	4	4	4	4	3	3	4	5	4	5	4	5	4	4	4
19.	varshi1508@gmail.com	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
20.	parameswari.eee@gmail.com	4	3	5	5	4	5	4	4	4	4	4	4	4	4	4
21.	tkrishikeshkamalamoorthy@gmail.com	4	5	4	5	5	4	5	4	5	5	5	4	5	4	5
22.	vanmathieee1996@gmail.com	4	3	3	4	4	3	5	4	5	4	4	4	3	4	3
23.	santhanakrishnan57@gmail.com	5	4	3	5	5	5	5	5	5	5	5	5	5	5	5
24.	muthumathithavasuraman@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
25.	pnaveenkumar61@gmail.com	4	5	4	5	5	5	4	5	4	5	4	5	5	5	4
26.	navisethuram@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
27.	boomathiee96@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
28.		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
29.	sasi132029@gmail.com	5	4	4	5	5	4	5	4	5	4	4	4	4	3	5

30.	vivitharossy@gmail.com	4	4	3	4	4	4	5	4	4	4	3	4	4	4	4
31.	priyasenna@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
32.	meribastephen@gmail.com	4	4	4	4	4	5	4	4	4	5	4	4	4	4	5
33.	kathunsarifa@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
34.	veerapathiran469@gmail.com	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
35.	duraiseetha96@gmail.com	5	5	4	4	4	5	5	5	5	5	5	5	4	5	5
36.	radhikasundaravel@gmail.com	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4
37.	senthilkumar20795@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
38.	lakshmiveera96@gmail.com	3	3	3	4	4	3	5	4	4	4	4	3	4	4	4
39.	karthikvikram1995@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
40.	dineshkannab@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5
41.	kseeman48@gmail.com	4	3	4	3	4	4	4	4	4	4	4	4	3	4	4
42.	saravanan.t.s.2971996@gmail.com	4	4	5	5	4	4	5	5	5	4	5	5	5	5	5
43.	dharani7897@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
44.	aadhithyasomu1803@gmail.com	5	5	4	5	5	5	4	5	5	5	5	5	5	5	4
45.	karthickpalani359@gmail.com	5	5	5	4	4	5	5	5	5	5	5	5	5	5	5
46.	rofinaregina@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4
47.	shanthini476@yahoo.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
48.	sowendaryasos@gmail.com	4	3	3	4	3	4	4	3	4	4	4	4	4	4	4
49.	vanithashendha3@gmail.com	4	4	4	4	4	4	4	4	4	5	5	5	4	5	5
50.	kokilaarjunaneee@gmail.com	4	4	4	4	5	4	4	4	4	5	4	4	4	4	5
51.	dharukumaran@gmail.com	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
52.	ambrs30@gmail.com	4	4	4	5	5	4	5	4	4	4	5	5	4	4	5
53.	rlavanya1110@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
54.	arun.angs77@gmail.com	5	5	4	5	5	4	5	5	5	5	4	4	5	5	5
55.	lakshmanramanarun@gmail.com	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
56.	msksiva1301@gmail.com	3	3	3	4	5	3	5	4	4	4	4	3	3	4	4
57.	puvaneswarm@gmail.com	5	5	5	5	5	5	5	5	4	4	5	5	5	5	4
58.	spriyankaad@gmail.com	4	4	5	5	5	4	4	4	3	5	4	4	4	4	4
59.	aarthi040@gmail.com	4	5	4	5	4	4	5	4	5	5	5	5	4	5	5
60.	imayakani1996@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
61.	rajakannan2296@gmail.com	5	4	5	5	3	4	5	5	4	5	4	5	4	5	4
62.	selvau96@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

63.	magesshanmugavel@gmail.com	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5
64.	akila25.1.97@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
65.	iamsureitis@gmail.com	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5
66.	balapalanivel4@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
67.	laxmenbabu007@gmsil.com	4	4	4	4	5	5	5	5	5	4	5	5	5	5	5
68.	snegajansurya@gmail.com	2	2	1	4	3	2	2	3	5	2	1	2	1	5	4
69.	vineethkumarrajan95@gmail.com	1	1	1	1	1	2	2	1	1	2	3	4	5	5	1
70.	nadalmanimari@gmail.com	5	4	5	4	5	4	5	5	4	5	5	4	5	5	5
71.	coleenyadhav96@gmail.com	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5
72.	srinidhitrishna95@gmail.com	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
73.	ajirmsvk@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
74.	kumarmonisheee@gmail.com	5	5	4	4	5	5	4	5	5	5	5	4	4	5	5
75.	aravindjana26@gmail.com	5	5	5	5	5	5	5	4	5	5	4	5	5	4	5
76.	suryapandian95@gmail.com	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
77.	ymyokesh@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
78.	crazyvigneshwari6@gmail.com	4	4	4	3	4	3	3	4	4	4	4	3	4	4	3
79.	dnesheee@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
80.	knk.sabari@gmail.com	4	4	5	4	0	5	5	5	5	5	5	5	5	0	5
81.	agsanjeevkumar96@gmail.com	5	5	4	5	4	4	5	4	4	5	4	5	4	4	5
82.	srkjs18@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
83.	ramkumarprabaharan@gmail.com	4	4	4	4	4	5	5	5	4	4	4	4	5	4	5
84.	saravananlaflare@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
85.	kannankln96@gmail.com	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
86.	kowsalyaklnceeee@gmail.com	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4
87.	aravinthrandy07@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
88.	akashvr08@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
89.	muthukumarsubban@gmail.com	4	4	5	5	5	4	5	5	4	4	4	4	4	4	5
90.	spandian481@gmail.com	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5
91.	kaleesammu10@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
92.	sivasakthi.anu@gmail.com	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
93.	mohammeedfaizaleee@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
94.	varunvels@gmail.com	4	5	4	4	5	5	5	4	4	5	5	5	5	5	4
95.	haridecc@gmail.com	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5

96.	sprathibah@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
97.	m.manikandan.kk@gmail.com	5	5	4	4	5	5	4	5	5	4	5	5	4	5	4
98.	prav1895@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
99.	manojkumar.rk10@gmail.com	5	5	5	5	5	4	5	5	5	5	5	4	5	4	5
100.	yogankumar1995@gmail.com	4	5	4	4	5	5	5	5	4	4	5	5	5	4	5
101.	suganyaravichandran956@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
102.	sbabbas6388@gmail.com	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4
103.	gurubalaviknesh@yahoo.in	5	3	4	4	5	4	4	4	4	4	4	4	4	4	4
104.	sasivijay786@gmail.com	5	5	4	5	4	4	5	5	4	4	5	5	5	5	5
105.	ajith3811316@gmail.com	4	4	3	4	3	4	4	4	4	4	4	4	3	4	4
106.	karthickkanagarajn@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
107.	saihari810@gmail.com	5	4	5	4	5	5	5	4	5	5	4	5	5	4	5
108.	syedabdulla559515@gmail.com	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4
109.	meena95geetharam@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
110.	dhanasekaran.b.2523@gmail.com	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5
111.	tksamy272@gmail.com	4	4	4	3	4	4	3	3	4	4	3	3	4	3	4
112.	kasikannanm@gmail.com	5	4	4	5	4	5	4	4	5	4	4	4	5	3	5
113.	vickymugul12@gmail.com	5	4	3	3	4	5	3	4	5	4	5	5	4	4	5
114.	karthikndev@gmail.com	4	5	5	5	5	4	5	5	5	5	5	5	5	5	4
115.	mpraveenkumar71@gmail.com	4	4	5	4	5	3	5	4	4	5	3	5	5	4	4
116.	dineshbabumasterr@gmail.com	5	4	4	5	4	4	5	5	4	5	5	4	4	5	5
117.	kaleeswaranmm@gmail.com	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
118.	nizharbe@gmail.com	5	5	4	4	4	5	5	5	4	5	4	4	4	5	5
119.	rasuk474@gmail.com	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Average		89.92	88.57	88.07	89.92	89.92	89.41	92.1	91.09	90.92	91.76	90.76	91.09	90.92	89.92	91.6
Attainment		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Questions for Exit Survey

Question No.	Questions
q1	Based on your work experiences since obtaining your undergraduate degree in EEE, what is your impression of the overall quality of your educational experiences that you received at the EEE Programme in KLNCE?
q2.	Ability to apply knowledge of differential and integral calculus, matrices, transforms techniques and Numerical techniques (PO-1), (PSO-1)
q3.	Ability to apply knowledge of Material Science and Chemical Science (PO-1),(PSO-1)
q4.	Ability to apply basic concepts of Civil and Mechanical Engineering (PO- 1),(PSO-1)
q5.	Ability to design and conduct experiments on Electrical Machines, Analog and Digital Circuits (PO-4),(PSO-1)
q6.	Ability to design system like controller circuits, component or process to meet desired needs (PO-3),(PSO-1)
q7.	Ability to function as a team and to co-ordinate the activities (PO-9),(PSO-2)
q8.	Ability to identify, formulate and solve problems of Power Systems Engineering / Power Electronics Circuits (PO-2),(PSO-1)
q9.	Ability to apply ethical principles and commit to professional ethics and responsibilities (PO-8),(PSO-3)
q10.	Ability to communicate effectively (PO-10),(PSO-3)
q11.	Ability to apply knowledge to access societal, health, safety, legal and cultural issues relevant to the professional engineering practice (PO-6),(PSO-3)
q12.	Ability to engage in independent and lifelong learning in the context of technological change (PO-12),(PSO-2)
q13.	Ability to apply the knowledge of the modern electrical engineering tools such as MATLAB / ETAP / PSCAD / PSIM / PSPICE / Power World Simulator (PO-5),(PSO-2)
q14.	Ability to demonstrate the knowledge of Engineering and Management principles to your own work / as a member or leader in a team to manage projects (PO-11),(PSO-3)
q15.	Ability to demonstrate the knowledge of professional engineering solutions in societal and environmental context for sustainable development (PO-7),(PSO-3)

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Details of Students participated in Inter and Intra College Events 2013 – 2017 BATCH

S.No.	Roll No.	Name of the Student	I Years			II Year			III Year			IV Year			Internal	External	Total
			I	E	T	I	E	T	I	E	T	I	E	T			
1	132044	AADHITHYA S			0	1		1	2	1	3	3		3	6	1	7
2	132104	AARTHI J			0	1		1	1	1	2	3		3	5	1	6
3	132064	AJITH R			0	1		1	1		1	3		3	5	0	5
4	132305	AJITH PANDIAN V			0	1		1	2		2	4		4	7	0	7
5	132313	AKASH KARMEGAM V R			0	1		1	1		1	3		3	5	0	5
6	132061	AKILA K			0	1		1	2	1	3	3		3	6	1	7
7	132103	AMBRISH BABU S			0	1		1	1	4	5	4	3	7	6	7	13
8	132306	ARAVIND J R			0	1		1	3	4	7	3		3	7	4	11
9	132070	ARAVINTHANSAMY A			0	1		1	2		2	3	1	4	6	1	7
10	132053	ARUN PANDIAN S			0	1		1	2		2	4		4	7	0	7
11	132062	BALAMURUGAN P			0	1		1	2		2	3	2	5	6	2	8
12	132011	BIRUNDHA S			0	1	1	2	2	1	3	3		3	6	2	8
13	132027	BOOMATHI M			0	1		1	1	1	2	3	1	4	5	2	7
14	132303	COLEEN S			0	1		1	1	1	2	4	1	5	6	2	8
15	132014	DHANUSHKUMAR G			0	1		1	2	1	3	4	1	5	7	2	9
16	132043	DHARANI P			0	1	2	3	3		3	3		3	7	2	9
17	132310	DHINESH M			0	1		1	1		1	4		4	6	0	6
18	132041	DINESH KANNA B			0	1		1	3	2	5	4		4	8	2	10
19	132007	HEMA R			0	1		1	2		2	4		4	7	0	7
20	132058	IMAYAKANI B			0	1		1	2	1	3	3		3	6	1	7
21	132003	INDIRA G			0	2	2	4	3		3	3		3	8	2	10
22	132073	KALEESWARI M			0	1		1	4	1	5	4		4	9	1	10
23	132067	KANNAN A			0	1		1	2		2	3		3	6	0	6
24	132045	KARTHICK P			0	1		1	2		2	4		4	7	0	7
25	132008	KARTHICK S			0	1		1	2		2	3		3	6	0	6
26	132040	KARTHIK VIKRAM K G K			0	1	1	2	2	5	7	4		4	7	6	13
27	132018	KATHIRVEL M			0	1		1	2		2	3		3	6	0	6
28	132033	KATHUN SARIFA M			0	2		2	2		2	4		4	8	0	8
29	132016	KAVITHA S			0	2	2	4	2	1	3	4	7	11	8	10	18

30	132050	KOKILA A			0	1		1	4	3	7	4		4	9	3	12
31	132012	KOWSALYA (08.08.1995) M			0	2		2	2	1	3	3	8	11	7	9	16
32	132069	KOWSALYA (30.06.1996) M			0	1		1	2		2	4	5	9	7	5	12
33	132054	LAKSHMANAN B			0	1		1	2		2	3		3	6	0	6
34	132052	LAVANYA R			0	1	1	2	2	1	3	4	1	5	7	3	10
35	132063	LAXMEN BABU M P			0	1		1	1		1	3	1	4	5	1	6
36	132060	MAGESWARAN S			0	1		1	2		2	3	1	4	6	1	7
37	132302	MANIKANDA MARIAPPAN A			0	1		1	2		2	3	1	4	6	1	7
38	132051	MEENA PRIYA DHARSHINI P			0	2		2	2		2	4	1	5	8	1	9
39	132032	MERIBA CECILI J			0	2		2	2		2	4	1	5	8	1	9
40	132065	MONISH M			0	1		1	1		1	3	1	4	5	1	6
41	132071	MUTHU KUMAR S			0	1		1	1		1	3	1	4	5	1	6
42	132023	MUTHUMATHI T			0	2	1	3	1	1	2	4	2	6	7	4	11
43	132026	NAVANEETHA S			0	2		2	2	3	5	4	1	5	8	4	12
44	132025	NAVEEN KUMAR P			0	1		1	2		2	3	1	4	6	1	7
45	132046	NOORJAHAN ROFINA K			0	1	1	2	2	1	3	5	1	6	8	3	11
46	132035	PACKIALAKSHMI D			0	1	1	2	2	1	3	4	1	5	7	3	10
47	132013	PADMANABAN B N			0	1		1	1		1	4	1	5	6	1	7
48	132010	PANDI K			0	1		1	2		2	3		3	6	0	6
49	132020	PARAMESWARI M			0	1	2	3	1	2	3	3	1	4	5	5	10
50	132015	PARTHASARATHY G			0	1	4	5	2	2	4	4	2	6	7	8	15
51	132004	PAVITHRA R			0	1	1	2	2	5	7	3	1	4	6	7	13
52	132005	PERIANAYAGI M			0	1	2	3	3	1	4	3	1	4	7	4	11
53	132028	PON SARUMATHI M			0	1	1	2	2	1	3	3	1	4	6	3	9
54	132031	PRIYANKA R R			0	1	2	3	2	1	3	4	2	6	7	5	12
55	132057	PRIYANKA S			0	1	2	3	1	2	3	4	1	5	6	5	11
56	132056	PUVANESWARAN M			0	1		1	2	1	3	3		3	6	1	7
57	132036	RADHIKA S			0	1	3	4	2	4	6	4	1	5	7	8	15
58	132312	RAMKUMAR P			0	1	4	5	2	3	5	4	2	6	7	9	16
59	132021	RISHIKESH T K		1	1	1	4	5	2	3	5	6	3	9	9	11	20
60	132001	ROMIKA A			0	1	3	4	1	5	6	3	1	4	5	9	14
61	132311	SANJEEV KUMAR A G			0	1		1	2		2	4		4	7	0	7
62	132072	SANKAR PANDIAN T			0	1		1	1		1	3		3	5	0	5
63	132024	SANTHANA KRISHNAN T L			0	1	1	2	2	2	4	3	1	4	6	4	10
64	132068	SARAVANAN P			0	1		1	2		2	3		3	6	0	6

65	132101	SARAVANAN T S			0	1		1	1		1	3		3	5	0	5
66	132029	SASIKUMAR M			0	1		1	2	1	3	3		3	6	1	7
67	132042	SEEMAN K			0	1		1	1		1	3		3	5	0	5
68	132049	SELVARAJ U			0	1		1	1		1	3		3	5	0	5
69	132037	SENTHILKUMAR K			0	1		1	2	1	3	4	1	5	7	2	9
70	132006	SHALINI M			0	1		1	1		1	4		4	6	0	6
71	132047	SHANTHINI G			0	1	3	4	2	4	6	3	1	4	6	8	14
72	132059	SINGARAJA K			0	1		1	2		2	4		4	7	0	7
73	132055	SIVA KUMAR M			0	1		1	2		2	3		3	6	0	6
74	132105	SNEGAJAN S C			0	1		1	2	1	3	3		3	6	1	7
75	132301	SOMA SUNDARAM D		1	1	1	2	3	2	2	4	3		3	6	5	11
76	132048	SOWENDARYA S			0	1	1	2	2	1	3	4		4	7	2	9
77	132304	SRINIDHI TRISHNA V			0	1	2	3	2	4	6	4		4	7	6	13
78	132108	SRINIVASAN J			0	1		1	1		1	3		3	5	0	5
79	132017	SUBASHINI R			0	1	2	3	2	3	5	4		4	7	5	12
80	132307	SURYA PANDIAN K			0	1	1	2	2		2	3		3	6	1	7
81	132002	VAHITHA SULTHANA A			0	1	1	2	2	3	5	3	1	4	6	5	11
82	132009	VAITHEE SUBRAMANIAN B		1	1	1	1	2	2	2	4	3		3	6	4	10
83	132102	VANITHA S R			0	1	1	2	2	2	4	4	1	5	7	4	11
84	132022	VANMATHI A			0	1	2	3	1	1	2	4		4	6	3	9
85	132019	VARSHITHA S			0	1	2	3	2	3	5	4	1	5	7	6	13
86	132039	VEERALAKSHMI M			0	1	3	4	2	1	3	4	1	5	7	5	12
87	132034	VEERAPATHIRAN K			0	1		1	2		2	3	1	4	6	1	7
88	132107	VENKATSABARI K K			0	1		1	2		2	3		3	6	0	6
89	132309	VIGNESHWARI M			0	1	1	2	2	2	4	4	1	5	7	4	11
90	132106	VINEETHKUMAR R			0	1		1	1		1	3		3	5	0	5
91	132030	VIVITHA V			0	1	3	4	2	1	3	4	1	5	7	5	12
92	132308	YOKESH M			0	1	1	2	1	4	5	3	1	4	5	6	11
93	142912	ABBAS S B			0	1		1	1		1	3		3	5	0	5
94	142915	AJITH KUMAR K S			0	1		1	2	1	3	4		4	7	1	8
95	142917	ARIHARAN A			0	1		1	2		2	3	2	5	6	2	8
96	142913	BALAVIKNESH P			0	1		1	2		2	3	1	4	6	1	7
97	142920	DHANASEKARAN B			0	1		1	2		2	3	1	4	6	1	7
98	142926	DINESH BABU R			0	1		1	1		1	3	1	4	5	1	6
99	142904	HARISHANKAR L			0	1		1	2		2	3	1	4	6	1	7

100	142927	KALEESWARAN M			0	1		1	1		1	3	2	5	5	2	7
101	142921	KANNUSAMY T			0	1		1	1		1	3	2	5	5	2	7
102	142916	KARTHICK K			0	1		1	1		1	3	1	4	5	1	6
103	142924	KARTHIKEYAN N N			0	1		1	2		2	4	1	5	7	1	8
104	142922	KASI K			0	1		1	1		1	3		3	5	0	5
105	142908	MANIKANDAN M			0	1		1	2		2	4	1	5	7	1	8
106	142909	MANOJKUMAR K			0	1		1	1	1	2	3	1	4	5	2	7
107	142919	MEENA T G			0	1		1	1	1	2	3	2	5	5	3	8
108	142902	MOHAMMED FAIZAL A			0	1		1	1	1	2	4	1	5	6	2	8
109	142931	NIZHARUDEEN S			0	1		1	1		1	3	1	4	5	1	6
110	142907	PRATHIBAH.S			0	1		1	1		1	3	2	5	5	2	7
111	142925	PRAVEEN KUMAR M			0	1		1	1		1	3		3	5	0	5
112	142933	RASUKUTTY R			0	1		1	1		1	3		3	5	0	5
113	142914	SASIKUMAR D			0	1		1	2	1	3	3		3	6	1	7
114	142901	SIVASAKTHI G			0	1		1	2	3	5	4	1	5	7	4	11
115	142911	SUGANYA T R			0	1		1	1	2	3	3		3	5	2	7
116	142910	SURESHKUMAR U			0	1		1	1		1	3		3	5	0	5
117	142918	SYEDABDULLAH S			0	1	1	2	2	3	5	3	2	5	6	6	12
118	142903	VARUNVEL S			0	1		1	2		2	3		3	6	0	6
119	142923	VIGNESH R			0	1		1	2		2	4		4	7	0	7
120	142401	"PRAVEEN KUMAR S			0	1	1	2	2	1	3	3		3	6	2	8

Attainment Calculation:

Number of Students participated in Inter College Events	749
Number of Students participated in Intra College Events	284
Total Events	1033
Number of Students participated more than **two** Events	120
Percentage of Students participated more than **two** Events	**100%**
Attainment Level	**3**

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINI PROJECT CONTEST-[2013-2017 BATCH]

S.No.	Roll	Name	14-15	15-16		16-17	
1	132044	AADHITHYA S		80	80	75	75
2	132104	AARTHI J		80	80	75	75
3	132064	AJITH R		80	90	75	65
4	132305	AJITH PANDIAN V		80	90	75	65
5	132313	AKASH KARMEGAM V R		80	90	75	65
6	132061	AKILA K		80	80	60	75
7	132103	AMBRISH BABU S		80	80	75	90
8	132306	ARAVIND J R		80	80	75	75
9	132070	ARAVINTHANSAMY A		80	90	0	0
10	132053	ARUN PANDIAN S		80	90	75	65
11	132062	BALAMURUGAN P		80	80	75	90
12	132011	BIRUNDHA S		80	80	75	75
13	132027	BOOMATHI M		80	90	80	75
14	132303	COLEEN S		80	90	0	75
15	132014	DHANUSHKUMAR G		80	80	75	90
16	132043	DHARANI P		80	80	75	75
17	132310	DHINESH M		90	0	75	70
18	132041	DINESH KANNA B		90	90	75	75
19	132007	HEMA R		80	80	75	75
20	132058	IMAYAKANI B		80	80	75	75
21	132003	INDIRA G		80	80	75	75
22	132073	KALEESWARI M		80	90	75	75
23	132067	KANNAN A		80	80	0	65
24	132045	KARTHICK P		80	90	75	0
25	132008	KARTHICK S		80	80	75	65
26	132040	KARTHIK VIKRAM K G K		80	90	75	75
27	132018	KATHIRVEL M		80	80	75	70
28	132033	KATHUN SARIFA M		80	80	75	75
29	132016	KAVITHA S		80	90	80	75
30	132050	KOKILA A		80	90	75	75
31	132012	KOWSALYA (08.08.1995) M		80	90	0	75
32	132069	KOWSALYA (30.06.1996) M		80	90	0	75
33	132054	LAKSHMANAN B		80	80	0	75
34	132052	LAVANYA R		80	80	0	80
35	132063	LAXMEN BABU M P		80	0	0	70
36	132060	MAGESWARAN S		80	80	0	90
37	132302	MANIKANDA MARIAPPAN A		80	90	0	0

38	132051	MEENA PRIYA DHARSHINI P		80	90	60	65
39	132032	MERIBA CECILI J		80	90	75	65
40	132065	MONISH M		80	80	0	0
41	132071	MUTHU KUMAR S		80	80	0	0
42	132023	MUTHUMATHI T		80	90	75	65
43	132026	NAVANEETHA S		80	80	0	75
44	132025	NAVEEN KUMAR P		80	80	0	70
45	132046	NOORJAHAN ROFINA K		80	80	0	80
46	132035	PACKIALAKSHMI D		80	80	0	80
47	132013	PADMANABAN B N		80	90	0	0
48	132010	PANDI K		80	80	0	75
49	132020	PARAMESWARI M	80	80	80	0	60
50	132015	PARTHASARATHY G	90	90	90	0	90
51	132004	PAVITHRA R	70	80	90	0	65
52	132005	PERIANAYAGI M	80	80	80	0	75
53	132028	PON SARUMATHI M		80	80	0	60
54	132031	PRIYANKA R R	80	80	80	0	75
55	132057	PRIYANKA S	80	80	80	0	60
56	132056	PUVANESWARAN M	90	90	80	0	75
57	132036	RADHIKA S	90	80	90	0	65
58	132312	RAMKUMAR P	90	90	90	0	90
59	132021	RISHIKESH T K	90	90	90	0	90
60	132001	ROMIKA A	90	80	90	0	65
61	132311	SANJEEV KUMAR A G	90	80	80	0	75
62	132072	SANKAR PANDIAN T		80	80	70	75
63	132024	SANTHANA KRISHNAN T L	90	90	90	95	85
64	132068	SARAVANAN P		80	80	70	0
65	132101	SARAVANAN T S	90	90	90	90	75
66	132029	SASIKUMAR M		80	90	80	65
67	132042	SEEMAN K		80	90	60	75
68	132049	SELVARAJ U		80	80	70	75
69	132037	SENTHILKUMAR K	90	80	80	75	75
70	132006	SHALINI M		80	90	75	75
71	132047	SHANTHINI G	70	80	80	86	75
72	132059	SINGARAJA K		90	90	90	75
73	132055	SIVA KUMAR M	90	80	80	75	75
74	132105	SNEGAJAN S C		80	90	85	75
75	132301	SOMA SUNDARAM D		80	90	80	65
76	132048	SOWENDARYA S		80	90	75	0
77	132304	SRINIDHI TRISHNA V	70	80	80	0	75
78	132108	SRINIVASAN J		90	90	90	75
79	132017	SUBASHINI R	80	80	90	75	75

80	132307	SURYA PANDIAN K		80	90	80	65
81	132002	VAHITHA SULTHANA A	75	80	80	75	75
82	132009	VAITHEE SUBRAMANIAN B		80	90	80	65
83	132102	VANITHA S R	75	80	80	0	75
84	132022	VANMATHI A		80	90	75	75
85	132019	VARSHITHA S	75	80	80	86	75
86	132039	VEERALAKSHMI M		80	90	75	75
87	132034	VEERAPATHIRAN K		80	80	75	75
88	132107	VENKATSABARI K K		80	80	75	75
89	132309	VIGNESHWARI M	80	80	90	75	75
90	132106	VINEETHKUMAR R	90	90	90	90	75
91	132030	VIVITHA V		80	90	75	75
92	132308	YOKESH M	90	90	90	95	75
93	142912	ABBAS S B		90	0	70	0
94	142915	AJITH KUMAR K S		80	90	75	70
95	142917	ARIHARAN A		80	80	75	65
96	142913	BALAVIKNESH P		80	80	75	65
97	142920	DHANASEKARAN B		80	90	75	60
98	142926	DINESH BABU R		80	80	75	60
99	142904	HARISHANKAR L		80	80	75	90
100	142927	KALEESWARAN M		80	80	75	0
101	142921	KANNUSAMY T		80	80	75	65
102	142916	KARTHICK K		80	80	0	75
103	142924	KARTHIKEYAN N N		80	80	0	75
104	142922	KASI K		80	80	0	90
105	142908	MANIKANDAN M		80	80	0	75
106	142909	MANOJKUMAR K		80	80	0	70
107	142919	MEENA T G		80	80	0	75
108	142902	MOHAMMED FAIZAL A		80	80	0	70
109	142931	NIZHARUDEEN S		80	80	0	75
110	142907	PRATHIBAH.S		80	90	0	75
111	142925	PRAVEEN KUMAR M		80	80	0	90
112	142933	RASUKUTTY R		90	80	75	75
113	142914	SASIKUMAR D	90	80	80	75	75
114	142901	SIVASAKTHI G		80	80	86	25
115	142911	SUGANYA T R		80	80	0	75
116	142910	SURESHKUMAR U		80	80	85	90
117	142918	SYEDABDULLAH S		80	90	95	85
118	142903	VARUNVEL S		80	90	85	90
119	142923	VIGNESH R		80	80	70	75
120	142401	PRAVEEN KUMAR S		80	90	85	90

Attainment Calculation:

	16-17		15-16		14-15
Total	120	120	120	120	119
Participated	110	76	117	120	26
>=75	78	68	117	120	23
%	70.91	89.47	100	100	88.46
% year wise	**80.19%**		**100%**		**88.46%**
Attainment	**3**		**3**		**3**

Table:9 Course Outcome Attainment – Courses with low attainment (2013 – 2017)

S. No.	Course Code	Course Name	Attainment Obtained	Observations	Action Plan
1.	C202	Digital Logic Circuits	0.89	Performance of lateral entry students in CITs and AU exams are not satisfactory	1. Important AU questions were solved and supplied. 2.Retest conducted regularly.
2.	C203	Electromagnetic Theory	0.92	Performance of students in CITs and AU exams are lower than the target set	1. Change of books suggested. 2.AU solved paper given.
3.	C302	Microprocessors and Microcontrollers	0.94	Performance of lateral entry students in CITs, AU are not satisfactory.	1.Slow learners were identified. Special coaching classes are planned and conducted to them.
4.	C305	Electrical Machines II	0.95	Performance in CIT and AU is lower.	1.Good Presentation in Anna University/CIT examination is stressed.

POs Attainment Levels and Actions for improvement – CAY (2013 – 2017 batch)

POs	Target Level	Attainment Level	Observations
PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			
PO1	3	2.25	Attainment is Marginal
--			
PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			
PO2	3	2.19	Attainment is Marginal
--			
PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.			
PO3	3	2.26	Attainment is Marginal
Action 1: Remedial classes are planned for poor students.			
PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.			
PO4	3	2.22	Attainment is marginal

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.			
PO5	3	2.3	Attainment is marginal.
Action 1: Quizzes and Seminars are planned **Action 2:** Mini Project contest is planned **Action 3:** Content beyond experiment using modern tool / technique is planned in the laboratory.			
PO6 : The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.			
PO6	3	2..38	Attainment is marginal.
Action 1: Mini Project contest, Paper publication in seminar and conferences.			
PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO7	3	2.42	Attainment is marginal

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			

PO8	3	2.71	Attainment is marginal

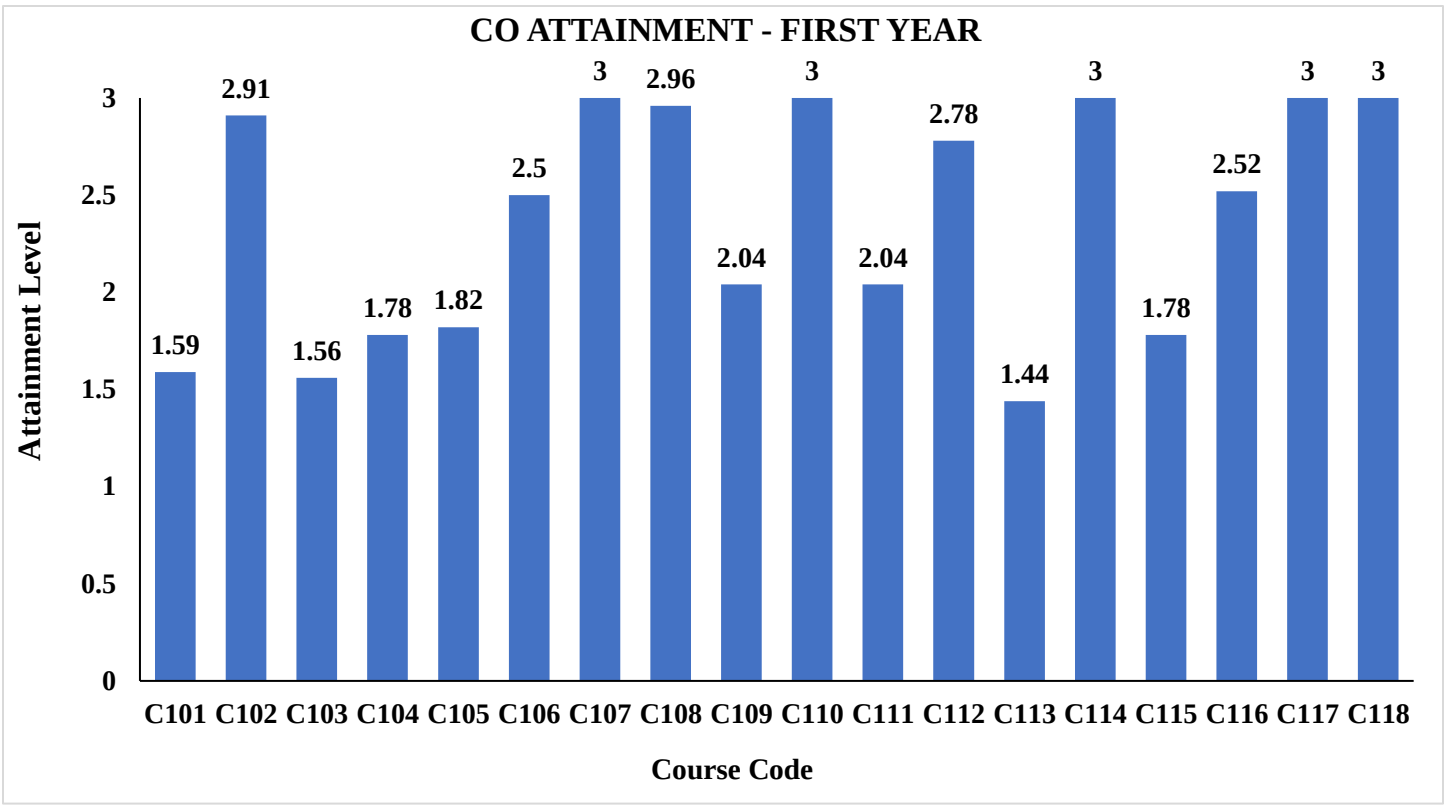
PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			
PO9	3	2.69	Attainment is marginal

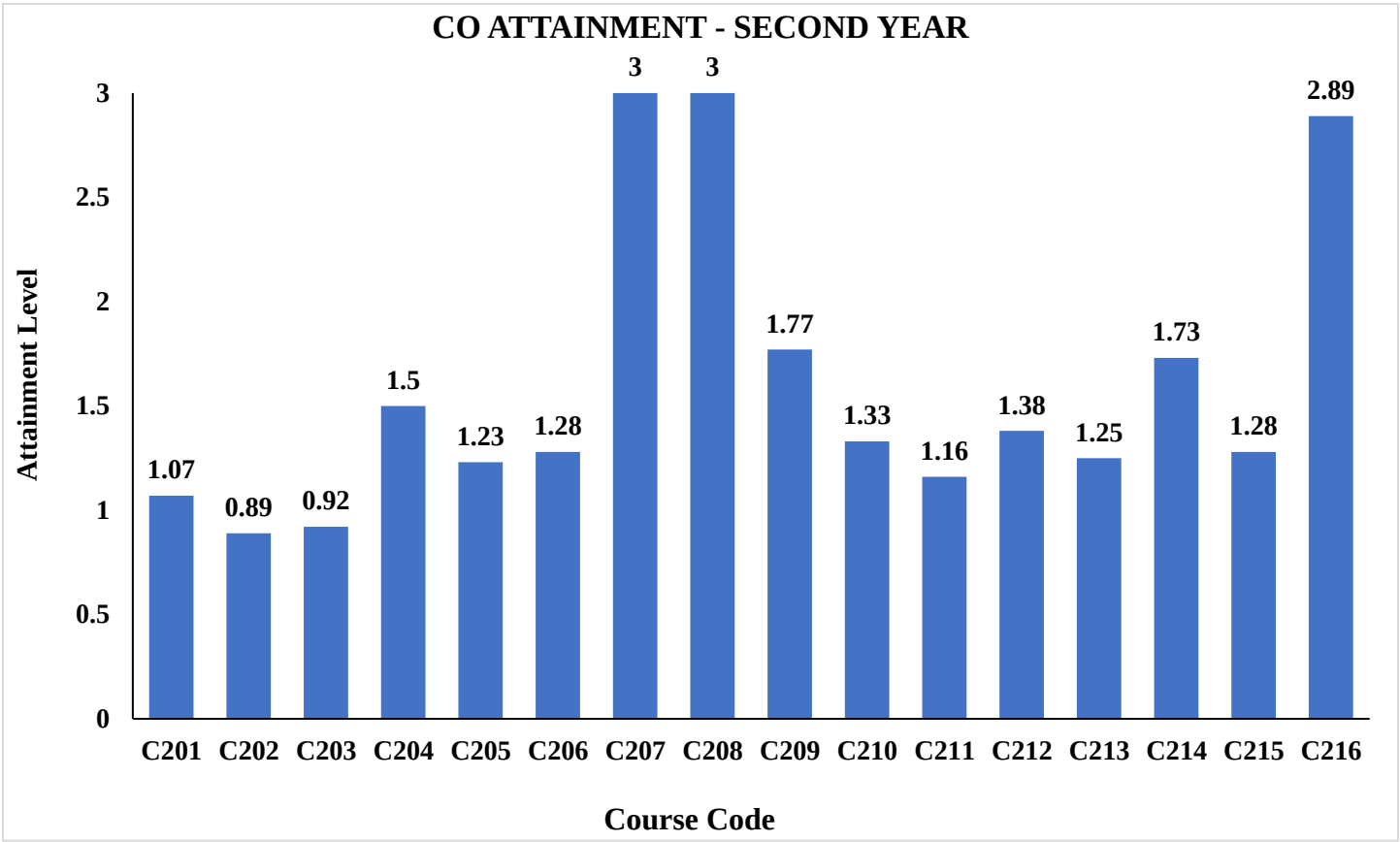
PO10 : Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.			
PO10	3	2.74	Attainment is marginal

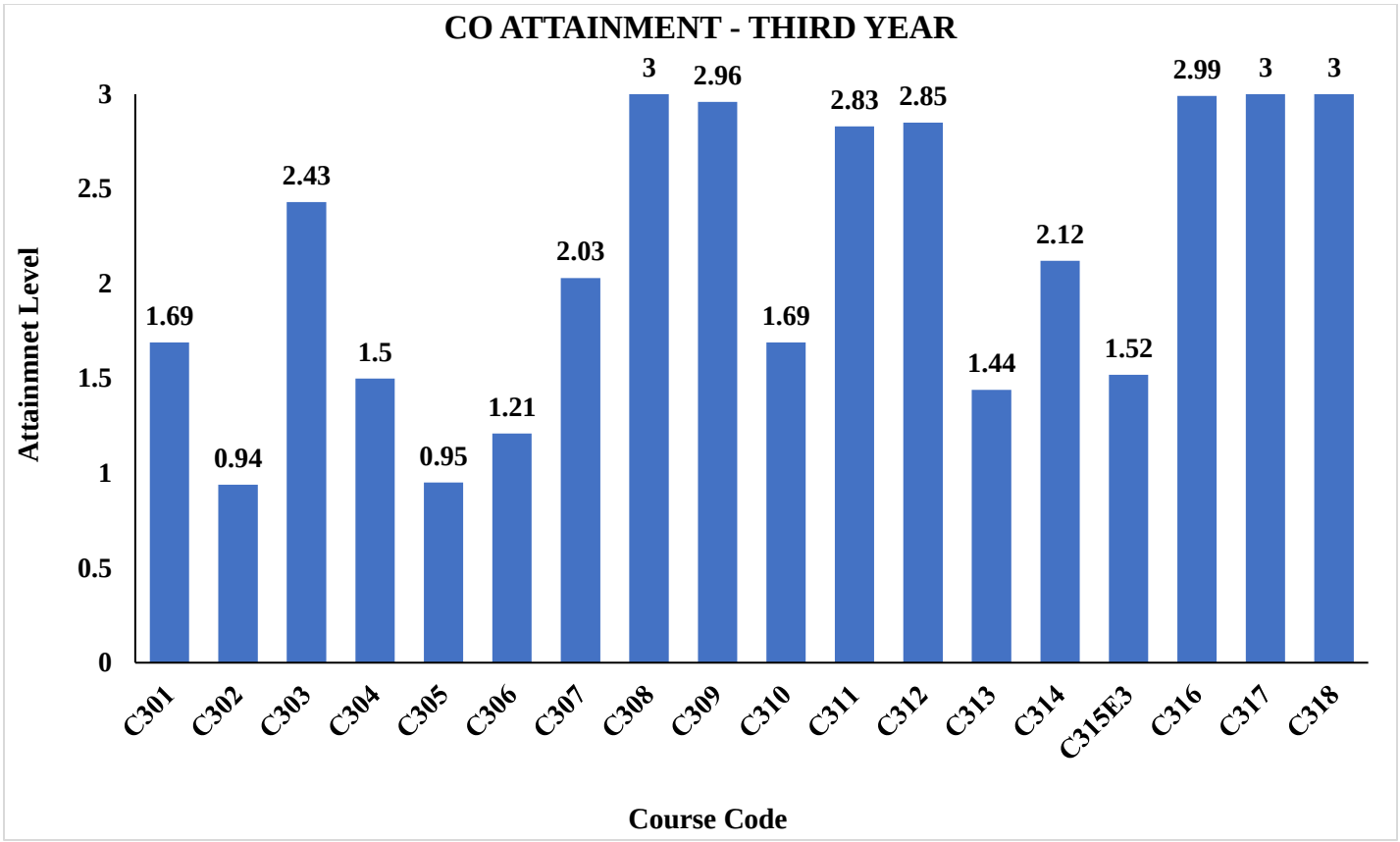
PO11 : Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.			
PO11	3	2.74	Attainment is marginal

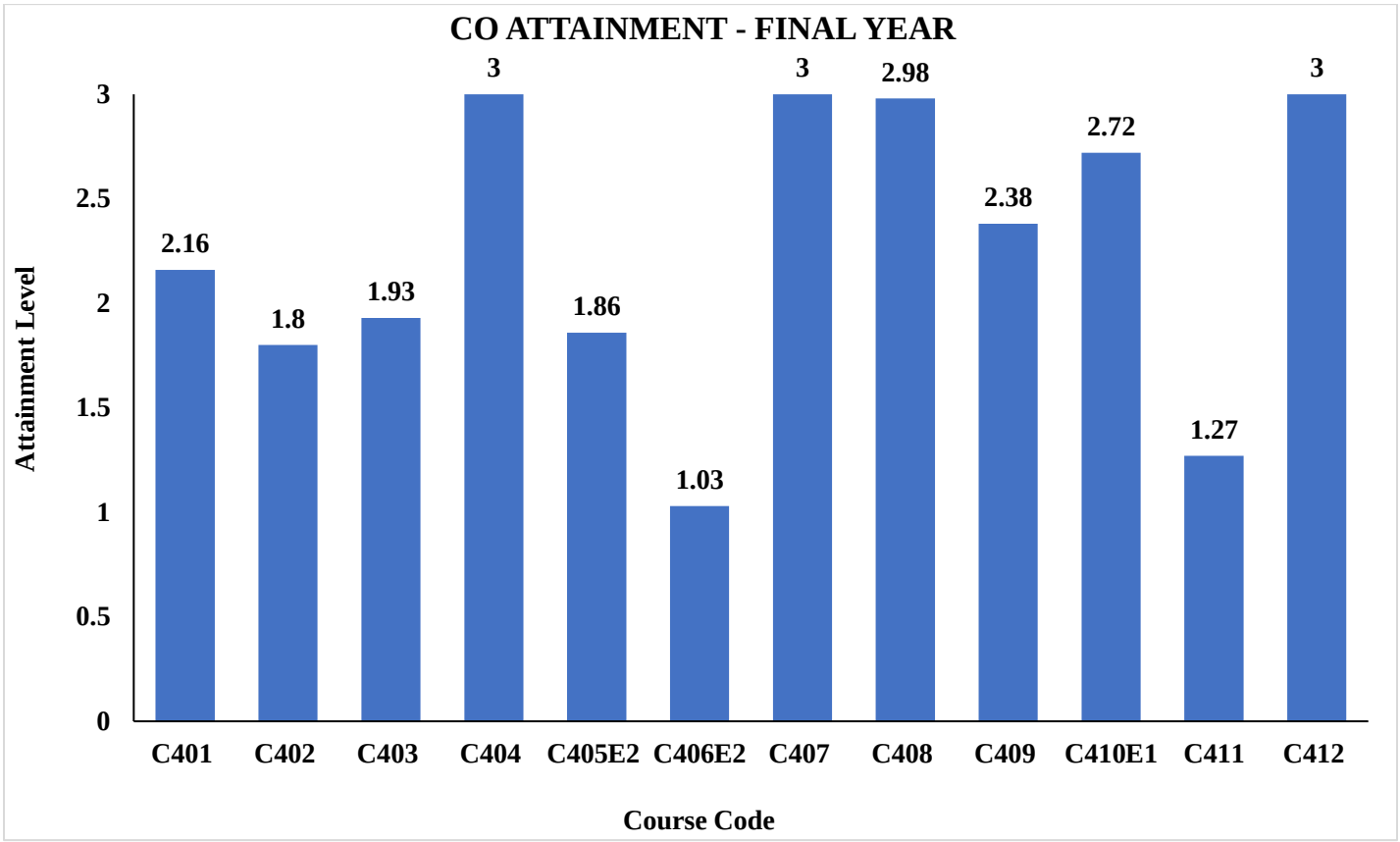
PO12 : Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.			
PO12	3	2.42	Attainment is marginal

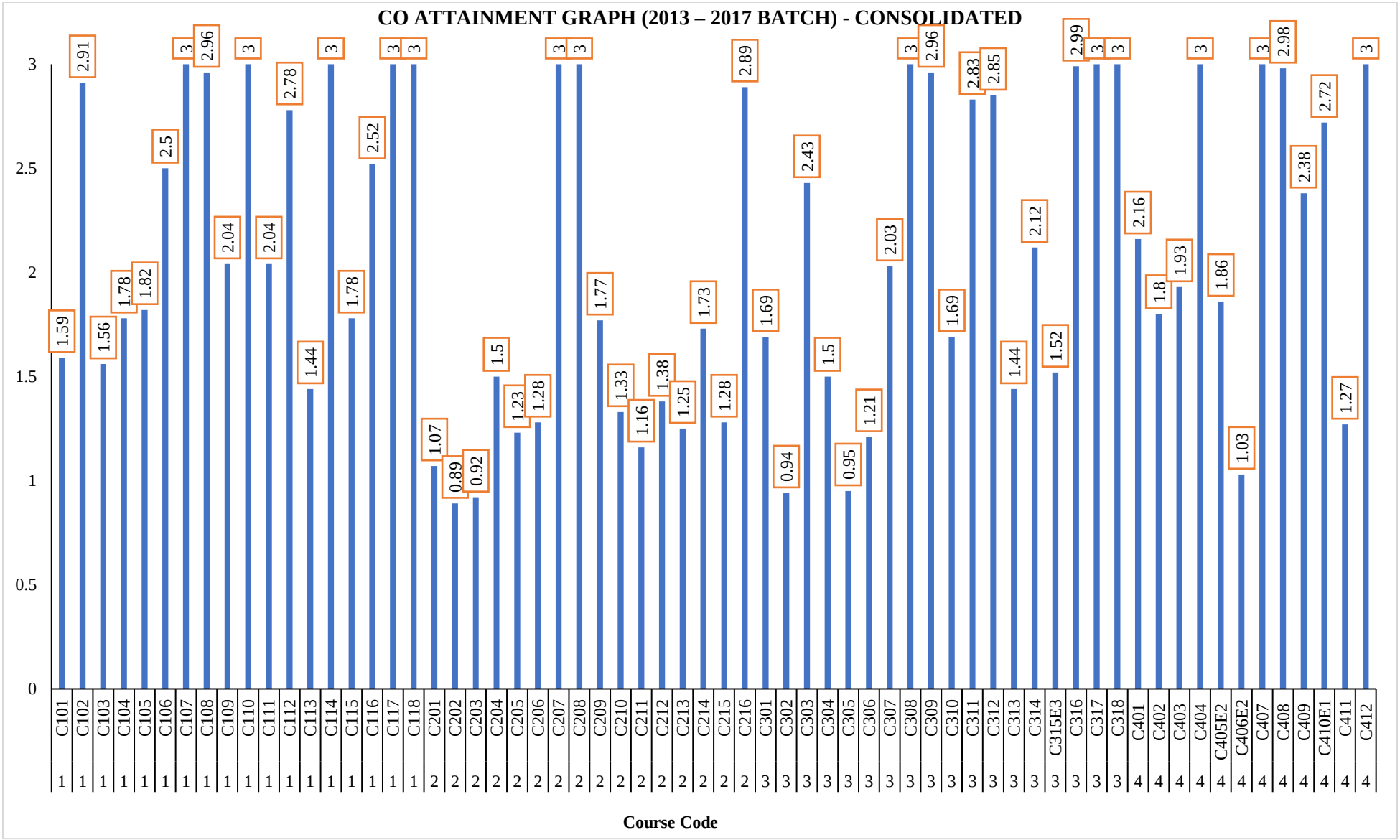
CO ATTAINMENT GRAPH (2013 – 2017 BATCH)

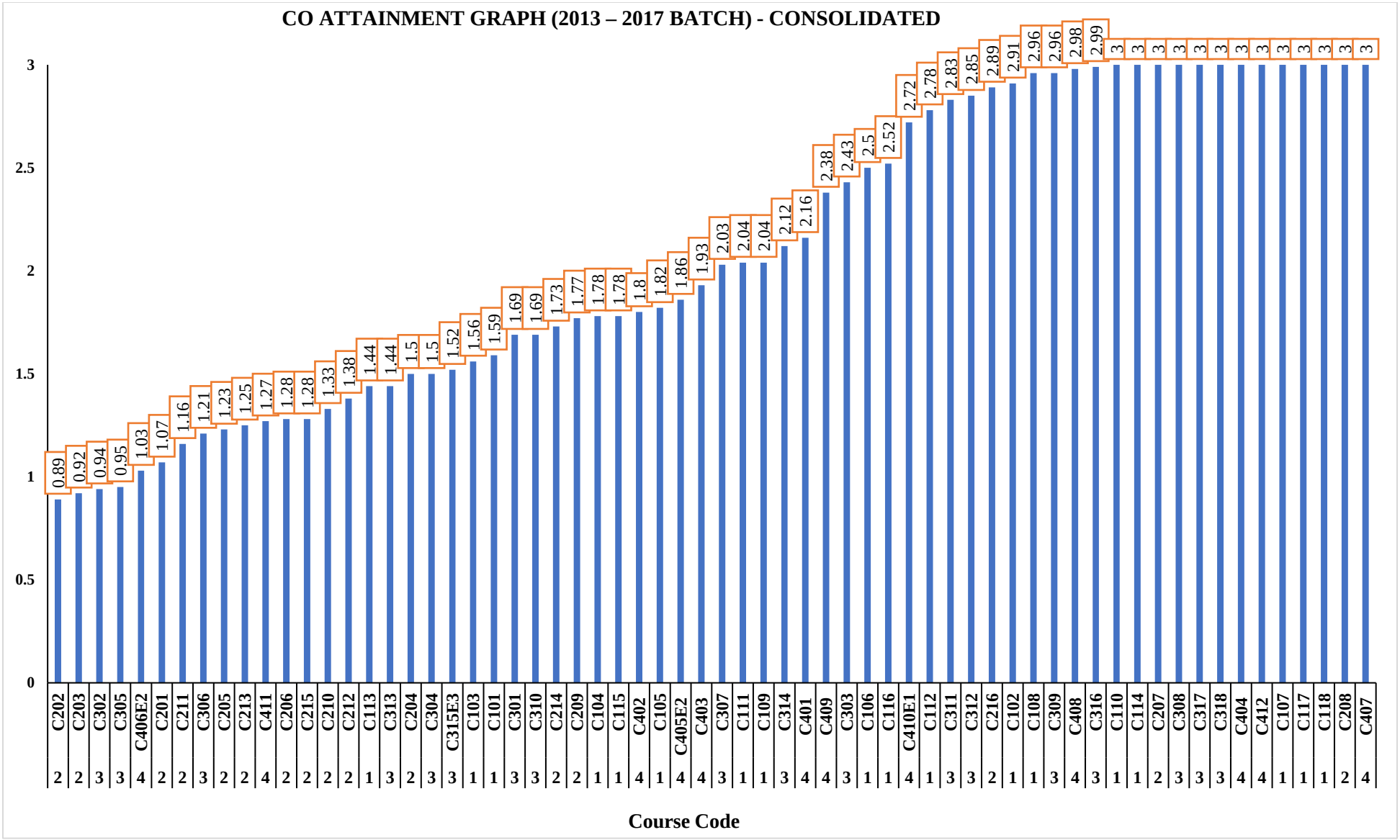


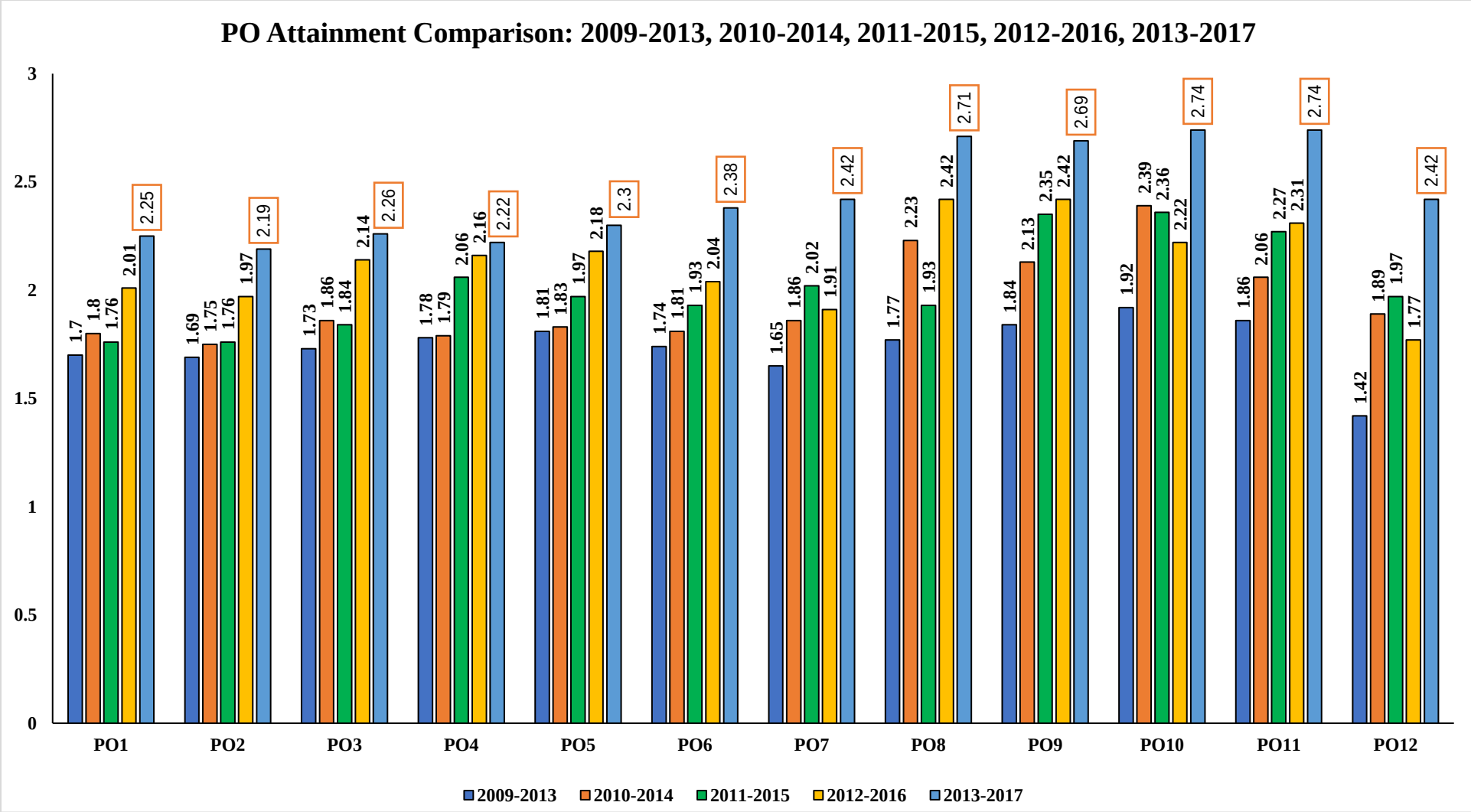


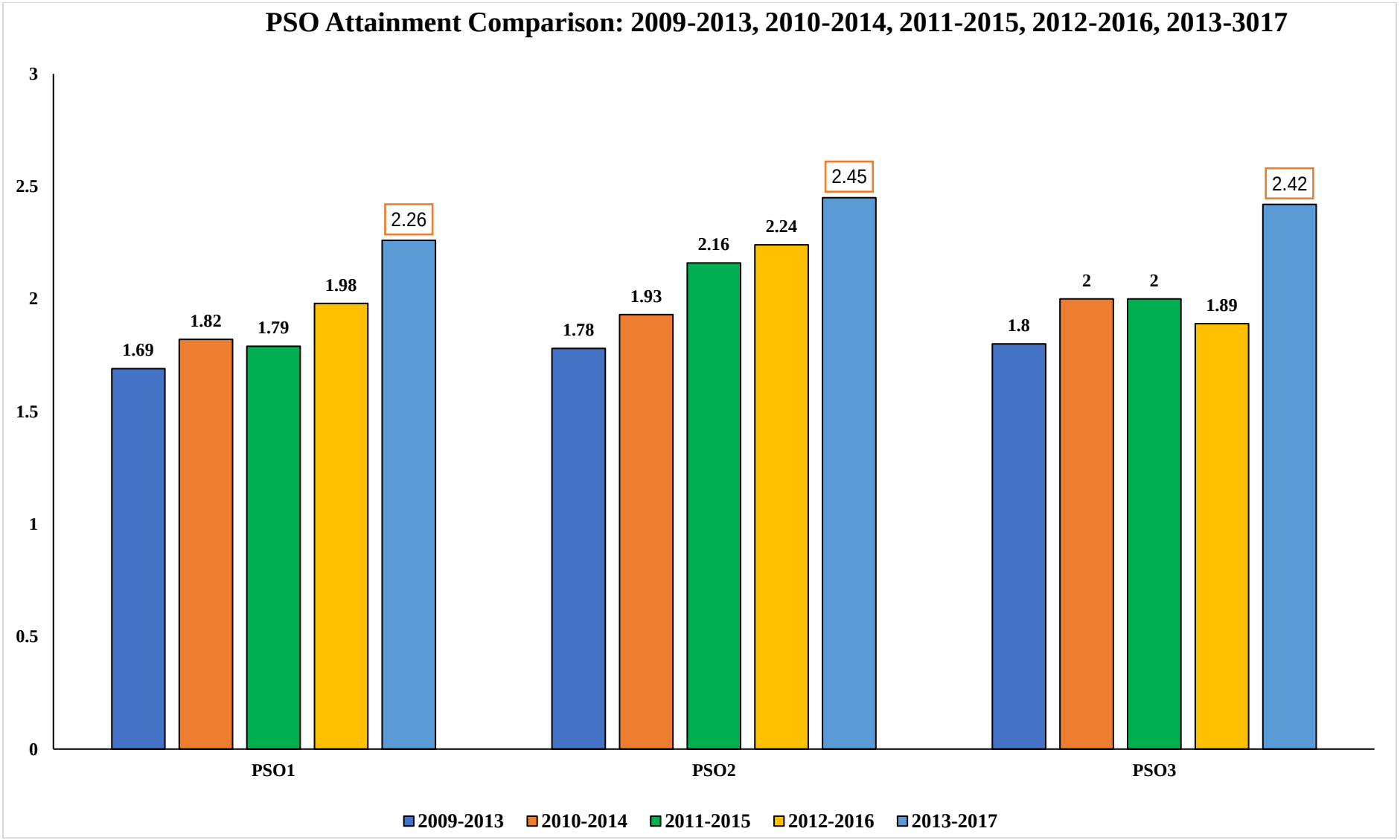

CO ATTAINMENT - THIRD YEAR
Attainmnet Level
3
2.5
2
1.5
1
0.5
0
1.69
0.94
2.43
1.5
0.95
1.21
2.03
3
2.96
1.69
2.83
2.85
1.44
2.12
1.52
2.99
3
3
C301
C302
C303
C304
C305
C306
C307
C308
C309
C310
C311
C312
C313
C314
C315E3
C316
C317
C318
Course Code

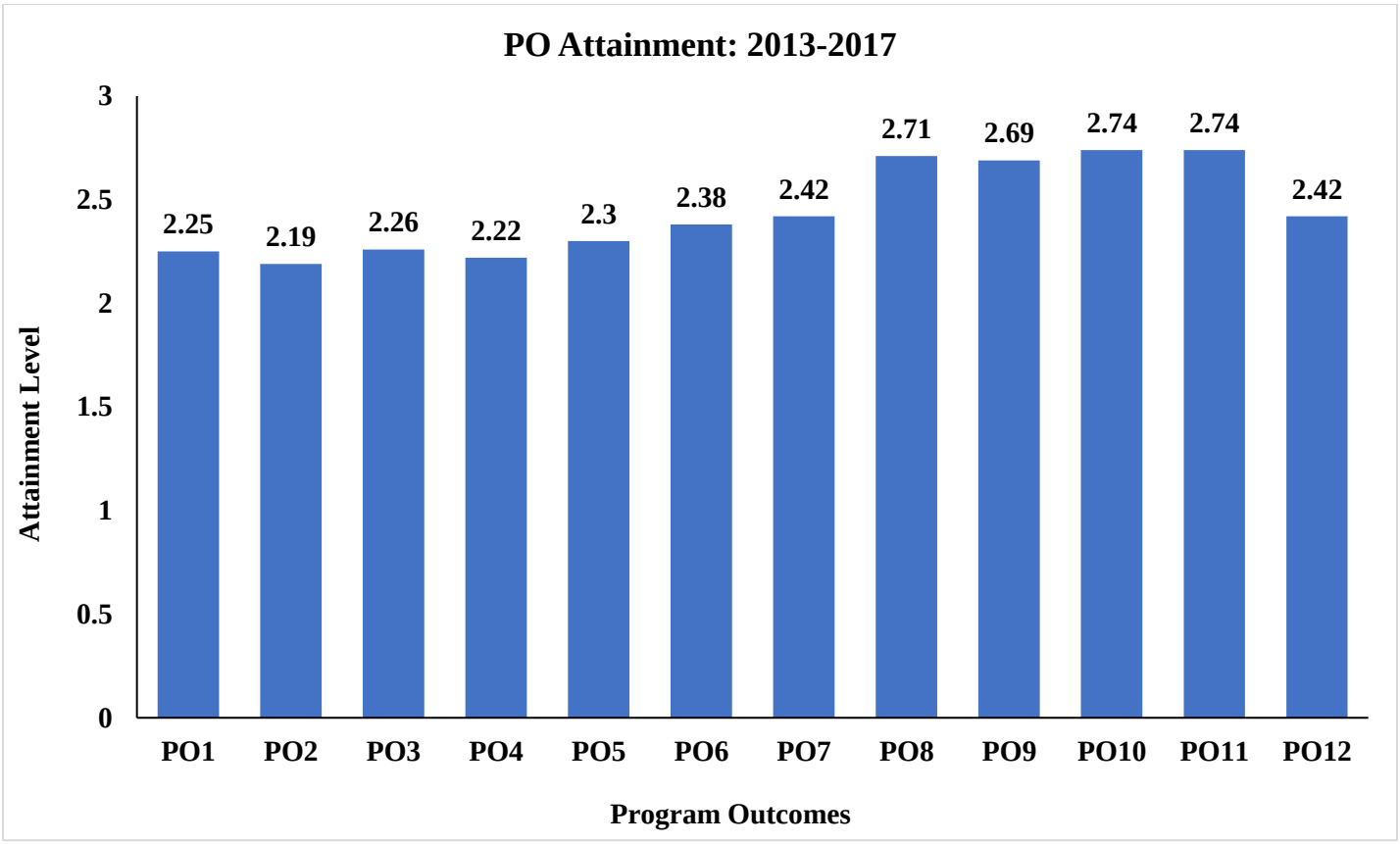

CO ATTAINMENT - FINAL YEAR
Attainment Level
3
2.5
2
1.5
1
0.5
0
2.16
1.8
1.93
3
1.86
1.03
3
2.98
2.38
2.72
1.27
3
C401
C402
C403
C404
C405E2
C406E2
C407
C408
C409
C410E1
C411
C412
Course Code

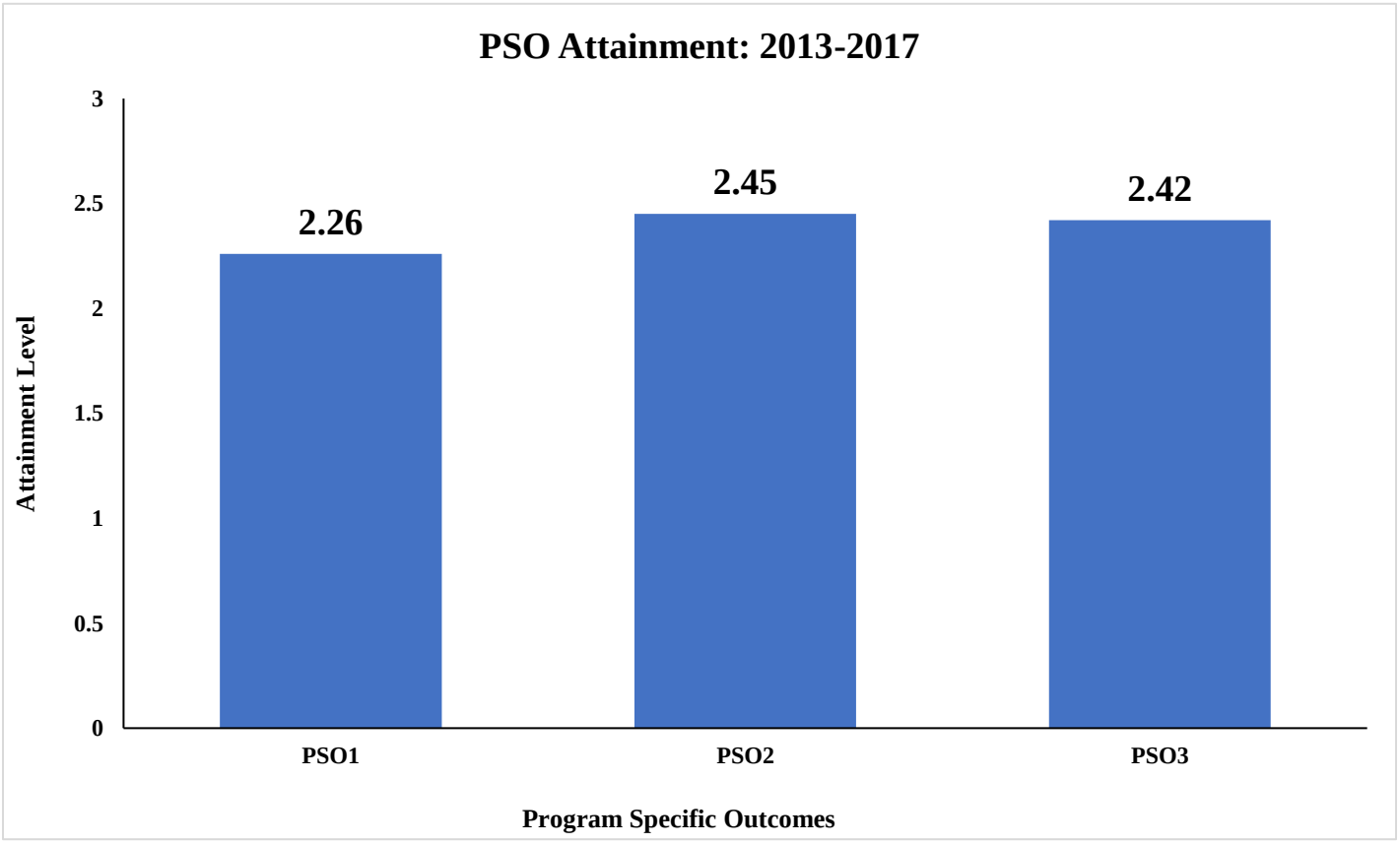

CO ATTAINMENT GRAPH (2013 – 2017 BATCH) - CONSOLIDATED
3
2.5
2
1.5
1
0.5
0
1.59 2.91 1.56 1.78 1.82 2.5 3 2.96 2.04 3 2.04 2.78 1.44 3 1.78 2.52 3 3 1.07 0.89 0.92 1.5 1.23 1.28 3 3 1.77 1.33 1.16 1.38 1.25 1.73 1.28 2.89 1.69 0.94 2.43 1.5 0.95 1.21 2.03 3 2.96 1.69 2.83 2.85 1.44 2.12 1.52 2.99 3 3 2.16 1.8 1.93 3 1.86 1.03 3 2.98 2.38 2.72 1.27 3
C101 C102 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C201 C202 C203 C204 C205 C206 C207 C208 C209 C210 C211 C212 C213 C214 C215 C216 C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C313 C314 C315E3 C316 C317 C318 C401 C402 C403 C404 C405E2 C406E2 C407 C408 C409 C410E1 C411 C412
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4
Course Code


CO ATTAINMENT GRAPH (2013 – 2017 BATCH) - CONSOLIDATED
3
2.5
2
1.5
1
0.5
0
0.89 0.92 0.94 0.95 1.03 1.07 1.16 1.21 1.23 1.25 1.27 1.28 1.28 1.33 1.38 1.44 1.44 1.5 1.5 1.52 1.56 1.59 1.69 1.69 1.73 1.77 1.78 1.78 1.8 1.82 1.86 1.93 2.03 2.04 2.04 2.12 2.16 2.38 2.43 2.5 2.52 2.72 2.78 2.83 2.85 2.89 2.91 2.96 2.96 2.98 2.99 3 3 3 3 3 3 3 3 3 3 3 3 3 3
C202 C203 C302 C305 C406E2 C201 C211 C306 C205 C213 C411 C206 C215 C210 C212 C113 C313 C204 C304 C315E3 C103 C101 C301 C310 C214 C209 C104 C115 C402 C105 C405E2 C403 C307 C111 C109 C314 C401 C409 C303 C106 C116 C410E1 C112 C311 C312 C216 C102 C108 C309 C408 C316 C110 C114 C207 C308 C317 C318 C404 C412 C107 C117 C118 C208 C407
2 2 3 3 4 2 2 3 2 2 4 2 2 2 2 1 3 2 3 3 1 1 3 3 2 2 1 1 4 1 4 4 3 1 1 4 4 4 3 1 1 4 1 3 3 2 1 1 3 4 3 1 1 2 3 3 3 4 4 1 1 1 2 4
Course Code


PO Attainment Comparison: 2009-2013, 2010-2014, 2011-2015, 2012-2016, 2013-2017
3
2.5
2
1.5
1
0.5
0
PO1 1.7 1.8 1.76 2.01 2.25
PO2 1.69 1.75 1.76 1.97 2.19
PO3 1.73 1.86 1.84 2.14 2.26
PO4 1.78 1.79 2.06 2.16 2.22
PO5 1.81 1.83 1.97 2.18 2.3
PO6 1.74 1.81 1.93 2.04 2.38
PO7 1.65 1.86 2.02 1.91 2.42
PO8 1.77 2.23 1.93 2.42 2.71
PO9 1.84 2.13 2.35 2.42 2.69
PO10 1.92 2.39 2.36 2.22 2.74
PO11 1.86 2.06 2.27 2.31 2.74
PO12 1.42 1.89 1.97 1.77 2.42
2009-2013
2010-2014
2011-2015
2012-2016
2013-2017


PSO Attainment Comparison: 2009-2013, 2010-2014, 2011-2015, 2012-2016, 2013-3017
3
2.5
2
1.5
1
0.5
0
1.69
1.82
1.79
1.98
2.26
1.78
1.93
2.16
2.24
2.45
1.8
2
2
1.89
2.42
PSO1
PSO2
PSO3
2009-2013
2010-2014
2011-2015
2012-2016
2013-2017


PO Attainment: 2013-2017
Attainment Level
3
2.5
2
1.5
1
0.5
0
2.25
2.19
2.26
2.22
2.3
2.38
2.42
2.71
2.69
2.74
2.74
2.42
PO1
PO2
PO3
PO4
PO5
PO6
PO7
PO8
PO9
PO10
PO11
PO12
Program Outcomes


PSO Attainment: 2013-2017
Attainment Level
3
2.5
2
1.5
1
0.5
0
2.26
2.45
2.42
PSO1
PSO2
PSO3
Program Specific Outcomes

KLNCE/B.E - EEE – 2013-2017 Batch – Course: HS6151 - Technical English -I: C101
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C101.1		C101.2		C101.3		C101.4		C101.5		AU
		CIT1	A1	CIT1	A1	CIT2	A2	CIT2	A2	CIT2	A3	
1	132044	64	100	64	100	93	100	93	100	88	95	80
2	132104	56	100	56	100	76	90	76	90	76	90	70
3	132064	58	100	58	100	61	95	61	95	72	90	70
4	132305	52	95	52	95	62	100	62	100	92	100	60
5	132313	51	95	51	95	70	90	70	90	80	90	60
6	132061	50	100	50	100	71	100	71	100	72	95	50
7	132103	56	100	56	100	83	90	83	90	88	95	70
8	132306	76	95	76	95	88	90	88	90	92	100	80
9	132070	51	95	51	95	53	95	53	95	88	95	0
10	132053	63	100	63	100	84	100	84	100	92	95	70
11	132062	50	95	50	95	63	95	63	95	80	95	70
12	132011	59	100	59	100	92	95	92	95	92	100	80
13	132027	68	100	68	100	89	100	89	100	88	95	70
14	132303	59	100	59	100	92	100	92	100	92	95	80
15	132014	63	95	63	95	83	90	83	90	92	100	70
16	132043	71	100	71	100	95	95	95	95	88	100	80
17	132310	69	100	69	100	69	95	69	95	96	100	60
18	132041	60	100	60	100	89	100	89	100	90	95	80
19	132007	81	100	81	100	96	95	96	95	88	100	80
20	132058	58	100	58	100	72	95	72	95	74	90	50
21	132003	78	95	78	95	97	100	97	100	98	95	90
22	132066	51	95	51	95	52	100	52	100	68	95	50
23	132073	85	95	85	95	76	95	76	95	86	100	70
24	132067	50	95	50	95	71	100	71	100	84	95	60
25	132045	61	100	61	100	93	100	93	100	86	95	80
26	132008	50	100	50	100	52	95	52	95	68	95	50
27	132040	72	100	72	100	68	100	68	100	92	100	80
28	132018	52	100	52	100	62	95	62	95	78	100	70
29	132033	56	95	56	95	77	95	77	95	72	100	50
30	132016	77	100	77	100	90	95	90	95	96	100	80
31	132050	58	100	58	100	65	100	65	100	92	95	60

32	132012	77	100	77	100	82	95	82	95	92	100	70
33	132069	52	100	52	100	63	95	63	95	68	95	50
34	132054	58	100	58	100	78	95	78	95	84	100	60
35	132052	75	100	75	100	84	100	84	100	84	95	90
36	132063	74	100	74	100	74	100	74	100	94	90	70
37	132060	52	95	52	95	66	95	66	95	70	100	50
38	132302	51	100	51	100	71	100	71	100	88	95	60
39	132051	70	100	70	100	90	100	90	100	90	95	70
40	132032	62	95	62	95	70	90	70	90	86	100	60
41	132065	51	100	51	100	62	100	62	100	78	90	60
42	132071	60	95	60	95	63	90	63	90	90	100	60
43	132023	80	100	80	100	89	100	89	100	90	95	80
44	132026	76	95	76	95	96	95	96	95	90	100	90
45	132025	51	95	51	95	63	90	63	90	78	100	50
46	132046	72	100	72	100	91	100	91	100	96	90	80
47	132035	59	100	59	100	80	95	80	95	94	100	60
48	132013	51	100	51	100	76	90	76	90	86	100	60
49	132010	55	100	55	100	60	100	60	100	50	100	70
50	132038	55	95	55	95	65	100	65	100	50	95	60
51	132020	69	100	69	100	81	95	81	95	72	95	70
52	132015	52	100	52	100	69	90	69	90	52	100	70
53	132004	68	95	68	95	77	100	77	100	54	95	80
54	132005	59	95	59	95	79	100	79	100	54	100	90
55	132028	70	95	70	95	61	95	61	95	60	100	80
56	132031	65	100	65	100	89	90	89	90	62	100	70
57	132057	62	100	62	100	81	95	81	95	56	100	90
58	132056	58	100	58	100	68	100	68	100	62	100	60
59	132036	60	95	60	95	75	95	75	95	58	100	70
60	132312	52	95	52	95	55	90	55	90	50	95	70
61	132021	78	100	78	100	67	100	67	100	72	100	70
62	132001	66	100	66	100	86	100	86	100	62	95	80
63	132311	69	100	69	100	64	90	64	90	68	95	70
64	132072	50	95	50	95	50	100	50	100	50	100	50
65	132024	56	100	56	100	84	100	84	100	56	100	70
66	132068	51	95	51	95	55	100	55	100	51	95	60

67	132101	58	100	58	100	59	95	59	95	52	100	70
68	132029	57	100	57	100	85	95	85	95	76	100	70
69	132042	51	100	51	100	50	90	50	90	50	95	50
70	132049	50	100	50	100	52	100	52	100	51	95	50
71	132037	50	95	50	95	56	95	56	95	50	100	50
72	132006	71	100	71	100	60	100	60	100	78	100	70
73	132047	55	100	55	100	56	100	56	100	51	90	70
74	132059	50	95	50	95	60	95	60	95	50	95	60
75	132055	56	100	56	100	51	95	51	95	50	100	60
76	132105	50	100	50	100	59	95	59	95	50	90	60
77	132301	65	100	65	100	76	95	76	95	50	95	80
78	132048	70	95	70	95	74	100	74	100	50	90	80
79	132304	64	100	64	100	75	100	75	100	66	100	80
80	132108	50	100	50	100	55	95	55	95	50	95	50
81	132017	64	100	64	100	92	95	92	95	64	100	80
82	132307	60	100	60	100	82	95	82	95	62	100	80
83	132002	60	95	60	95	67	95	67	95	72	100	80
84	132009	56	100	56	100	70	90	70	90	66	100	80
85	132102	60	100	60	100	65	90	65	90	51	95	80
86	132022	55	100	55	100	75	100	75	100	52	95	80
87	132019	68	100	68	100	77	95	77	95	70	95	90
88	132039	54	95	54	95	59	100	59	100	50	95	50
89	132034	50	95	50	95	55	95	55	95	50	100	50
90	132107	51	100	51	100	55	95	55	95	60	95	70
91	132309	52	100	52	100	65	95	65	95	60	95	70
92	132106	50	100	50	100	55	95	55	95	50	90	0
93	132030	51	100	51	100	56	90	56	90	54	100	70
94	132308	62	100	62	100	78	100	78	100	58	90	70

Benchmark	**C101.1**		**C101.2**		**C101.3**		**C101.4**		**C101.5**		**AU**
	CIT1	**A1**	**CIT1**	**A1**	**CIT2**	**A2**	**CIT2**	**A2**	**CIT3**	**A3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	44.68	100	44.68	100	79.79	100	79.79	100	69.15	100	62.77
Level Obtained	0	3	0	3	2	3	2	3	1	3	1

Survey:

Survey	C101.1	C101.2	C101.3	C101.4	C101.5
Obtained Percentage	85.9	86.22	81.9	86.07	85
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C101:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C101.1	0	3	0.9	1	0.96	3	1.37
C101.2	0	3	0.9	1	0.96	3	1.37
C101.3	2	3	2.3	1	1.52	3	1.82
C101.4	2	3	2.3	1	1.52	3	1.82
C101.5	1	3	1.6	1	1.24	3	1.59
C101							**1.59**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C101.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C101.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C101.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C101.4	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C101.5	AU Exam	[0.7*Internal Test + 0.3*Assignment]

Overall Attainment:

$$C101 = \frac{C101.1 + C101.2 + C101.3 + C101.4 + C101.5}{5} = 1.59$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: MA6151 - Mathematics -I: C102
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C102.1		C102.2		C102.3		C102.4		C102.5	AU
		CIT1	A1	CIT1	A1	CIT2	A2	CIT2	A2	CIT3	
1	132044	86	80	86	80	99	80	99	80	99	90
2	132104	82	80	82	80	98	80	98	80	93	90
3	132064	52	90	52	90	87	0	87	0	70	80
4	132305	32	90	32	90	70	80	70	80	70	60
5	132313	42	90	42	90	73	80	73	80	70	60
6	132061	66	90	66	90	84	80	84	80	93	50
7	132103	84	90	84	90	91	80	91	80	87	80
8	132306	76	80	76	80	99	80	99	80	97	90
9	132070	30	80	30	80	75	80	75	80	83	60
10	132053	50	90	50	90	99	80	99	80	77	70
11	132062	58	70	58	70	95	80	95	80	85	80
12	132011	94	90	94	90	99	90	99	90	99	90
13	132027	76	80	76	80	99	90	99	90	99	100
14	132303	72	80	72	80	96	90	96	90	81	70
15	132014	74	80	74	80	99	80	99	80	99	70
16	132043	96	90	96	90	99	80	99	80	99	100
17	132310	58	90	58	90	79	0	79	0	70	50
18	132041	80	80	80	80	88	60	88	60	70	80
19	132007	76	90	76	90	99	80	99	80	99	100
20	132058	78	90	78	90	99	90	99	90	93	90
21	132003	82	90	82	90	99	90	99	90	99	90
22	132066	34	70	34	70	84	80	84	80	73	50
23	132073	76	70	76	70	99	80	99	80	99	80
24	132067	76	70	76	70	94	80	94	80	70	80
25	132045	76	80	76	80	91	80	91	80	70	80
26	132008	62	80	62	80	77	80	77	80	70	50
27	132040	96	60	96	60	99	80	99	80	99	90
28	132018	52	60	52	60	99	60	99	60	77	80
29	132033	72	70	72	70	99	90	99	90	99	90
30	132016	92	90	92	90	99	80	99	80	99	100
31	132050	78	90	78	90	99	80	99	80	91	90

32	132012	70	80	70	80	95	80	95	80	99	90
33	132069	50	70	50	70	80	70	80	70	70	50
34	132054	60	70	60	70	99	70	99	70	89	80
35	132052	90	90	90	90	99	80	99	80	85	100
36	132063	50	70	50	70	72	0	72	0	91	60
37	132060	38	90	38	90	70	80	70	80	70	0
38	132302	66	70	66	70	81	0	81	0	81	70
39	132051	94	90	94	90	95	90	95	90	91	100
40	132032	92	70	92	70	95	90	95	90	93	80
41	132065	68	80	68	80	80	80	80	80	70	50
42	132071	36	80	36	80	70	60	70	60	70	60
43	132023	94	90	94	90	99	90	99	90	99	90
44	132026	82	90	82	90	99	80	99	80	99	100
45	132025	82	70	82	70	99	80	99	80	73	90
46	132046	92	90	92	90	99	90	99	90	99	100
47	132035	82	90	82	90	98	80	98	80	99	100
48	132013	88	70	88	70	99	80	99	80	89	90
49	132010	71	100	71	100	100	100	100	100	100	90
50	132038	83	100	83	100	90	100	90	100	82	80
51	132020	90	100	90	100	100	100	100	100	100	100
52	132015	77	100	77	100	100	100	100	100	94	100
53	132004	86	100	86	100	100	100	100	100	98	100
54	132005	51	100	51	100	100	100	100	100	100	80
55	132028	82	100	82	100	100	100	100	100	98	90
56	132031	80	80	80	80	100	100	100	100	94	100
57	132057	98	100	98	100	96	100	96	100	100	80
58	132056	100	100	100	100	100	100	100	100	100	100
59	132036	90	100	90	100	100	100	100	100	100	100
60	132312	100	100	100	100	100	100	100	100	100	100
61	132021	100	100	100	100	100	100	100	100	100	100
62	132001	90	90	90	90	100	100	100	100	100	100
63	132311	88	100	88	100	98	100	98	100	94	100
64	132072	18	50	18	50	70	50	70	50	70	0
65	132024	92	100	92	100	100	100	100	100	100	100
66	132068	67	90	67	90	86	100	86	100	90	80

67	132101	94	100	94	100	100	100	100	100	82	80
68	132029	81	90	81	90	94	60	94	60	100	90
69	132042	39	90	39	90	70	100	70	100	70	50
70	132049	24	50	24	50	86	60	86	60	90	80
71	132037	93	100	93	100	100	100	100	100	100	100
72	132006	67	100	67	100	88	100	88	100	70	80
73	132047	79	90	79	90	88	100	88	100	78	90
74	132059	94	100	94	100	100	100	100	100	100	90
75	132055	93	100	93	100	100	100	100	100	98	100
76	132105	65	80	65	80	70	50	70	50	70	80
77	132301	76	90	76	90	100	100	100	100	98	100
78	132048	74	100	74	100	100	100	100	100	100	90
79	132304	85	100	85	100	100	100	100	100	100	90
80	132108	57	90	57	90	88	100	88	100	74	80
81	132017	94	100	94	100	100	100	100	100	100	100
82	132307	50	100	50	100	70	100	70	100	70	70
83	132002	97	100	97	100	100	100	100	100	98	100
84	132009	91	100	91	100	100	90	100	90	100	90
85	132102	78	100	78	100	80	100	80	100	90	80
86	132022	95	100	95	100	100	100	100	100	100	100
87	132019	100	100	100	100	100	100	100	100	100	100
88	132039	75	90	75	90	88	100	88	100	100	90
89	132034	92	100	92	100	100	100	100	100	100	80
90	132107	67	90	67	90	96	100	96	100	100	70
91	132309	40	90	40	90	82	100	82	100	100	60
92	132106	38	100	38	100	72	100	72	100	82	50
93	132030	98	90	98	90	100	100	100	100	94	80
94	132308	81	100	81	100	100	100	100	100	94	90

Benchmark	**C102.1**		**C102.2**		**C102.3**		**C102.4**		**C102.5**	**AU**
	CIT1	**A1**	**CIT1**	**A1**	**CIT2**	**A2**	**CIT2**	**A2**	**CIT3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	77.66	82.98	77.66	82.98	100	86.17	100	86.17	100	82.98
Level Obtained	2	3	2	3	3	3	3	3	3	3

Survey:

Survey	C102.1	C102.2	C102.3	C102.4	C102.5
Obtained Percentage	98.65	96.28	95.94	97.31	95.34
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C102:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C102.1	2	3	2.3	3	2.72	3	2.78
C102.2	2	3	2.3	3	2.72	3	2.78
C102.3	3	3	3	3	3	3	3
C102.4	3	3	3	3	3	3	3
C102.5	3	-	3	3	3	3	3
C102							**2.91**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C102.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C102.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C102.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C102.4	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C102.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C102 = \frac{C102.1 + C102.2 + C102.3 + C102.4 + C102.5}{5} = 2.91$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: Ph6161 - Engineering Physics -I: C103
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C103.1		C103.2	C103.3		C103.4	C103.5	AU
		CIT1	A1	CIT1	CIT2	A2	CIT2	CIT2	
1	132044	96	100	96	97	100	97	96	70
2	132104	94	90	94	90	100	90	94	70
3	132064	85	100	85	76	100	76	78	0
4	132305	85	100	85	70	100	70	74	0
5	132313	81	100	81	79	100	79	70	0
6	132061	94	100	94	90	100	90	96	50
7	132103	95	100	95	90	100	90	86	50
8	132306	94	100	94	85	100	85	90	0
9	132070	85	100	85	75	100	75	70	0
10	132053	90	100	90	91	100	91	75	0
11	132062	89	100	89	83	100	83	74	50
12	132011	96	100	96	99	100	99	98	70
13	132027	96	100	96	99	100	99	99	50
14	132303	98	100	98	99	90	99	99	50
15	132014	90	100	90	82	90	82	99	50
16	132043	95	100	95	98	100	98	98	50
17	132310	86	100	86	75	100	75	70	0
18	132041	89	100	89	78	100	78	78	0
19	132007	96	100	96	99	90	99	99	60
20	132058	99	100	99	89	90	89	74	0
21	132003	99	100	99	99	90	99	99	80
22	132066	85	100	85	77	100	77	70	0
23	132073	94	100	94	90	100	90	98	50
24	132067	85	100	85	77	100	77	70	0
25	132045	87	100	87	88	100	88	75	0
26	132008	85	100	85	70	90	70	70	0
27	132040	94	100	94	91	100	91	80	80
28	132018	84	100	84	89	100	89	80	50
29	132033	89	100	89	91	100	91	72	0
30	132016	95	100	95	90	100	90	96	60
31	132050	87	100	87	96	90	96	70	50

32	132012	94	100	94	87	90	87	96	70
33	132069	85	100	85	70	90	70	72	0
34	132054	93	100	93	87	100	87	70	0
35	132052	94	100	94	82	90	82	99	70
36	132063	84	100	84	89	100	89	77	50
37	132060	85	90	85	70	90	70	70	0
38	132302	87	100	87	71	100	71	80	0
39	132051	94	100	94	96	100	96	98	50
40	132032	85	100	85	88	100	88	73	50
41	132065	85	90	85	70	100	70	70	0
42	132071	85	100	85	76	90	76	70	0
43	132023	94	100	94	99	100	99	99	70
44	132026	99	100	99	99	100	99	98	70
45	132025	89	100	89	91	100	91	86	50
46	132046	96	100	96	99	100	99	98	80
47	132035	85	100	85	94	100	94	98	50
48	132013	90	100	90	84	100	84	93	0
49	132010	85	100	85	98	100	98	96	60
50	132038	81	100	81	79	100	79	70	0
51	132020	94	100	94	96	100	96	92	70
52	132015	90	100	90	86	100	86	86	80
53	132004	93	100	93	80	100	80	96	70
54	132005	96	100	96	77	100	77	74	50
55	132028	94	100	94	87	100	87	99	70
56	132031	90	100	90	92	100	92	88	60
57	132057	94	100	94	97	100	97	84	50
58	132056	86	100	86	99	100	99	99	80
59	132036	96	100	96	97	100	97	96	80
60	132312	92	100	92	93	100	93	98	60
61	132021	96	100	96	91	100	91	99	90
62	132001	92	100	92	99	100	99	99	70
63	132311	92	100	92	76	100	76	74	0
64	132072	75	100	75	50	100	50	69	0
65	132024	93	100	93	98	100	98	94	90
66	132068	80	100	80	93	100	93	99	50

67	132101	89	100	89	93	100	93	76	50
68	132029	90	100	90	99	100	99	81	50
69	132042	85	100	85	71	100	71	69	0
70	132049	84	100	84	75	100	75	70	0
71	132037	85	100	85	93	100	93	86	50
72	132006	91	100	91	90	100	90	92	50
73	132047	93	100	93	98	100	98	96	50
74	132059	88	100	88	92	100	92	92	70
75	132055	87	100	87	86	100	86	74	50
76	132105	85	100	85	83	100	83	70	50
77	132301	95	100	95	93	100	93	99	80
78	132048	91	100	91	89	100	89	96	70
79	132304	97	100	97	90	100	90	99	80
80	132108	85	100	85	77	100	77	70	50
81	132017	95	100	95	94	100	94	96	80
82	132307	85	100	85	71	100	71	69	0
83	132002	93	100	93	87	100	87	96	50
84	132009	89	100	89	91	100	91	92	70
85	132102	89	100	89	84	100	84	99	70
86	132022	96	100	96	99	100	99	99	70
87	132019	92	100	92	94	100	94	96	80
88	132039	90	100	90	99	100	99	96	50
89	132034	88	100	88	83	100	83	71	50
90	132107	88	100	88	90	100	90	96	0
91	132309	88	100	88	92	100	92	90	50
92	132106	90	100	90	75	100	75	72	50
93	132030	89	100	89	78	100	78	96	50
94	132308	87	100	87	85	100	85	76	50

Benchmark	**C103.1**		**C103.2**	**C103.3**		**C103.4**	**C103.5**	**AU**
	CIT1	**A1**	**CIT1**	**CIT2**	**A2**	**CIT2**	**CIT3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	100	100	100	98.94	100	98.94	100	29.79
Level Obtained	3	3	3	3	3	3	3	0

Survey:

Survey	C103.1	C103.2	C103.3	C103.4	C103.5
Obtained Percentage	93.71	91.17	93.38	90.56	89.77
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C103:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C103.1	3	3	3	0	1.2	3	1.56
C103.2	3	-	3	0	1.2	3	1.56
C103.3	3	3	3	0	1.2	3	1.56
C103.4	3	-	3	0	1.2	3	1.56
C103.5	3	-	3	0	1.2	3	1.56
C103							**1.56**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C103.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C103.2	AU Exam	[1*Internal Test]
C103.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C103.4	AU Exam	[1*Internal Test]
C103.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C103 = \frac{C103.1 + C103.2 + C103.3 + C103.4 + C103.5}{5} = \mathbf{1.56}$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: Engineering Chemistry -I: C104
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C104.1	C104.2		C104.3	C104.4	C104.5		AU
		CIT1	CIT1	A1	CIT2	CIT2	CIT3	A2	
1	132044	100	100	100	100	100	100	100	80
2	132104	73	73	100	78	78	88	100	0
3	132064	65	65	80	50	50	50	100	50
4	132305	53	53	60	30	30	50	80	50
5	132313	50	50	80	64	64	64	100	0
6	132061	79	79	100	96	96	90	100	70
7	132103	68	68	100	82	82	90	80	70
8	132306	74	74	100	84	84	94	100	90
9	132070	50	50	100	67	67	64	100	0
10	132053	82	82	100	88	88	72	100	60
11	132062	57	57	100	81	81	74	100	60
12	132011	96	96	100	100	100	100	100	90
13	132027	97	97	100	99	99	100	100	80
14	132303	91	91	100	99	99	88	100	80
15	132014	42	42	100	56	56	72	100	70
16	132043	89	89	100	98	98	100	100	90
17	132310	21	21	60	26	26	54	80	50
18	132041	82	82	100	50	50	68	80	70
19	132007	88	88	100	99	99	98	100	80
20	132058	84	84	100	96	96	100	100	70
21	132003	98	98	100	98	98	100	100	80
22	132066	51	51	100	50	50	52	80	0
23	132073	92	92	100	75	75	80	100	60
24	132067	53	53	100	55	55	72	80	0
25	132045	77	77	100	80	80	78	100	80
26	132008	33	33	100	63	63	36	80	0
27	132040	88	88	100	97	97	94	100	80
28	132018	50	50	100	83	83	52	100	50
29	132033	51	51	100	78	78	60	100	50
30	132016	100	100	100	92	92	90	100	80
31	132050	97	97	100	98	98	92	100	70
32	132012	89	89	100	98	98	98	100	90
33	132069	60	60	100	50	50	60	80	0
34	132054	72	72	100	81	81	74	100	50
35	132052	93	93	100	97	97	94	100	80
36	132063	74	74	100	56	56	70	100	0
37	132060	54	54	80	39	39	50	80	0
38	132302	54	54	80	70	70	58	80	50
39	132051	88	88	100	82	82	58	100	80
40	132032	72	72	100	65	65	78	100	50
41	132065	42	42	100	80	80	90	100	0
42	132071	40	40	80	50	50	64	80	50
43	132023	96	96	100	100	100	98	100	80
44	132026	92	92	100	91	91	96	100	80
45	132025	92	92	100	74	74	82	100	70
46	132046	84	84	100	95	95	98	100	90
47	132035	86	86	100	87	87	94	100	90
48	132013	74	74	100	87	87	62	100	80
49	132010	100	100	70	AA	AA	98	100	80
50	132038	66	66	80	49	49	88	100	50
51	132020	92	92	80	90	90	96	100	90
52	132015	83	83	90	71	71	80	100	80

53	132004	85	85	80	66	66	92	100	80
54	132005	87	87	80	92	92	94	100	80
55	132028	99	99	70	81	81	96	100	80
56	132031	85	85	80	78	78	62	100	70
57	132057	92	92	80	95	95	98	100	90
58	132056	100	100	70	91	91	94	100	90
59	132036	96	96	80	94	94	92	100	80
60	132312	92	92	70	85	85	88	100	80
61	132021	94	94	80	99	99	96	100	90
62	132001	99	99	70	96	96	100	100	90
63	132311	90	90	50	57	57	88	100	70
64	132072	32	32	50	37	37	40	100	0
65	132024	99	99	80	96	96	92	100	90
66	132068	78	78	70	80	80	84	100	90
67	132101	73	73	70	79	79	90	100	50
68	132029	93	93	70	91	91	82	100	80
69	132042	4	24	50	34	34	48	100	0
70	132049	80	80	50	76	76	80	80	50
71	132037	86	86	70	91	91	68	100	60
72	132006	92	92	80	93	93	98	100	70
73	132047	90	90	80	93	93	88	100	70
74	132059	95	95	90	85	85	94	100	70
75	132055	85	85	70	74	74	86	100	90
76	132105	79	79	70	58	58	90	100	70
77	132301	92	92	80	91	91	74	100	80
78	132048	75	75	70	86	86	80	100	80
79	132304	82	82	80	AA	AA	98	100	80
80	132108	20	20	70	65	65	52	100	70
81	132017	94	94	80	98	98	92	100	90
82	132307	68	68	80	46	46	72	100	50
83	132002	89	89	90	78	78	86	100	80
84	132009	95	95	70	55	55	98	100	90
85	132102	87	87	70	79	79	90	100	80
86	132022	90	90	80	94	94	100	100	80
87	132019	99	99	80	96	96	100	100	90
88	132039	87	87	80	97	97	94	100	70
89	132034	75	75	70	70	70	80	100	70
90	132107	86	86	70	83	83	88	100	70
91	132309	63	63	80	65	65	88	100	60
92	132106	50	50	70	37	37	90	100	0
93	132030	95	95	70	83	83	82	100	50
94	132308	68	68	70	58	58	76	100	70

Benchmark	**C104.1**	**C104.2**		**C104.3**	**C104.4**	**C104.5**		**AU**
	CIT1	**CIT1**	**A1**	**CIT2**	**CIT2**	**CIT3**	**A2**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	79.79	79.79	72.34	78.26	78.26	87.23	100	65.96
Level Obtained	2	2	2	2	2	3	3	1

Survey:

Survey	C104.1	C104.2	C104.3	C104.4	C104.5
Obtained Percentage	96.63	96.71	95.79	95.51	95.78
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C104:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C104.1	2	-	2	1	1.4	3	1.72
C104.2	2	2	2	1	1.4	3	1.72
C104.3	2	-	2	1	1.4	3	1.72
C104.4	2	-	2	1	1.4	3	1.72
C104.5	3	3	3	1	1.8	3	2.04
C104							**1.78**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C104.1	AU Exam	[1*Internal Test]
C104.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C104.3	AU Exam	[1*Internal Test]
C104.4	AU Exam	[1*Internal Test]
C104.5	AU Exam	[0.7*Internal Test + 0.3*Assignment]

Overall Attainment:

$$C104 = \frac{C104.1 + C104.2 + C104.3 + C104.4 + C104.5}{5} = 1.78$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6151 - Computer Programming: C105
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C105.1		C105.2		C105.3	C105.4	C105.5	AU
		CIT1	A1	CIT1	A2	CIT2	CIT2	CIT3	
1	132044	80	100	80	100	88	88	76	70
2	132104	51	100	51	100	54	54	74	50
3	132064	10	100	10	100	36	36	60	60
4	132305	50	100	50	100	22	22	54	50
5	132313	50	100	50	100	55	55	56	50
6	132061	65	100	65	100	65	65	76	50
7	132103	60	100	60	100	73	73	84	70
8	132306	86	100	86	100	87	87	94	70
9	132070	16	100	16	100	30	30	54	0
10	132053	90	100	90	100	71	71	82	70
11	132062	50	100	50	100	50	50	80	50
12	132011	93	100	93	100	88	88	96	80
13	132027	66	100	66	100	81	81	92	50
14	132303	78	100	78	100	78	78	88	50
15	132014	72	100	72	100	56	56	84	70
16	132043	80	100	80	100	92	92	84	80
17	132310	60	100	60	100	70	70	50	50
18	132041	70	100	70	100	70	70	54	50
19	132007	58	100	58	100	70	70	84	80
20	132058	65	100	65	100	87	87	92	80
21	132003	91	100	91	100	90	90	100	90
22	132066	50	100	50	100	37	37	50	50
23	132073	64	100	64	100	64	64	70	70
24	132067	50	100	50	100	73	73	61	50
25	132045	50	100	50	100	64	64	76	50
26	132008	50	100	50	100	52	52	50	70
27	132040	87	100	87	100	96	96	86	90
28	132018	50	100	50	100	50	50	58	50
29	132033	60	100	60	100	74	74	72	80
30	132016	AA	100	AA	100	98	98	100	80
31	132050	50	100	50	100	80	80	74	50
32	132012	83	100	83	100	77	77	82	70
33	132069	50	100	50	100	50	50	72	50
34	132054	50	100	50	100	54	54	100	50
35	132052	66	100	66	100	66	66	92	60
36	132063	50	100	50	100	57	57	54	50
37	132060	50	100	50	100	22	22	50	50
38	132302	50	100	50	100	25	25	50	50
39	132051	65	100	65	100	94	94	86	70
40	132032	70	100	70	100	83	83	68	70
41	132065	50	100	50	100	64	64	66	50
42	132071	21	100	21	100	32	32	62	0
43	132023	94	100	94	100	100	100	100	80
44	132026	90	100	90	100	80	80	84	90
45	132025	54	100	54	100	54	54	76	50
46	132046	80	100	80	100	91	91	66	70
47	132035	80	100	80	100	84	84	92	70
48	132013	67	100	67	100	50	50	92	70

49	132010	78	90	78	90	74	74	96	70
50	132038	72	80	72	80	88	88	92	60
51	132020	90	80	90	90	94	94	100	70
52	132015	90	80	90	90	88	88	92	80
53	132004	90	80	90	90	92	92	96	90
54	132005	94	80	94	80	90	90	100	80
55	132028	76	80	76	80	90	90	100	80
56	132031	92	90	92	90	90	90	94	80
57	132057	90	80	90	90	88	88	100	80
58	132056	80	80	80	90	98	98	96	90
59	132036	98	80	98	90	100	100	100	90
60	132312	75	80	75	90	92	92	100	70
61	132021	96	90	96	90	100	100	100	80
62	132001	96	80	96	90	96	96	100	90
63	132311	74	80	74	90	60	60	88	80
64	132072	70	80	70	90	50	50	88	0
65	132024	92	80	92	80	96	96	100	90
66	132068	74	80	74	90	78	78	98	60
67	132101	74	80	74	90	94	94	90	80
68	132029	82	80	82	90	74	74	88	80
69	132042	70	80	70	90	60	60	88	0
70	132049	72	80	72	80	68	68	91	50
71	132037	72	80	72	80	84	84	100	70
72	132006	90	80	90	90	90	90	96	60
73	132047	94	80	94	90	82	82	100	90
74	132059	85	80	85	90	98	98	100	80
75	132055	92	80	92	90	70	70	92	70
76	132105	76	80	76	90	60	60	90	50
77	132301	80	80	80	80	94	94	96	80
78	132048	78	80	78	90	88	88	91	80
79	132304	90	80	90	90	86	86	100	80
80	132108	70	90	70	90	70	70	96	50
81	132017	96	80	96	90	90	90	100	80
82	132307	90	80	90	90	60	60	93	70
83	132002	90	80	90	90	80	80	100	80
84	132009	86	80	86	90	94	94	96	80
85	132102	78	80	78	90	88	88	100	70
86	132022	74	80	74	90	92	92	100	70
87	132019	96	80	96	90	88	88	100	80
88	132039	80	80	80	80	90	90	100	80
89	132034	82	80	82	80	70	70	88	80
90	132107	74	80	74	90	80	80	95	70
91	132309	76	80	76	90	84	84	100	50
92	132106	72	80	72	90	72	72	90	60
93	132030	76	80	76	90	70	70	95	70
94	132308	94	90	94	90	98	98	96	80

Benchmark	C105.1		C105.2		C105.3	C105.4	C105.5	AU
	CIT1	A1	CIT1	A2	CIT2	CIT2	CIT3	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	77.42	100	77.42	100	79.79	79.79	88.3	62.77
Level Obtained	2	3	2	3	2	2	3	1

Survey:

Survey	C105.1	C105.2	C105.3	C105.4	C105.5
Obtained Percentage	96.29	96.86	95.52	94.76	92.97
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C105:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C105.1	2	3	2.3	1	1.52	3	1.82
C105.2	2	3	2.3	1	1.52	3	1.82
C105.3	2	-	2	1	1.4	3	1.72
C105.4	2	-	2	1	1.4	3	1.72
C105.5	3	-	3	1	1.8	3	2.04
C105							**1.82**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C105.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C105.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C105.3	AU Exam	[1*Internal Test]
C105.4	AU Exam	[1*Internal Test]
C105.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C105 = \frac{C105.1 + C105.2 + C105.3 + C105.4 + C105.5}{5} = 1.82$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6152 - Engineering Graphics: C106
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C106.1		C106.2		C106.3	C106.4	C106.5	AU
		CIT1	A1	CIT1	A2	CIT2	CIT2	CIT3	
1	132044	100	90	100	90	82	82	100	80
2	132104	100	80	100	90	98	98	100	90
3	132064	70	90	70	90	74	74	90	0
4	132305	50	90	50	90	62	62	85	50
5	132313	50	90	50	80	82	82	88	50
6	132061	52	90	52	80	80	80	94	50
7	132103	80	90	80	90	72	72	100	70
8	132306	92	80	92	80	86	86	100	70
9	132070	86	70	86	80	84	84	100	70
10	132053	100	70	100	90	90	90	100	90
11	132062	50	80	50	90	84	84	88	80
12	132011	98	90	98	90	90	90	100	0
13	132027	98	70	98	90	90	90	100	80
14	132303	92	90	92	80	90	90	100	80
15	132014	90	90	90	80	64	64	96	70
16	132043	96	90	96	90	86	86	98	90
17	132310	52	80	52	80	90	90	96	70
18	132041	90	70	90	80	84	84	100	50
19	132007	72	90	72	90	74	74	92	70
20	132058	100	70	100	70	94	94	100	70
21	132003	92	90	92	90	98	98	100	70
22	132066	50	90	50	90	86	86	95	50
23	132073	90	90	90	90	94	94	100	70
24	132067	50	80	50	90	84	84	85	50
25	132045	94	90	94	90	92	92	96	60
26	132008	82	90	82	90	80	80	95	50
27	132040	98	90	98	80	68	68	97	60
28	132018	68	90	68	80	62	62	85	70
29	132033	76	90	76	90	80	80	98	70
30	132016	100	80	100	80	94	94	100	70
31	132050	76	70	76	80	74	74	100	70
32	132012	76	70	76	90	86	86	94	80
33	132069	68	80	68	90	76	76	98	0
34	132054	94	90	94	90	92	92	98	70
35	132052	78	70	78	90	90	90	100	90
36	132063	40	90	40	80	82	82	96	50
37	132060	50	90	50	80	90	90	95	0
38	132302	58	90	58	90	70	70	80	50
39	132051	100	80	100	80	94	94	100	90
40	132032	92	70	92	80	90	90	100	50
41	132065	51	90	51	90	88	88	100	0
42	132071	50	70	50	70	74	74	95	0
43	132023	88	90	88	90	92	92	100	50
44	132026	100	90	100	90	92	92	100	80
45	132025	100	90	100	90	92	92	100	70
46	132046	100	70	100	70	94	94	100	80
47	132035	66	90	66	90	86	86	100	70
48	132013	80	90	80	90	80	80	96	0
49	132010	70	90	70	80	78	78	88	70
50	132038	96	90	96	90	80	80	96	70
51	132020	98	90	98	80	84	84	100	90
52	132015	96	90	96	90	92	92	100	90
53	132004	92	80	92	80	90	90	92	60

54	132005	82	70	82	80	62	62	96	80
55	132028	86	90	86	90	94	94	92	90
56	132031	86	80	86	90	88	88	100	70
57	132057	92	90	92	90	92	92	96	90
58	132056	92	90	92	90	98	98	96	100
59	132036	100	90	100	80	86	86	96	100
60	132312	100	90	100	80	94	94	96	90
61	132021	100	90	100	90	98	98	96	90
62	132001	96	80	96	80	84	84	96	70
63	132311	52	70	52	80	86	86	100	80
64	132072	50	60	50	70	62	62	92	70
65	132024	100	90	100	90	96	96	96	100
66	132068	90	90	90	90	92	92	96	70
67	132101	96	90	96	90	90	90	100	90
68	132029	80	90	80	80	86	86	100	70
69	132042	56	70	56	80	56	56	92	70
70	132049	30	60	30	80	72	72	96	50
71	132037	80	80	80	80	90	90	92	70
72	132006	80	70	80	80	92	92	96	90
73	132047	94	90	94	90	78	78	100	60
74	132059	92	80	92	90	74	74	96	80
75	132055	90	90	90	90	86	86	96	80
76	132105	92	90	92	90	80	80	100	60
77	132301	96	90	96	80	96	96	96	70
78	132048	98	90	98	80	96	96	96	90
79	132304	70	90	70	90	96	96	100	80
80	132108	80	80	80	80	90	90	96	70
81	132017	90	70	90	80	88	88	100	80
82	132307	74	70	74	90	56	56	92	50
83	132002	72	80	72	90	94	94	96	90
84	132009	96	90	96	90	92	92	96	100
85	132102	90	70	90	90	60	60	100	80
86	132022	80	90	80	80	94	94	96	90
87	132019	99	90	99	80	88	88	100	80
88	132039	70	90	70	90	96	96	100	70
89	132034	80	80	80	80	94	94	100	90
90	132107	72	70	72	80	86	86	88	50
91	132309	68	90	68	90	80	80	88	80
92	132106	56	70	56	70	64	64	88	50
93	132030	100	90	100	90	99	99	100	90
94	132308	94	90	94	90	86	86	96	90

Benchmark	**C106.1**		**C106.2**		**C106.3**	**C106.4**	**C106.5**	**AU**
	CIT1	**A1**	**CIT1**	**A2**	**CIT2**	**CIT2**	**CIT3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	81.91	76.6	81.91	94.68	97.87	97.87	100	71.28
Level Obtained	3	2	3	3	3	3	3	2

Survey:

Survey	C106.1	C106.2	C106.3	C106.4	C106.5
Obtained Percentage	99	96.4	97.45	94.14	93.42
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C106:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C106.1	3	2	2.7	2	2.28	3	2.42
C106.2	3	3	3	2	2.4	3	2.52
C106.3	3	-	3	2	2.4	3	2.52
C106.4	3	-	3	2	2.4	3	2.52
C106.5	3	-	3	2	2.4	3	2.52
C106							**2.5**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C106.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C106.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C106.3	AU Exam	[1*Internal Test]
C106.4	AU Exam	[1*Internal Test]
C106.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C106 = \frac{C106.1 + C106.2 + C106.3 + C106.4 + C106.5}{5} = 2.5$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6161 - Computer Practice Lab-I: C107
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C107.1		C107.2		C107.3		C107.4		C107.5		AU
		M	R	M	R	M	R	M	R	M	R	
1	132044	91	95	91	95	91	90	91	100	91	100	100
2	132104	85	95	85	100	85	90	85	95	85	100	100
3	132064	70	95	70	90	70	90	70	95	70	95	90
4	132305	85	80	85	85	85	90	85	95	85	95	90
5	132313	88	100	88	95	88	100	88	98	88	100	90
6	132061	88	95	88	100	88	90	88	95	88	100	90
7	132103	91	90	91	90	91	90	91	83	91	90	100
8	132306	92	95	92	100	92	100	92	98	92	100	100
9	132070	70	80	70	90	70	90	70	90	70	95	90
10	132053	96	95	96	100	96	90	96	93	96	100	100
11	132062	91	90	91	100	91	90	91	93	91	100	100
12	132011	92	95	92	100	92	90	92	90	92	100	100
13	132027	91	95	91	90	91	90	91	95	91	100	100
14	132303	91	95	91	90	91	90	91	93	91	100	100
15	132014	93	95	93	95	93	90	93	95	93	95	100
16	132043	91	95	91	100	91	90	91	95	91	100	100
17	132310	90	85	90	90	90	80	90	93	90	90	70
18	132041	85	95	85	95	85	90	85	93	85	95	90
19	132007	98	95	98	100	98	90	98	95	98	100	100
20	132058	91	95	91	100	91	100	91	98	91	90	100
21	132003	95	95	95	100	95	90	95	95	95	100	100
22	132066	75	85	75	80	75	90	75	88	75	90	80
23	132073	85	90	85	100	85	90	85	93	85	100	90
24	132067	85	95	85	90	85	90	85	95	85	100	90
25	132045	80	95	80	100	80	90	80	98	80	100	90
26	132008	70	90	70	60	70	60	70	88	70	90	90
27	132040	91	100	91	90	91	90	91	78	91	85	100
28	132018	70	50	70	55	70	50	70	68	70	80	80
29	132033	91	100	91	95	91	90	91	95	91	90	100
30	132016	95	100	95	90	95	90	95	90	95	95	100
31	132050	91	100	91	90	91	90	91	88	91	85	100
32	132012	93	100	93	90	93	90	93	90	93	90	100
33	132069	85	100	85	100	85	90	85	90	85	90	90
34	132054	91	100	91	90	91	90	91	88	91	90	90
35	132052	92	100	92	90	92	90	92	90	92	100	90
36	132063	84	100	84	90	84	70	84	83	84	85	90
37	132060	70	100	70	85	70	80	70	88	70	90	90
38	132302	70	100	70	80	70	60	70	83	70	90	80
39	132051	91	100	91	95	91	90	91	90	91	90	100
40	132032	91	100	91	95	91	90	91	88	91	95	100
41	132065	81	100	81	90	81	80	81	90	81	90	90
42	132071	98	50	98	55	98	70	98	93	98	85	80
43	132023	92	100	92	95	92	90	92	95	92	100	100
44	132026	85	100	85	95	85	90	85	90	85	90	100
45	132025	91	100	91	95	91	100	91	93	91	90	90
46	132046	91	100	91	95	91	90	91	93	91	90	100
47	132035	85	100	85	95	85	100	85	93	85	95	100
48	132013	70	100	70	95	70	70	70	83	70	95	90
49	132010	92	90	92	90	92	90	92	90	92	90	100
50	132038	96	90	96	90	96	90	96	90	96	85	100
51	132020	97	90	97	90	97	90	97	88	97	90	100
52	132015	95	90	95	90	95	90	95	90	95	90	100
53	132004	92	90	92	90	92	90	92	85	92	90	100

54	132005	96	90	96	90	96	90	96	88	96	90	100
55	132028	94	90	94	90	94	90	94	90	94	90	100
56	132031	96	90	96	90	96	90	96	88	96	90	100
57	132057	94	90	94	90	94	90	94	88	94	90	100
58	132056	94	90	94	85	94	90	94	85	94	85	100
59	132036	98	90	98	90	98	90	98	90	98	85	100
60	132312	96	90	96	90	96	90	96	85	96	90	100
61	132021	98	85	98	90	98	90	98	88	98	90	100
62	132001	93	90	93	90	93	90	93	90	93	90	100
63	132311	85	85	85	90	85	90	85	88	85	90	90
64	132072	85	80	85	80	85	80	85	85	85	85	90
65	132024	97	90	97	90	97	90	97	90	97	90	100
66	132068	90	90	90	90	90	90	90	90	90	90	100
67	132101	92	85	92	85	92	90	92	88	92	90	100
68	132029	A	85	A	85	A	90	A	88	A	90	90
69	132042	86	85	86	85	86	90	86	88	86	90	90
70	132049	A	85	A	85	A	90	A	88	A	90	90
71	132037	96	90	96	90	96	90	96	90	96	90	100
72	132006	94	90	94	90	94	90	94	90	94	90	100
73	132047	94	90	94	90	94	90	94	90	94	90	100
74	132059	97	90	97	85	97	90	97	88	97	90	100
75	132055	86	85	86	80	86	80	86	83	86	85	90
76	132105	88	90	88	80	88	80	88	83	88	90	90
77	132301	95	90	95	90	95	90	95	88	95	85	100
78	132048	94	90	94	90	94	90	94	90	94	90	100
79	132304	97	90	97	90	97	90	97	90	97	90	100
80	132108	87	85	87	85	87	90	87	85	87	80	90
81	132017	95	90	95	90	95	90	95	90	95	90	100
82	132307	95	60	95	80	95	80	95	90	95	85	100
83	132002	92	90	92	90	92	90	92	80	92	90	100
84	132009	93	75	93	75	93	70	93	85	93	90	100
85	132102	90	90	90	90	90	90	90	90	90	90	100
86	132022	94	90	94	90	94	90	94	90	94	90	100
87	132019	91	90	91	90	91	90	91	90	91	90	100
88	132039	92	90	92	85	92	90	92	88	92	85	100
89	132034	90	75	90	80	90	70	90	85	90	90	100
90	132107	90	90	90	85	90	80	90	83	90	90	100
91	132309	96	90	96	85	96	80	96	85	96	80	90
92	132106	85	60	85	85	85	70	85	88	85	85	90
93	132030	88	90	88	85	88	90	88	85	88	80	90
94	132308	97	90	97	85	97	90	97	85	97	85	100

Benchmark	**C107.1**		**C107.2**		**C107.3**		**C107.4**		**C107.5**		**AU**
	M	**R**	**M**	**R**	**M**	**R**	**M**	**R**	**M**	**R**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	91.3	93.62	91.3	95.74	91.3	90.43	91.3	97.87	91.3	100	94.68
Level Obtained	3	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	C107.1	C107.2	C107.3	C107.4	C107.5
Obtained Percentage	97.47	95.55	97.79	96.57	94.34
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C107:

Course	Internal Test	R	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C107.1	3	3	3	3	3	3	3
C107.2	3	3	3	3	3	3	3
C107.3	3	3	3	3	3	3	3
C107.4	3	3	3	3	3	3	3
C107.5	3	3	3	3	3	3	3
C107							**3**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C107.1	AU Exam	[0.7*Model Exam] +[0.3*R]
C107.2	AU Exam	[0.7*Model Exam] +[0.3*R]
C107.3	AU Exam	[0.7*Model Exam] +[0.3*R]
C107.4	AU Exam	[0.7*Model Exam] +[0.3*R]
C107.5	AU Exam	[0.7*Model Exam] +[0.3*R]

Overall Attainment:

$$C107 = \frac{C107.1 + C107.2 + C107.3 + C107.4 + C107.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6162 - Engineering Practices Lab: C108
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C108.1		C108.2		C108.3		C108.4		C108.5		AU
		M	R	M	R	M	R	M	R	M	R	
1	132044	94	93	94	85	94	75	94	80	94	85	100
2	132104	94	93	94	90	94	85	94	85	94	90	100
3	132064	93	93	93	65	93	50	93	60	93	65	80
4	132305	91	75	91	65	91	80	91	80	91	80	90
5	132313	91	93	91	50	91	55	91	65	91	70	90
6	132061	94	98	94	90	94	85	94	85	94	90	90
7	132103	91	95	91	75	91	75	91	85	91	85	90
8	132306	92	98	92	90	92	80	92	90	92	85	90
9	132070	92	93	92	90	92	75	92	75	92	80	90
10	132053	92	95	92	85	92	85	92	85	92	80	90
11	132062	93	95	93	90	93	85	93	85	93	85	90
12	132011	92	98	92	90	92	90	92	90	92	90	90
13	132027	93	90	93	85	93	85	93	80	93	85	100
14	132303	91	88	91	85	91	85	91	80	91	85	100
15	132014	94	88	94	85	94	85	94	80	94	75	90
16	132043	95	95	95	90	95	85	95	90	95	90	100
17	132310	94	70	94	65	94	70	94	75	94	75	100
18	132041	92	98	92	90	92	85	92	80	92	80	90
19	132007	94	85	94	75	94	50	94	65	94	80	100
20	132058	92	90	92	90	92	80	92	80	92	90	90
21	132003	92	95	92	95	92	85	92	80	92	85	100
22	132066	93	55	93	80	93	60	93	70	93	70	90
23	132073	93	88	93	90	93	80	93	80	93	85	90
24	132067	90	55	90	80	90	60	90	70	90	70	90
25	132045	93	73	93	65	93	70	93	75	93	85	90
26	132008	91	58	91	50	91	60	91	70	91	80	90
27	132040	92	73	92	65	92	80	92	80	92	80	90
28	132018	91	70	91	50	91	60	91	60	91	70	90
29	132033	94	90	94	95	94	90	94	85	94	85	90
30	132016	90	88	90	90	90	85	90	85	90	90	90
31	132050	93	90	93	90	93	85	93	85	93	85	100
32	132012	95	90	95	95	95	90	95	80	95	85	100
33	132069	94	68	94	75	94	75	94	70	94	80	90
34	132054	93	83	93	85	93	75	93	75	93	80	90
35	132052	93	90	93	95	93	90	93	80	93	90	100
36	132063	91	70	91	65	91	70	91	70	91	75	90
37	132060	90	83	90	90	90	85	90	70	90	80	100
38	132302	94	83	94	90	94	85	94	75	94	70	90
39	132051	94	90	94	95	94	90	94	80	94	80	100
40	132032	92	90	92	90	92	75	92	70	92	85	90
41	132065	94	70	94	60	94	65	94	80	94	80	90
42	132071	91	75	91	50	91	60	91	70	91	70	90
43	132023	91	88	91	95	91	90	91	85	91	85	90
44	132026	92	88	92	85	92	85	92	85	92	90	100
45	132025	93	78	93	85	93	70	93	70	93	80	100
46	132046	93	88	93	95	93	95	93	90	93	90	90
47	132035	92	88	92	90	92	85	92	80	92	90	90
48	132013	93	70	93	65	93	70	93	75	93	80	90
49	132010	94	88	94	90	94	90	94	90	94	90	100
50	132038	96	90	96	90	96	90	96	90	96	85	90
51	132020	97	90	97	90	97	85	97	90	97	90	90
52	132015	96	88	96	90	96	90	96	90	96	90	100
53	132004	93	90	93	90	93	85	93	85	93	90	100

54	132005	93	90	93	90	93	85	93	90	93	90	100
55	132028	93	90	93	90	93	90	93	90	93	90	100
56	132031	94	90	94	90	94	90	94	85	94	90	90
57	132057	96	90	96	90	96	85	96	90	96	90	100
58	132056	95	88	95	90	95	85	95	85	95	85	100
59	132036	98	90	98	90	98	90	98	90	98	85	100
60	132312	96	90	96	90	96	85	96	85	96	90	100
61	132021	97	88	97	90	97	85	97	90	97	90	100
62	132001	92	90	92	90	92	90	92	90	92	90	100
63	132311	95	88	95	90	95	85	95	90	95	90	100
64	132072	91	80	91	80	91	90	91	80	91	85	100
65	132024	93	90	93	90	93	90	93	90	93	90	100
66	132068	94	90	94	90	94	90	94	90	94	90	100
67	132101	93	88	93	85	93	85	93	90	93	90	90
68	132029	92	88	92	85	92	85	92	90	92	90	100
69	132042	89	88	89	85	89	85	89	90	89	90	90
70	132049	90	88	90	85	90	85	90	90	90	90	90
71	132037	93	90	93	90	93	90	93	90	93	90	100
72	132006	95	90	95	90	95	90	95	90	95	90	100
73	132047	95	90	95	90	95	90	95	90	95	90	100
74	132059	94	85	94	90	94	90	94	85	94	90	100
75	132055	92	88	92	75	92	85	92	80	92	85	90
76	132105	93	88	93	80	93	85	93	80	93	90	100
77	132301	98	90	98	90	98	90	98	85	98	85	100
78	132048	96	90	96	90	96	90	96	90	96	90	90
79	132304	94	90	94	90	94	90	94	90	94	90	90
80	132108	92	88	92	85	92	85	92	85	92	80	90
81	132017	95	90	95	90	95	90	95	90	95	90	100
82	132307	91	70	91	85	91	90	91	90	91	85	90
83	132002	94	90	94	90	94	90	94	70	94	90	100
84	132009	94	75	94	75	94	90	94	80	94	90	100
85	132102	94	90	94	90	94	90	94	90	94	90	90
86	132022	94	90	94	90	94	90	94	90	94	90	90
87	132019	94	90	94	90	94	90	94	90	94	90	100
88	132039	93	88	93	90	93	90	93	85	93	85	100
89	132034	91	80	91	70	91	85	91	85	91	90	100
90	132107	90	90	90	80	90	80	90	85	90	90	90
91	132309	91	88	91	80	91	90	91	80	91	80	100
92	132106	91	70	91	80	91	85	91	90	91	85	90
93	132030	94	88	94	85	94	90	94	80	94	80	100
94	132308	96	90	96	85	96	90	96	80	96	85	100

Benchmark	**C108.1**		**C108.2**		**C108.3**		**C108.4**		**C108.5**		**AU**
	M	**R**	**M**	**R**	**M**	**R**	**M**	**R**	**M**	**R**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	100	81.91	100	80.85	100	78.72	100	78.72	100	89.36	98.94
Level Obtained	3	3	3	3	3	2	3	2	3	3	3

Survey:

Survey	C108.1	C108.2	C108.3	C108.4	C108.5
Obtained Percentage	97.18	89.44	92.52	89.11	89.67
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C108:

Course	Internal Test	Record R	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C108.1	3	3	3	3	3	3	3
C108.2	3	3	3	3	3	3	3
C108.3	3	2	2.7	3	2.88	3	2.904
C108.4	3	2	2.7	3	2.88	3	2.904
C108.5	3	3	3	3	3	3	3
C108							**2.962**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C108.1	AU Exam	[0.7*Model Exam] + [0.3*R]
C108.2	AU Exam	[0.7*Model Exam] + [0.3*R]
C108.3	AU Exam	[0.7*Model Exam] + [0.3*R]
C108.4	AU Exam	[0.7*Model Exam] + [0.3*R]
C108.5	AU Exam	[0.7*Model Exam] + [0.3*R]

Overall Attainment:

$$C108 = \frac{C108.1 + C108.2 + C108.3 + C108.4 + C108.5}{5} = 2.962$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6163 – Physics & Chemistry Lab1: C109
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C109.1	C109.2	C109.3	C109.4	C109.5	AU
		M	M	M	M	M	
1	132044	92	92	92	92	92	90
2	132104	88	88	88	88	88	80
3	132064	84	84	84	84	84	70
4	132305	88	88	88	88	88	0
5	132313	81	81	81	81	81	80
6	132061	94	94	94	94	94	80
7	132103	83	83	83	83	83	80
8	132306	87	87	87	87	87	90
9	132070	87	87	87	87	87	60
10	132053	93	93	93	93	93	100
11	132062	95	95	95	95	95	80
12	132011	87	87	87	87	87	100
13	132027	84	84	84	84	84	90
14	132303	92	92	92	92	92	90
15	132014	97	97	97	97	97	90
16	132043	98	98	98	98	98	100
17	132310	86	86	86	86	86	60
18	132041	85	85	85	85	85	80
19	132007	93	93	93	93	93	90
20	132058	84	84	84	84	84	80
21	132003	100	100	100	100	100	90
22	132066	86	86	86	86	86	70
23	132073	88	88	88	88	88	90
24	132067	75	75	75	75	75	70
25	132045	91	91	91	91	91	90
26	132008	79	79	79	79	79	80
27	132040	91	91	91	91	91	90
28	132018	87	87	87	87	87	90
29	132033	98	98	98	98	98	80
30	132016	99	99	99	99	99	90
31	132050	85	85	85	85	85	80
32	132012	97	97	97	97	97	100
33	132069	75	75	75	75	75	70
34	132054	97	97	97	97	97	90
35	132052	95	95	95	95	95	100
36	132063	94	94	94	94	94	80
37	132060	76	76	76	76	76	80
38	132302	81	81	81	81	81	80
39	132051	85	85	85	85	85	90
40	132032	95	95	95	95	95	90
41	132065	84	84	84	84	84	90
42	132071	79	79	79	79	79	80
43	132023	91	91	91	91	91	100
44	132026	93	93	93	93	93	90
45	132025	93	93	93	93	93	90
46	132046	100	100	100	100	100	90
47	132035	100	100	100	100	100	100
48	132013	97	97	97	97	97	90
49	132010	80	80	80	80	80	90
50	132038	76	76	76	76	76	90
51	132020	85	85	85	85	85	90
52	132015	83	83	83	83	83	80
53	132004	85	85	85	85	85	90

54	132005	91	91	91	91	91	90
55	132028	89	89	89	89	89	80
56	132031	85	85	85	85	85	90
57	132057	85	85	85	85	85	90
58	132056	100	100	100	100	100	90
59	132036	95	95	95	95	95	90
60	132312	92	92	92	92	92	100
61	132021	97	97	97	97	97	100
62	132001	97	97	97	97	97	100
63	132311	72	72	72	72	72	80
64	132072	55	55	55	55	55	70
65	132024	97	97	97	97	97	100
66	132068	56	56	56	56	56	90
67	132101	84	84	84	84	84	90
68	132029	89	89	89	89	89	80
69	132042	71	71	71	71	71	70
70	132049	70	70	70	70	70	90
71	132037	69	69	69	69	69	80
72	132006	87	87	87	87	87	90
73	132047	91	91	91	91	91	90
74	132059	95	95	95	95	95	90
75	132055	76	76	76	76	76	80
76	132105	81	81	81	81	81	80
77	132301	87	87	87	87	87	90
78	132048	93	93	93	93	93	90
79	132304	91	91	91	91	91	90
80	132108	77	77	77	77	77	90
81	132017	94	94	94	94	94	100
82	132307	66	66	66	66	66	90
83	132002	85	85	85	85	85	90
84	132009	85	85	85	85	85	90
85	132102	93	93	93	93	93	100
86	132022	85	85	85	85	85	90
87	132019	99	99	99	99	99	90
88	132039	73	73	73	73	73	90
89	132034	89	89	89	89	89	100
90	132107	89	89	89	89	89	90
91	132309	81	81	81	81	81	90
92	132106	77	77	77	77	77	80
93	132030	98	98	98	98	98	100
94	132308	93	93	93	93	93	90

Benchmark	**C109.1**	**C109.2**	**C109.3**	**C109.4**	**C109.5**	**AU**
	M	**M**	**M**	**M**	**M**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	81.91	81.91	81.91	81.91	81.91	67.02
Level Obtained	3	3	3	3	3	1

Survey:

Survey	C109.1	C109.2	C109.3	C109.4	C109.5
Obtained Percentage	92.35	91.21	89	90.15	92.18
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C109:

Course	Internal Test	Record R	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C109.1	3	-	3	1	1.8	3	2.04
C109.2	3	-	3	1	1.8	3	2.04
C109.3	3	-	3	1	1.8	3	2.04
C109.4	3	-	3	1	1.8	3	2.04
C109.5	3	-	3	1	1.8	3	2.04
C109							**2.04**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C109.1	AU Exam	Model Exam
C109.2	AU Exam	Model Exam
C109.3	AU Exam	Model Exam
C109.4	AU Exam	Model Exam
C109.5	AU Exam	Model Exam

Overall Attainment:

$$C109 = \frac{C109.1 + C109.2 + C109.3 + C109.4 + C109.5}{5} = 2.04$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: HS6251 - Technical English -II: C110
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C110.1		C110.2		C110.3		C110.4		C110.5		AU
		CIT1	A1	CIT1	A1	CIT2	A2	CIT2	A2	CIT3	A3	
1	132044	94	100	94	100	93	95	93	95	95	100	80
2	132104	90	90	90	90	92	90	92	90	90	100	70
3	132064	67	95	67	95	71	90	71	90	75	100	60
4	132305	68	100	68	100	77	100	77	100	76	100	70
5	132313	81	90	81	90	91	90	91	90	90	100	60
6	132061	72	100	72	100	91	95	91	95	92	100	70
7	132103	72	90	72	90	90	95	90	95	88	100	80
8	132306	92	90	92	90	91	100	91	100	89	100	70
9	132070	69	95	69	95	79	95	79	95	77	100	0
10	132053	86	100	86	100	86	95	86	95	87	100	70
11	132062	68	95	68	95	77	95	77	95	76	100	70
12	132011	81	95	81	95	87	100	87	100	86	100	90
13	132027	82	100	82	100	85	95	85	95	84	100	70
14	132303	90	100	90	100	97	95	97	95	96	95	80
15	132014	95	90	95	90	97	100	97	100	96	100	80
16	132043	94	95	94	95	89	100	89	100	85	100	80
17	132310	67	95	67	95	79	100	79	100	78	100	70
18	132041	68	100	68	100	79	95	79	95	77	95	80
19	132007	95	95	95	95	95	100	95	100	94	100	90
20	132058	80	95	80	95	86	90	86	90	85	100	70
21	132003	96	100	96	100	95	95	95	95	96	100	90
22	132066	73	100	73	100	83	95	83	95	81	100	0
23	132073	98	95	98	95	89	100	89	100	84	100	80
24	132067	75	100	75	100	74	95	74	95	75	100	50
25	132045	78	100	78	100	69	95	69	95	72	100	70
26	132008	71	95	71	95	68	95	68	95	71	100	0
27	132040	87	100	87	100	90	100	90	100	92	100	90
28	132018	71	95	71	95	80	100	80	100	82	100	60
29	132033	72	95	72	95	78	100	78	100	82	100	70
30	132016	81	95	81	95	88	100	88	100	91	100	80
31	132050	73	100	73	100	84	95	84	95	87	100	70
32	132012	84	95	84	95	85	100	85	100	86	100	70
33	132069	73	95	73	95	79	95	79	95	82	100	70
34	132054	82	95	82	95	85	100	85	100	87	100	50
35	132052	82	100	82	100	85	95	85	95	87	100	80
36	132063	69	100	69	100	72	90	72	90	76	100	70
37	132060	70	95	70	95	79	100	79	100	81	95	50
38	132302	71	100	71	100	81	95	81	95	83	100	70
39	132051	96	100	96	100	92	95	92	95	91	95	80
40	132032	73	90	73	90	82	100	82	100	85	95	70
41	132065	79	100	79	100	89	90	89	90	83	100	50
42	132071	67	90	67	90	75	100	75	100	77	100	70
43	132023	67	100	67	100	77	95	77	95	75	100	80
44	132026	94	95	94	95	96	100	96	100	92	100	80
45	132025	69	90	69	90	79	100	79	100	81	100	50
46	132046	88	100	88	100	90	90	90	90	87	100	70
47	132035	81	95	81	95	88	100	88	100	86	95	60
48	132013	69	90	69	90	77	100	77	100	78	95	70
49	132010	74	100	74	100	83	100	83	100	80	100	80
50	132038	69	100	69	100	67	95	67	95	90	95	50
51	132020	80	95	80	95	91	95	91	95	90	100	90
52	132015	76	90	76	90	59	100	59	100	90	100	80
53	132004	84	100	84	100	71	95	71	95	80	95	80

54	132005	81	100	81	100	79	100	79	100	80	100	90
55	132028	87	95	87	95	81	100	81	100	90	100	80
56	132031	80	90	80	90	89	100	89	100	86	100	80
57	132057	79	95	79	95	81	100	81	100	90	100	80
58	132056	70	100	70	100	76	100	76	100	80	100	70
59	132036	85	95	85	95	88	100	88	100	86	100	70
60	132312	76	90	76	90	83	95	83	95	82	100	70
61	132021	90	100	90	100	75	100	75	100	80	100	80
62	132001	86	100	86	100	85	95	85	95	86	100	70
63	132311	64	90	64	90	57	95	57	95	82	100	70
64	132072	56	100	56	100	59	100	59	100	68	100	0
65	132024	79	100	79	100	67	100	67	100	82	100	70
66	132068	66	100	66	100	59	95	59	95	78	100	70
67	132101	68	95	68	95	63	100	63	100	84	100	70
68	132029	63	95	63	95	67	100	67	100	76	100	70
69	132042	50	90	50	90	65	95	65	95	64	100	70
70	132049	58	100	58	100	A	95	A	95	72	100	70
71	132037	67	95	67	95	63	100	63	100	74	95	70
72	132006	80	100	80	100	92	100	92	100	90	100	80
73	132047	72	100	72	100	68	90	68	90	82	100	70
74	132059	78	95	78	95	75	95	75	95	90	100	70
75	132055	71	95	71	95	65	100	65	100	64	100	70
76	132105	54	95	54	95	69	90	69	90	80	100	70
77	132301	72	95	72	95	57	95	57	95	72	95	80
78	132048	79	100	79	100	92	90	92	90	88	100	80
79	132304	80	100	80	100	79	100	79	100	80	95	80
80	132108	68	95	68	95	69	95	69	95	90	95	70
81	132017	80	95	80	95	91	100	91	100	90	100	90
82	132307	64	95	64	95	75	100	75	100	72	95	70
83	132002	75	95	75	95	79	100	79	100	76	100	80
84	132009	71	90	71	90	59	100	59	100	84	100	70
85	132102	73	90	73	90	85	95	85	95	82	100	80
86	132022	82	100	82	100	86	95	86	95	90	100	90
87	132019	76	95	76	95	85	95	85	95	82	100	70
88	132039	76	100	76	100	69	95	69	95	90	100	70
89	132034	75	95	75	95	77	100	77	100	84	95	70
90	132107	58	95	58	95	67	95	67	95	84	100	60
91	132309	73	95	73	95	79	95	79	95	90	100	70
92	132106	54	95	54	95	57	90	57	90	84	95	0
93	132030	62	90	62	90	89	100	89	100	86	100	70
94	132308	84	100	84	100	79	90	79	90	84	100	80

Benchmark	**C110.1**		**C110.2**		**C110.3**		**C110.4**		**C110.5**		**AU**
	CIT1	**A1**	**CIT1**	**A1**	**CIT2**	**A2**	**CIT2**	**A2**	**CIT3**	**A3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	93.62	100	93.62	100	92.47	100	92.47	100	100	100	82.98
Level Obtained	3	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	C110.1	C110.2	C110.3	C110.4	C110.5
Obtained Percentage	85.22	84.86	83.72	85.22	83.86
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C110:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C110.1	3	3	3	3	3	3	3
C110.2	3	3	3	3	3	3	3
C110.3	3	3	3	3	3	3	3
C110.4	3	3	3	3	3	3	3
C110.5	3	3	3	3	3	3	3
C110							**3**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C110.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C110.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C110.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C110.4	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C110.5	AU Exam	[0.7*Internal Test + 0.3*Assignment]

Overall Attainment:

$$C110 = \frac{C110.1 + C110.2 + C110.3 + C110.4 + C110.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: MA6251 - Mathematics -II: C111
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C111.1		C111.2		C111.3		C111.4		C111.5	AU
		CIT1	A1	CIT1	A1	CIT2	A2	CIT2	A2	CIT3	
1	132044	63	100	63	100	88	100	88	100	92	80
2	132104	70	100	70	100	87	100	87	100	90	50
3	132064	26	100	26	100	82	100	82	100	24	60
4	132305	32	100	32	100	18	100	18	100	24	0
5	132313	29	100	29	100	28	100	28	100	72	0
6	132061	50	100	50	100	76	100	76	100	96	50
7	132103	66	100	66	100	86	100	86	100	72	60
8	132306	85	100	85	100	96	100	96	100	88	70
9	132070	25	100	25	100	26	100	26	100	72	0
10	132053	70	100	70	100	72	100	72	100	72	80
11	132062	75	100	75	100	80	100	80	100	90	90
12	132011	95	100	95	100	99	100	99	100	92	100
13	132027	93	100	93	100	58	100	58	100	78	70
14	132303	77	100	77	100	64	100	64	100	78	50
15	132014	89	100	89	100	72	100	72	100	92	70
16	132043	98	100	98	100	99	100	99	100	99	100
17	132310	21	100	21	100	64	100	64	100	56	50
18	132041	60	100	60	100	63	100	63	100	72	50
19	132007	90	100	90	100	77	100	77	100	98	80
20	132058	98	100	98	100	97	100	97	100	99	90
21	132003	98	100	98	100	88	100	88	100	99	90
22	132066	24	100	24	100	56	100	56	100	76	0
23	132073	84	100	84	100	99	100	99	100	99	90
24	132067	36	100	36	100	81	100	81	100	76	50
25	132045	54	100	54	100	85	100	85	100	92	60
26	132008	26	100	26	100	56	100	56	100	80	50
27	132040	90	100	90	100	99	100	99	100	80	90
28	132018	82	100	82	100	62	100	62	100	60	80
29	132033	88	100	88	100	87	100	87	100	80	50
30	132016	96	100	96	100	90	100	90	100	99	90
31	132050	96	100	96	100	98	100	98	100	99	50
32	132012	98	100	98	100	94	100	94	100	88	100
33	132069	38	100	38	100	77	100	77	100	84	50
34	132054	93	100	93	100	93	100	93	100	92	90
35	132052	86	100	86	100	89	100	89	100	96	90
36	132063	8	100	8	100	52	100	52	100	56	50
37	132060	61	100	61	100	55	100	55	100	76	0
38	132302	27	100	27	100	56	100	56	100	44	50
39	132051	84	100	84	100	80	100	80	100	76	70
40	132032	71	100	71	100	87	100	87	100	88	90
41	132065	73	100	73	100	39	100	39	100	64	50
42	132071	51	100	51	100	68	100	68	100	48	70
43	132023	A	100	A	100	99	100	99	100	90	80
44	132026	99	100	99	100	99	100	99	100	99	90
45	132025	82	100	82	100	85	100	85	100	72	70
46	132046	98	100	98	100	85	100	85	100	94	80
47	132035	94	100	94	100	99	100	99	100	99	80
48	132013	68	100	68	100	74	100	74	100	96	60
49	132010	99	80	99	80	91	100	91	100	100	90
50	132038	99	80	99	80	83	100	83	100	100	50
51	132020	99	100	99	100	100	100	100	100	100	90
52	132015	99	90	99	90	84	100	84	100	80	80
53	132004	99	90	99	90	74	100	74	100	98	70

54	132005	99	90	99	90	91	0	91	0	100	90
55	132028	99	90	99	90	90	100	90	100	100	90
56	132031	99	80	99	80	86	100	86	100	100	70
57	132057	99	90	99	90	99	100	99	100	100	100
58	132056	99	90	99	90	87	100	87	100	100	90
59	132036	99	90	99	90	100	100	100	100	100	100
60	132312	100	80	100	80	82	100	82	100	100	90
61	132021	99	90	99	90	97	100	97	100	100	90
62	132001	99	90	99	90	100	100	100	100	100	80
63	132311	93	80	93	80	72	0	72	0	94	50
64	132072	31	0	31	0	27	0	27	0	68	50
65	132024	100	90	100	90	87	100	87	100	100	90
66	132068	82	80	82	80	A	100	A	100	100	50
67	132101	99	90	99	90	77	100	77	100	100	50
68	132029	99	90	99	90	81	0	81	0	86	80
69	132042	61	90	61	90	55	100	55	100	96	50
70	132049	58	0	58	0	27	0	27	0	A	60
71	132037	99	90	99	90	94	0	94	0	100	80
72	132006	99	90	99	90	100	100	100	100	98	80
73	132047	90	90	90	90	87	100	87	100	100	80
74	132059	99	90	99	90	98	100	98	100	100	90
75	132055	96	90	96	90	84	100	84	100	98	80
76	132105	88	80	88	80	74	100	74	100	100	50
77	132301	85	80	85	80	85	100	85	100	40	70
78	132048	99	80	99	80	87	0	87	0	100	90
79	132304	99	90	99	90	96	0	96	0	100	70
80	132108	87	100	87	100	53	100	53	100	98	60
81	132017	100	100	100	100	96	100	96	100	100	90
82	132307	50	90	50	90	50	0	50	0	64	0
83	132002	99	100	99	100	100	100	100	100	100	90
84	132009	99	80	99	80	95	0	95	0	88	90
85	132102	99	90	99	90	84	100	84	100	98	80
86	132022	99	90	99	90	99	100	99	100	98	90
87	132019	100	100	100	100	100	100	100	100	100	100
88	132039	99	90	99	90	96	100	96	100	98	80
89	132034	99	90	99	90	95	0	95	0	98	90
90	132107	76	90	76	90	55	0	55	0	92	0
91	132309	99	90	99	90	76	100	76	100	94	70
92	132106	75	90	75	90	70	0	70	0	100	50
93	132030	100	90	100	90	100	100	100	100	98	80
94	132308	78	0	78	0	77	0	77	0	98	70

	C111.1		C111.2		C111.3		C111.4		C111.5	
Benchmark	**CIT1**	**A1**	**CIT1**	**A1**	**CIT2**	**A2**	**CIT2**	**A2**	**CIT3**	**AU**
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	81.72	96.81	81.73	96.81	82.8	85.11	82.8	85.11	92.47	63.83
Level Obtained	3	3	3	3	3	3	3	3	3	1

Survey:

Survey	C111.1	C111.2	C111.3	C111.4	C111.5
Obtained Percentage	90.65	91.79	91.07	91.16	90.67
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C111:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C111.1	3	3	3	1	1.8	3	2.04
C111.2	3	3	3	1	1.8	3	2.04
C111.3	3	3	3	1	1.8	3	2.04
C111.4	3	3	3	1	1.8	3	2.04
C111.5	3	-	3	1	1.8	3	2.04
C111							**2.04**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C111.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C111.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C111.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C111.4	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C111.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C111 = \frac{C111.1 + C111.2 + C111.3 + C111.4 + C111.5}{5} = 2.04$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: PH6251 - Engineering Physics -II: C112
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C112.1		C112.2	C112.3		C112.4	C112.5	AU
		CIT1	A1	CIT1	CIT2	A2	CIT2	CIT3	
1	132044	77	100	77	97	100	97	88	90
2	132104	80	100	80	93	100	93	84	80
3	132064	44	100	44	70	100	70	80	70
4	132305	14	100	14	70	100	70	82	70
5	132313	42	100	42	72	100	72	80	50
6	132061	83	100	83	93	100	93	91	90
7	132103	23	100	23	79	100	79	88	90
8	132306	66	100	66	93	100	93	99	100
9	132070	46	100	46	72	100	72	80	50
10	132053	52	100	52	89	100	89	81	70
11	132062	73	100	73	85	100	85	84	90
12	132011	93	100	93	98	100	98	99	80
13	132027	81	100	81	83	100	83	91	60
14	132303	76	100	76	88	100	88	94	70
15	132014	54	100	54	80	100	80	81	70
16	132043	98	100	98	99	100	99	96	80
17	132310	36	100	36	87	100	87	87	50
18	132041	50	100	50	78	100	78	84	60
19	132007	86	100	86	97	100	97	99	80
20	132058	86	100	86	98	100	98	91	80
21	132003	98	100	98	95	100	95	99	100
22	132066	42	100	42	72	100	72	80	50
23	132073	92	100	92	99	100	99	99	90
24	132067	50	100	50	83	100	83	90	70
25	132045	71	100	71	75	100	75	81	70
26	132008	36	100	36	70	100	70	81	50
27	132040	80	100	80	97	100	97	99	90
28	132018	52	100	52	87	100	87	87	80
29	132033	52	100	52	74	100	74	80	70
30	132016	74	100	74	91	100	91	99	80
31	132050	84	100	84	80	100	80	99	50
32	132012	75	100	75	94	100	94	99	80
33	132069	20	100	20	74	100	74	88	70
34	132054	84	100	84	95	100	95	94	80
35	132052	69	100	69	91	100	91	99	80
36	132063	37	100	37	82	100	82	90	80
37	132060	64	100	64	85	100	85	88	80
38	132302	59	100	59	72	100	72	80	70
39	132051	85	100	85	85	100	85	81	70
40	132032	26	100	26	80	100	80	82	70
41	132065	57	100	57	78	100	78	82	70
42	132071	50	100	50	91	100	91	80	0
43	132023	A	100	A	97	100	97	97	80
44	132026	88	100	88	99	100	99	99	100
45	132025	56	100	56	99	100	99	84	70
46	132046	83	100	83	96	100	96	91	90
47	132035	98	100	98	99	100	99	93	90
48	132013	59	100	59	93	100	93	81	70
49	132010	94	100	94	92	100	92	96	80
50	132038	59	100	59	70	100	70	84	70
51	132020	86	100	86	97	100	97	96	100
52	132015	72	100	72	70	100	70	78	70
53	132004	79	100	79	82	100	82	68	70

54	132005	88	100	88	83	100	83	86	80
55	132028	85	100	85	79	100	79	84	90
56	132031	79	100	79	90	100	90	82	80
57	132057	97	100	97	97	100	97	86	90
58	132056	94	100	94	91	100	91	88	80
59	132036	93	100	93	94	100	94	90	100
60	132312	93	100	93	70	100	70	92	90
61	132021	86	100	86	95	100	95	92	90
62	132001	96	100	96	98	100	98	99	90
63	132311	74	100	74	81	100	81	52	70
64	132072	32	100	32	69	100	69	24	0
65	132024	97	100	97	96	100	96	78	100
66	132068	67	100	67	86	100	86	44	80
67	132101	67	100	67	70	100	70	34	80
68	132029	96	100	96	91	100	91	78	90
69	132042	16	100	16	69	100	69	14	0
70	132049	46	100	46	69	100	69	12	70
71	132037	90	100	90	87	100	87	52	70
72	132006	82	100	82	96	100	96	90	80
73	132047	77	100	77	82	100	82	92	80
74	132059	96	100	96	88	100	88	80	90
75	132055	62	100	62	83	100	83	74	80
76	132105	84	100	84	72	100	72	62	70
77	132301	64	100	64	90	100	90	12	80
78	132048	85	100	85	71	100	71	46	80
79	132304	83	100	83	89	100	89	80	100
80	132108	47	100	47	74	100	74	54	80
81	132017	99	100	99	96	100	96	99	90
82	132307	37	100	37	69	100	69	28	50
83	132002	84	100	84	77	100	77	88	90
84	132009	85	100	85	70	100	70	92	90
85	132102	64	100	64	73	100	73	90	80
86	132022	95	100	95	92	100	92	92	90
87	132019	82	100	82	92	100	92	99	90
88	132039	81	100	81	73	100	73	84	80
89	132034	76	100	76	71	100	71	48	70
90	132107	27	100	27	69	100	69	76	80
91	132309	86	100	86	75	100	75	80	70
92	132106	60	100	60	69	100	69	26	60
93	132030	93	100	93	78	100	78	88	70
94	132308	58	100	58	74	100	74	64	50

	C112.1		C112.2	C112.3		C112.4	C112.5	
Benchmark	**CIT1**	**A1**	**CIT1**	**CIT2**	**A2**	**CIT2**	**CIT3**	**AU**
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	67.74	100	67.74	100	100	100	86.17	85.11
Level Obtained	1	3	1	3	3	3	3	3

Survey:

Survey	C112.1	C112.2	C112.3	C112.4	C112.5
Obtained Percentage	86.82	87.46	87.71	88.14	84.39
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C112:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C112.1	1	3	1.6	3	2.44	3	2.55
C112.2	1	-	1	3	2.2	3	2.36
C112.3	3	3	3	3	3	3	3
C112.4	3	-	3	3	3	3	3
C112.5	3	-	3	3	3	3	3
C112							**2.78**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C112.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C112.2	AU Exam	[1*Internal Test]
C112.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C112.4	AU Exam	[1*Internal Test]
C112.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C112 = \frac{C112.1 + C112.2 + C112.3 + C112.4 + C112.5}{5} = 2.78$$

KLNCE/B.E - EEE – 2013-2013 Batch – Course: CY6251 - Engineering Chemistry -II: C113
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C113.1	C113.2		C113.3	C113.4	C113.5		AU
		CIT1	CIT1	A1	CIT2	CIT2	CIT3	A2	
1	132044	81	81	100	82	82	82	100	70
2	132104	79	79	100	58	58	92	100	60
3	132064	52	52	100	51	51	38	100	60
4	132305	21	21	80	23	23	50	100	50
5	132313	28	28	100	30	30	56	100	0
6	132061	65	65	100	64	64	72	100	50
7	132103	52	52	100	79	79	82	100	60
8	132306	73	73	100	90	90	94	100	70
9	132070	32	32	100	55	55	56	100	0
10	132053	57	57	100	60	60	96	100	70
11	132062	78	78	100	82	82	80	100	80
12	132011	97	97	100	76	76	86	100	90
13	132027	40	40	100	A	A	86	100	50
14	132303	68	68	100	75	75	92	100	50
15	132014	62	62	100	52	52	54	100	80
16	132043	98	98	100	93	93	96	100	100
17	132310	72	72	80	52	52	54	100	60
18	132041	61	61	100	41	41	52	100	50
19	132007	78	78	100	78	78	74	100	70
20	132058	84	84	100	78	78	86	100	70
21	132003	92	92	100	93	93	96	100	90
22	132066	30	30	80	42	42	60	100	0
23	132073	93	93	100	86	86	92	100	80
24	132067	42	42	100	50	50	58	100	50
25	132045	76	76	100	76	76	70	100	50
26	132008	37	37	100	26	26	42	100	0
27	132040	97	97	100	93	93	82	100	100
28	132018	58	58	100	52	52	68	100	50
29	132033	54	54	100	40	40	52	100	0
30	132016	96	96	100	93	93	96	100	70
31	132050	42	42	100	61	61	60	100	0
32	132012	92	92	100	85	85	88	100	90
33	132069	57	57	100	50	50	62	100	50
34	132054	82	82	100	82	82	88	100	70
35	132052	68	68	100	77	77	72	100	70
36	132063	46	46	100	68	68	60	80	50
37	132060	36	36	80	43	43	28	100	60
38	132302	53	53	80	55	55	52	80	70
39	132051	70	70	100	52	52	64	100	50
40	132032	A	A	100	36	36	56	100	70
41	132065	47	47	100	53	53	60	100	50
42	132071	33	33	100	56	56	52	100	50
43	132023	A	A	100	95	95	92	100	90
44	132026	88	88	100	94	94	74	100	80
45	132025	83	83	100	72	72	58	100	70
46	132046	70	70	100	70	70	92	100	80
47	132035	92	92	100	89	89	92	100	80
48	132013	70	70	100	70	70	98	80	60
49	132010	96	96	100	95	95	90	100	90
50	132038	61	61	100	56	56	50	90	60
51	132020	83	83	100	91	91	92	100	90
52	132015	73	73	100	55	55	36	100	70
53	132004	67	67	100	71	71	72	100	70

54	132005	92	92	100	79	79	100	100	90
55	132028	86	86	100	84	84	78	100	80
56	132031	80	80	100	79	79	98	100	70
57	132057	93	93	100	92	92	94	100	90
58	132056	83	83	100	87	87	84	100	70
59	132036	91	91	100	81	81	84	100	80
60	132312	87	87	100	87	87	76	100	80
61	132021	83	83	100	72	72	88	100	90
62	132001	98	98	100	98	98	100	100	90
63	132311	48	48	80	62	62	64	80	50
64	132072	30	30	80	37	37	44	60	50
65	132024	90	90	100	99	99	96	100	80
66	132068	64	64	80	87	87	70	80	70
67	132101	88	88	100	64	64	16	100	70
68	132029	73	73	80	82	82	46	80	80
69	132042	13	13	80	37	37	16	60	50
70	132049	50	50	80	56	56	66	60	60
71	132037	71	71	80	65	65	10	80	60
72	132006	67	67	100	86	86	88	100	80
73	132047	80	80	100	80	80	86	100	80
74	132059	82	82	100	75	75	48	100	70
75	132055	47	47	100	62	62	68	100	90
76	132105	63	63	80	41	41	44	80	60
77	132301	54	54	100	76	76	6	100	70
78	132048	73	73	100	57	57	74	100	90
79	132304	95	95	100	94	94	94	100	80
80	132108	47	47	100	42	42	38	100	70
81	132017	92	92	100	91	91	90	100	90
82	132307	39	39	80	43	43	50	80	50
83	132002	87	87	100	64	64	80	100	70
84	132009	80	80	100	79	79	40	100	80
85	132102	70	70	80	70	70	92	80	70
86	132022	92	92	100	74	74	88	100	80
87	132019	99	99	100	98	98	88	100	100
88	132039	85	85	100	77	77	76	100	70
89	132034	77	77	80	59	59	44	80	70
90	132107	45	45	100	57	57	52	100	50
91	132309	62	62	100	72	72	62	80	50
92	132106	42	42	100	50	50	12	80	0
93	132030	81	81	100	62	62	54	100	70
94	132308	55	55	100	64	64	40	100	0

Benchmark	**C113.1**	**C113.2**		**C113.4**	**C113.4**	**C113.5**		**AU**
	CIT1	**CIT1**	**A1**	**CIT2**	**CIT2**	**CIT3**	**A2**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	67.39	67.39	100	65.59	65.59	64.89	96.81	60.64
Level Obtained	1	1	3	1	1	1	3	1

Survey:

Survey	C113.1	C113.2	C113.3	C113.4	C113.5
Obtained Percentage	85.86	82.47	84.11	81.36	79.04
Level Obtained	3	3	3	3	2
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C113:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C113.1	1	-	1	1	1	3	1.4
C113.2	1	3	1.6	1	1.24	3	1.59
C113.3	1	-	1	1	1	3	1.4
C113.4	1	-	1	1	1	3	1.4
C113.5	1	3	1.6	1	1.24	3	1.39
C113							**1.44**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C113.1	AU Exam	[1*Internal Test]
C113.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C113.3	AU Exam	[1*Internal Test]
C113.4	AU Exam	[1*Internal Test]
C113.5	AU Exam	[0.7*Internal Test + 0.3*Assignment]

Overall Attainment:

$$C113 = \frac{C113.1 + C113.2 + C113.3 + C113.4 + C113.5}{5} = 1.44$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6251 - Basic Civil & Mechanical Engineering: C114
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C114.1		C114.2		C114.3		C114.4		C114.5	AU
		CIT1	A1	CIT1	A1	CIT2	A2	CIT2	A2	CIT3	
1	132044	82	100	82	100	85	100	85	100	96	80
2	132104	80	100	80	100	80	100	80	100	96	70
3	132064	40	100	40	100	60	100	60	100	92	70
4	132305	50	100	50	100	67	100	67	100	96	50
5	132313	72	90	72	90	80	90	80	90	80	50
6	132061	88	100	88	100	99	100	99	100	100	70
7	132103	86	90	86	90	90	90	90	90	88	80
8	132306	94	100	94	100	95	100	95	100	100	90
9	132070	20	80	20	80	60	80	60	80	76	0
10	132053	80	70	80	70	85	80	85	80	60	70
11	132062	82	100	82	100	88	100	88	100	96	80
12	132011	100	100	100	100	100	100	100	100	96	90
13	132027	84	100	84	100	85	100	85	100	92	80
14	132303	84	100	84	100	85	100	85	100	92	80
15	132014	82	100	82	100	85	100	85	100	96	80
16	132043	96	100	96	100	95	100	95	100	92	90
17	132310	70	100	70	100	80	90	80	90	80	70
18	132041	74	100	74	100	80	100	80	100	96	70
19	132007	90	100	90	100	95	100	95	100	98	80
20	132058	98	100	98	100	96	100	96	100	98	80
21	132003	100	100	100	100	100	100	100	100	99	90
22	132066	20	100	20	100	70	100	70	100	98	60
23	132073	90	100	90	100	92	100	92	100	99	80
24	132067	40	100	40	100	70	100	70	100	99	70
25	132045	76	100	76	100	80	100	80	100	98	70
26	132008	56	100	56	100	70	100	70	100	98	50
27	132040	90	100	90	100	95	100	95	100	98	90
28	132018	42	100	42	100	70	100	70	100	99	80
29	132033	76	100	76	100	79	100	79	100	96	70
30	132016	94	100	94	100	95	100	95	100	98	80
31	132050	88	100	88	100	88	100	88	100	92	0
32	132012	96	100	96	100	95	100	95	100	96	90
33	132069	50	100	50	100	73	100	73	100	98	70
34	132054	94	100	94	100	95	100	95	100	96	70
35	132052	80	100	80	100	90	100	90	100	96	80
36	132063	52	100	52	100	70	100	70	100	99	50
37	132060	64	100	64	100	70	100	70	100	99	70
38	132302	60	100	60	100	80	100	80	100	98	60
39	132051	94	100	94	100	80	100	80	100	92	70
40	132032	60	100	60	100	80	100	80	100	99	70
41	132065	64	100	64	100	75	100	75	100	98	60
42	132071	14	100	14	100	70	100	70	100	99	60
43	132023	96	100	96	100	95	100	95	100	95	90
44	132026	100	100	100	100	99	100	99	100	98	90
45	132025	90	100	90	100	92	100	92	100	96	70
46	132046	98	100	98	100	98	100	98	100	95	80
47	132035	92	100	92	100	98	100	98	100	95	80
48	132013	64	100	64	100	70	100	70	100	96	70
49	132010	88	100	88	100	90	100	90	100	94	90
50	132038	69	90	69	90	80	70	80	70	82	70
51	132020	98	100	98	100	96	100	96	100	96	90
52	132015	88	100	88	100	76	100	76	100	90	70
53	132004	70	90	70	90	76	90	76	90	84	90

54	132005	94	100	94	100	84	100	84	100	92	90
55	132028	98	100	98	100	86	100	86	100	96	80
56	132031	92	90	92	90	94	100	94	100	96	80
57	132057	94	100	94	100	98	100	98	100	98	90
58	132056	98	100	98	100	96	100	96	100	98	80
59	132036	98	100	98	100	98	100	98	100	98	90
60	132312	94	100	94	100	98	100	98	100	98	90
61	132021	98	100	98	100	92	100	92	100	98	90
62	132001	98	100	98	100	96	90	96	90	98	90
63	132311	73	70	73	70	50	50	50	50	66	60
64	132072	41	0	41	0	58	0	58	0	60	50
65	132024	96	100	96	100	94	100	94	100	98	80
66	132068	68	80	68	80	92	100	92	100	78	70
67	132101	80	100	80	100	84	100	84	100	86	80
68	132029	87	90	87	90	90	100	90	100	90	70
69	132042	42	70	42	70	60	70	60	70	78	50
70	132049	60	0	60	0	0	0	0	0	72	70
71	132037	44	100	44	100	88	100	88	100	86	70
72	132006	44	100	44	100	96	70	96	70	96	80
73	132047	96	100	96	100	88	100	88	100	94	70
74	132059	94	90	94	90	92	90	92	90	92	80
75	132055	88	80	88	80	90	90	90	90	88	80
76	132105	79	90	79	90	88	90	88	90	86	70
77	132301	60	90	60	90	72	90	72	90	88	70
78	132048	89	100	89	100	70	90	70	90	90	80
79	132304	92	100	92	100	96	100	96	100	94	80
80	132108	60	100	60	100	76	90	76	90	82	70
81	132017	86	100	86	100	98	100	98	100	98	90
82	132307	69	90	69	90	54	60	54	60	78	50
83	132002	92	100	92	100	88	100	88	100	90	80
84	132009	90	90	90	90	88	80	88	80	94	80
85	132102	85	100	85	100	74	100	74	100	90	80
86	132022	98	100	98	100	90	100	90	100	92	90
87	132019	98	100	98	100	98	100	98	100	98	90
88	132039	73	100	73	100	92	100	92	100	88	80
89	132034	70	100	70	100	96	90	96	90	96	70
90	132107	50	100	50	100	92	90	92	90	88	70
91	132309	69	100	69	100	88	70	88	70	90	80
92	132106	52	90	52	90	70	70	70	70	85	60
93	132030	69	100	69	100	92	100	92	100	94	70
94	132308	81	100	81	100	82	100	82	100	90	50

Benchmark	**C114.1**		**C114.2**		**C114.3**		**C114.4**		**C114.5**	**AU**
	CIT1	**A1**	**CIT1**	**A1**	**CIT2**	**A2**	**CIT2**	**A2**	**CIT3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	82.98	94.68	82.98	94.68	95.74	90.43	95.74	90.43	100	82.98
Level Obtained	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	C114.1	C114.2	C114.3	C114.4	C114.5
Obtained Percentage	92.36	88.61	89.71	82.25	81.64
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C114:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C114.1	3	3	3	3	3	3	3
C114.2	3	3	3	3	3	3	3
C114.3	3	3	3	3	3	3	3
C114.4	3	3	3	3	3	3	3
C114.5	3	-	3	3	3	3	3
C114							**3**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C114.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C114.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C114.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C114.4	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C114.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C114 = \frac{C114.1 + C114.2 + C114.3 + C114.4 + C114.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6201 - Circuit Theory: C115
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C115.1	C115.2		C115.3	C115.4	C115.5		AU
		CIT1	CIT1	A1	CIT2	CIT2	CIT3	A2	
1	132044	61	61	100	88	88	99	100	70
2	132104	60	60	100	68	68	90	100	60
3	132064	27	27	100	53	53	80	100	60
4	132305	42	42	80	42	42	90	100	50
5	132313	32	32	100	70	70	85	100	0
6	132061	36	36	100	41	41	80	100	50
7	132103	39	39	100	82	82	95	100	60
8	132306	65	65	100	73	73	90	100	70
9	132070	40	40	100	82	82	75	100	0
10	132053	40	40	100	90	90	80	100	70
11	132062	26	26	100	46	46	80	100	80
12	132011	80	80	100	98	98	99	100	90
13	132027	43	43	100	62	62	80	100	50
14	132303	46	46	100	61	61	80	100	50
15	132014	64	64	100	64	64	90	100	80
16	132043	84	84	100	94	94	99	100	100
17	132310	40	40	80	58	58	75	100	60
18	132041	34	34	100	40	40	75	100	50
19	132007	66	66	100	85	85	80	100	70
20	132058	51	51	100	86	86	80	100	70
21	132003	90	90	100	99	99	99	100	90
22	132066	15	15	80	73	73	75	100	0
23	132073	79	79	100	66	66	90	100	80
24	132067	25	25	100	85	85	80	100	50
25	132045	37	37	100	98	98	82	100	50
26	132008	26	26	100	88	88	75	100	0
27	132040	52	52	100	59	59	80	100	100
28	132018	37	37	100	67	67	80	100	50
29	132033	27	27	100	77	77	82	100	0
30	132016	83	83	100	94	94	99	100	70
31	132050	66	66	100	73	73	AA	100	0
32	132012	77	77	100	84	84	90	100	90
33	132069	36	36	100	32	32	75	100	50
34	132054	52	52	100	93	93	80	100	70
35	132052	80	80	100	99	99	90	100	70
36	132063	36	36	100	32	32	75	80	50
37	132060	20	20	80	55	55	75	100	60
38	132302	53	53	80	71	71	70	80	70
39	132051	54	54	100	89	89	85	100	50
40	132032	67	67	100	57	57	80	100	70
41	132065	27	27	100	60	60	75	100	50
42	132071	21	21	100	21	21	65	100	50
43	132023	AA	AA	100	95	95	90	100	90
44	132026	91	91	100	99	99	99	100	80
45	132025	52	52	100	75	75	80	100	70
46	132046	66	66	100	92	92	75	100	80
47	132035	58	58	100	76	76	80	100	80
48	132013	18	18	100	95	95	75	80	60
49	132010	82	82	100	96	96	96	100	90
50	132038	98	98	100	88	88	84	90	60
51	132020	100	100	100	80	80	100	100	90
52	132015	100	100	100	96	96	92	100	70
53	132004	90	90	100	86	86	56	100	70

54	132005	100	100	100	100	100	92	100	90
55	132028	100	100	100	100	100	92	100	80
56	132031	100	100	100	98	98	100	100	70
57	132057	100	100	100	96	96	92	100	90
58	132056	100	100	100	96	96	92	100	70
59	132036	96	96	100	100	100	100	100	80
60	132312	100	100	100	96	96	92	100	80
61	132021	96	96	100	100	100	100	100	90
62	132001	100	100	100	100	100	100	100	90
63	132311	96	96	80	90	90	92	80	50
64	132072	50	50	80	54	54	100	60	50
65	132024	92	92	100	100	100	70	100	80
66	132068	98	98	80	70	70	96	80	70
67	132101	90	90	100	92	92	92	100	70
68	132029	84	84	80	96	96	70	80	80
69	132042	24	24	80	56	56	100	60	50
70	132049	88	88	80	48	48	92	60	60
71	132037	100	100	80	98	98	100	80	60
72	132006	90	90	100	98	98	100	100	80
73	132047	88	88	100	80	80	100	100	80
74	132059	76	76	100	74	74	70	100	70
75	132055	100	100	100	62	62	78	100	90
76	132105	88	88	80	74	74	80	80	60
77	132301	92	92	100	78	78	70	100	70
78	132048	94	94	100	62	62	92	100	90
79	132304	100	100	100	98	98	80	100	80
80	132108	92	92	100	78	78	100	100	70
81	132017	100	100	100	100	100	100	100	90
82	132307	64	64	80	56	56	100	80	50
83	132002	90	90	100	100	100	92	100	70
84	132009	100	100	100	100	100	92	100	80
85	132102	76	76	80	88	88	92	80	70
86	132022	96	96	100	80	80	100	100	80
87	132019	100	100	100	98	98	92	100	100
88	132039	90	90	100	98	98	100	100	70
89	132034	92	92	80	100	100	92	80	70
90	132107	86	86	100	94	94	40	100	50
91	132309	100	100	100	88	88	100	80	50
92	132106	92	92	100	100	100	40	80	0
93	132030	100	100	100	82	82	88	100	70
94	132308	96	96	100	92	92	92	100	0

enchmark	**C115.1**	**C115.2**		**C115.3**	**C115.4**	**C115.5**		**AU**
	CIT1	**CIT1**	**A1**	**CIT2**	**CIT2**	**CIT3**	**A2**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	63.83	63.83	100	82.98	82.98	95.74	96.81	60.64
Level Obtained	1	1	3	3	3	3	3	1

Survey:

Survey	C115.1	C115.2	C115.3	C115.4	C115.5
Obtained Percentage	85.86	82.47	84.11	81.36	80
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C115:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C115.1	1	-	1	1	1	3	1.4
C115.2	1	3	1.6	1	1.24	3	1.59
C115.3	3	-	3	1	1.8	3	2.04
C115.4	3	-	3	1	1.8	3	2.04
C115.5	3	3	3	1	1.8	3	1.84
C115							**1.78**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C115.1	AU Exam	[1*Internal Test]
C115.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C115.3	AU Exam	[1*Internal Test]
C115.4	AU Exam	[1*Internal Test]
C115.5	AU Exam	[0.7*Internal Test + 0.3*Assignment]

Overall Attainment:

$$C115 = \frac{C115.1 + C115.2 + C115.3 + C115.4 + C115.5}{5} = 1.78$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6262 - Physics&Chemistry Lab-II: C116
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C116.1	C116.2	C116.3	C116.4	C116.5	AU
		M	M	M	M	M	
1	132044	97	97	97	97	97	100
2	132104	92	92	92	92	92	80
3	132064	81	81	81	81	81	90
4	132305	80	80	80	80	80	70
5	132313	77	77	77	77	77	90
6	132061	96	96	96	96	96	90
7	132103	95	95	95	95	95	100
8	132306	99	99	99	99	99	100
9	132070	79	79	79	79	79	80
10	132053	89	89	89	89	89	100
11	132062	89	89	89	89	89	90
12	132011	87	87	87	87	87	100
13	132027	87	87	87	87	87	90
14	132303	90	90	90	90	90	80
15	132014	84	84	84	84	84	100
16	132043	94	94	94	94	94	100
17	132310	84	84	84	84	84	80
18	132041	87	87	87	87	87	90
19	132007	96	96	96	96	96	100
20	132058	96	96	96	96	96	90
21	132003	99	99	99	99	99	100
22	132066	81	81	81	81	81	60
23	132073	89	89	89	89	89	100
24	132067	83	83	83	83	83	90
25	132045	83	83	83	83	83	90
26	132008	82	82	82	82	82	90
27	132040	92	92	92	92	92	90
28	132018	92	92	92	92	92	100
29	132033	83	83	83	83	83	80
30	132016	97	97	97	97	97	90
31	132050	90	90	90	90	90	80
32	132012	97	97	97	97	97	90
33	132069	86	86	86	86	86	70
34	132054	96	96	96	96	96	90
35	132052	95	95	95	95	95	100
36	132063	82	82	82	82	82	60
37	132060	90	90	90	90	90	80
38	132302	80	80	80	80	80	70
39	132051	93	93	93	93	93	80
40	132032	93	93	93	93	93	80
41	132065	86	86	86	86	86	80
42	132071	83	83	83	83	83	70
43	132023	91	91	91	91	91	90
44	132026	96	96	96	96	96	100
45	132025	93	93	93	93	93	90
46	132046	92	92	92	92	92	90
47	132035	97	97	97	97	97	100
48	132013	93	93	93	93	93	90
49	132010	94	94	94	94	94	80
50	132038	91	91	91	91	91	90

51	132020	99	99	99	99	99	100
52	132015	90	90	90	90	90	100
53	132004	95	95	95	95	95	90
54	132005	93	93	93	93	93	100
55	132028	93	93	93	93	93	90
56	132031	91	91	91	91	91	90
57	132057	97	97	97	97	97	100
58	132056	100	100	100	100	100	100
59	132036	95	95	95	95	95	100
60	132312	92	92	92	92	92	90
61	132021	97	97	97	97	97	100
62	132001	97	97	97	97	97	90
63	132311	80	80	80	80	80	90
64	132072	70	70	70	70	70	70
65	132024	99	99	99	99	99	100
66	132068	71	71	71	71	71	90
67	132101	97	97	97	97	97	100
68	132029	77	77	77	77	77	90
69	132042	70	70	70	70	70	70
70	132049	70	70	70	70	70	90
71	132037	74	74	74	74	74	90
72	132006	100	100	100	100	100	100
73	132047	100	100	100	100	100	80
74	132059	100	100	100	100	100	90
75	132055	100	100	100	100	100	90
76	132105	75	75	75	75	75	80
77	132301	92	92	92	92	92	100
78	132048	90	90	90	90	90	100
79	132304	100	100	100	100	100	90
80	132108	94	94	94	94	94	90
81	132017	100	100	100	100	100	100
82	132307	76	76	76	76	76	90
83	132002	99	99	99	99	99	90
84	132009	99	99	99	99	99	90
85	132102	75	75	75	75	75	100
86	132022	100	100	100	100	100	100
87	132019	100	100	100	100	100	100
88	132039	100	100	100	100	100	100
89	132034	70	70	70	70	70	90
90	132107	78	78	78	78	78	90
91	132309	79	79	79	79	79	80
92	132106	86	86	86	86	86	70
93	132030	100	100	100	100	100	100
94	132308	93	93	93	93	93	0

Benchmark	**C116.1**	**C116.2**	**C116.3**	**C116.4**	**C116.5**	**U**
	M	**M**	**M**	**M**	**M**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	85.11	85.11	85.11	85.11	85.11	74.47
Level Obtained	3	3	3	3	3	2

Survey:

Survey	C116.1	C116.2	C116.3	C116.4	C116.5
Obtained Percentage	92.36	91.21	89	90.15	92.18
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C116:

Course	Internal Test	R/V	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C116.1	3	-	3	2	2.4	3	2.52
C116.2	3	-	3	2	2.4	3	2.52
C116.3	3	-	3	2	2.4	3	2.52
C116.4	3	-	3	2	2.4	3	2.52
C116.5	3	-	3	2	2.4	3	2.52
C116							**2.52**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C116.1	AU Exam	Model Exam
C116.2	AU Exam	Model Exam
C116.3	AU Exam	Model Exam
C116.4	AU Exam	Model Exam
C116.5	AU Exam	Model Exam

Overall Attainment:

$$C116 = \frac{C116.1 + C116.2 + C116.3 + C116.4 + C116.5}{5} = 2.52$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6263 - Computer Practice Lab-II: C117
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C117.1		C117.2		C117.3		C117.4		C117.5		AU
		M	R	M	R	M	R	M	R	M	R	
1	132044	99	100	99	93	99	100	99	100	99	90	100
2	132104	90	100	90	97	90	100	90	100	90	100	100
3	132064	85	90	85	83	85	100	85	90	85	90	90
4	132305	85	80	85	97	85	100	85	100	85	100	90
5	132313	80	90	80	90	80	93	80	100	80	100	90
6	132061	80	100	80	90	80	100	80	100	80	100	100
7	132103	90	100	90	90	90	100	90	100	90	100	90
8	132306	99	100	99	97	99	95	99	100	99	100	100
9	132070	80	90	80	87	80	95	80	100	80	100	90
10	132053	90	90	90	97	90	95	90	100	90	100	90
11	132062	99	90	99	97	99	98	99	100	99	100	100
12	132011	99	100	99	97	99	98	99	90	99	90	100
13	132027	80	100	80	93	80	98	80	100	80	100	90
14	132303	80	100	80	97	80	95	80	95	80	100	90
15	132014	90	100	90	97	90	95	90	100	90	100	100
16	132043	99	100	99	100	99	98	99	95	99	100	100
17	132310	99	100	99	93	99	100	99	95	99	100	90
18	132041	80	90	80	93	80	98	80	95	80	100	100
19	132007	80	100	80	100	80	100	80	100	80	100	90
20	132058	90	100	90	93	90	98	90	100	90	100	100
21	132003	99	100	99	100	99	98	99	100	99	100	100
22	132066	90	90	90	90	90	98	90	100	90	90	90
23	132073	95	90	95	93	95	93	95	90	95	90	100
24	132067	90	80	90	90	90	90	90	90	90	90	90
25	132045	90	100	90	97	90	95	90	100	90	100	100
26	132008	99	100	99	93	99	90	99	100	99	100	100
27	132040	90	100	90	93	90	93	90	95	90	100	100
28	132018	99	100	99	90	99	98	99	100	99	100	100
29	132033	80	100	80	93	80	100	80	100	80	100	100
30	132016	90	100	90	93	90	98	90	90	90	90	100
31	132050	90	100	90	97	90	93	90	90	90	90	90
32	132012	95	100	95	97	95	98	95	90	95	90	100
33	132069	90	100	90	93	90	90	90	90	90	90	90
34	132054	80	100	80	90	80	95	80	100	80	100	90
35	132052	99	100	99	97	99	98	99	100	99	100	100
36	132063	90	100	90	100	90	95	90	100	90	100	100
37	132060	90	100	90	93	90	98	90	95	90	100	100
38	132302	90	90	90	90	90	93	90	90	90	100	80
39	132051	90	100	90	97	90	95	90	90	90	100	100
40	132032	90	100	90	97	90	100	90	100	90	100	100
41	132065	90	100	90	100	90	100	90	100	90	100	90
42	132071	70	90	70	90	70	95	70	90	70	100	80
43	132023	99	100	99	93	99	100	99	100	99	100	100
44	132026	99	100	99	97	99	100	99	90	99	90	100
45	132025	90	100	90	97	90	98	90	90	90	100	100
46	132046	99	100	99	97	99	100	99	100	99	100	100
47	132035	95	100	95	97	95	100	95	100	95	100	100
48	132013	80	100	80	93	80	93	80	90	80	100	80
49	132010	98	80	98	90	98	93	98	90	98	90	90
50	132038	90	90	90	97	90	100	90	90	90	90	100
51	132020	98	90	98	97	98	90	98	90	98	90	100
52	132015	90	90	90	90	90	88	90	90	90	90	90
53	132004	86	90	86	93	86	90	86	90	86	100	100

54	132005	96	90	96	90	96	90	96	90	96	90	100
55	132028	90	90	90	97	90	100	90	95	90	90	100
56	132031	93	90	93	93	93	93	93	90	93	80	100
57	132057	97	100	97	97	97	95	97	95	97	90	100
58	132056	96	80	96	90	96	90	96	95	96	100	90
59	132036	99	100	99	100	99	98	99	90	99	100	100
60	132312	93	90	93	93	93	95	93	90	93	100	100
61	132021	95	100	95	100	95	95	95	90	95	90	100
62	132001	96	100	96	93	96	93	96	95	96	90	100
63	132311	83	90	83	90	83	90	83	90	83	80	100
64	132072	93	90	93	83	93	90	93	90	93	80	80
65	132024	98	100	98	90	98	98	98	90	98	90	100
66	132068	86	90	86	90	86	93	86	90	86	90	90
67	132101	88	100	88	100	88	95	88	90	88	100	100
68	132029	94	80	94	90	94	90	94	90	94	90	100
69	132042	83	80	83	87	83	90	83	90	83	90	70
70	132049	60	90	60	90	60	90	60	90	60	90	90
71	132037	92	80	92	90	92	90	92	90	92	90	100
72	132006	98	90	98	90	98	98	98	100	98	90	100
73	132047	90	90	90	100	90	100	90	100	90	100	100
74	132059	91	100	91	97	91	93	91	100	91	100	100
75	132055	93	90	93	90	93	95	93	100	93	100	90
76	132105	90	90	90	83	90	100	90	100	90	100	80
77	132301	70	70	70	80	70	95	70	95	70	100	90
78	132048	85	90	85	90	85	98	85	95	85	100	100
79	132304	96	90	96	90	96	100	96	90	96	90	100
80	132108	86	90	86	93	86	95	86	95	86	90	90
81	132017	98	90	98	87	98	98	98	95	98	90	100
82	132307	70	90	70	83	70	98	70	95	70	80	90
83	132002	99	100	99	100	99	100	99	90	99	90	100
84	132009	90	90	90	90	90	98	90	95	90	90	100
85	132102	86	90	86	93	86	100	86	95	86	90	100
86	132022	93	90	93	97	93	100	93	100	93	80	100
87	132019	95	100	95	100	95	100	95	95	95	90	100
88	132039	93	90	93	93	93	98	93	95	93	80	100
89	132034	92	90	92	83	92	98	92	100	92	90	90
90	132107	87	90	87	90	87	95	87	95	87	90	90
91	132309	92	80	92	90	92	98	92	90	92	80	90
92	132106	92	80	92	90	92	93	92	90	92	90	90
93	132030	92	90	92	87	92	95	92	95	92	90	100
94	132308	95	70	95	70	95	95	95	90	95	90	100

Benchmark	**C117.1**		**C117.2**		**C117.3**		**C117.4**		**C117.5**		**AU**
	M	**R**	**M**	**R**	**M**	**R**	**M**	**R**	**M**	**R**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	95.74	97.87	95.74	98.94	95.74	100	95.74	100	95.74	100	93.62
Level Obtained	3	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	C117.1	C117.2	C117.3	C117.4	C117.5
Obtained Percentage	90.18	84	85.04	87.18	85.5
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C117:

Course	Internal Test	R	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C117.1	3	3	3	3	3	3	3
C117.2	3	3	3	3	3	3	3
C117.3	3	3	3	3	3	3	3
C117.4	3	3	3	3	3	3	3
C117.5	3	3	3	3	3	3	3
C117							**3**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C117.1	AU Exam	[0.7*Model Exam] + [0.3*R]
C117.2	AU Exam	[0.7*Model Exam] + [0.3*R]
C117.3	AU Exam	[0.7*Model Exam] + [0.3*R]
C117.4	AU Exam	[0.7*Model Exam] + [0.3*R]
C117.5	AU Exam	[0.7*Model Exam] + [0.3*R]

Overall Attainment:

$$C117 = \frac{C117.1 + C117.2 + C117.3 + C117.4 + C117.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6211 - Electrical Circuits Lab: C118
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C118.1		C118.2		C118.3		C118.4		C118.5		AU
		M	R	M	R	M	R	M	R	M	R	
1	132044	94	87	94	90	94	85	94	90	94	90	100
2	132104	96	87	96	90	96	90	96	90	96	90	100
3	132064	90	80	90	77	90	90	90	80	90	90	80
4	132305	90	87	90	80	90	90	90	90	90	90	90
5	132313	92	83	92	83	92	80	92	90	92	85	90
6	132061	96	87	96	87	96	90	96	90	96	90	100
7	132103	95	87	95	87	95	85	95	90	95	90	90
8	132306	98	87	98	90	98	90	98	90	98	90	90
9	132070	96	87	96	90	96	90	96	90	96	80	90
10	132053	92	90	92	87	92	85	92	90	92	80	100
11	132062	96	90	96	90	96	90	96	85	96	85	90
12	132011	99	87	99	90	99	90	99	90	99	90	100
13	132027	92	90	92	90	92	90	92	90	92	90	100
14	132303	92	90	92	90	92	90	92	80	92	90	100
15	132014	96	90	96	87	96	90	96	90	96	80	100
16	132043	98	90	98	90	98	90	98	90	98	85	100
17	132310	96	90	96	87	96	90	96	85	96	90	80
18	132041	92	90	92	90	92	90	92	90	92	80	100
19	132007	98	90	98	87	98	90	98	90	98	85	100
20	132058	98	90	98	90	98	90	98	85	98	85	100
21	132003	99	90	99	90	99	90	99	90	99	90	100
22	132066	94	90	94	90	94	90	94	90	94	90	90
23	132073	95	90	95	90	95	90	95	90	95	90	100
24	132067	92	90	92	87	92	90	92	90	92	85	100
25	132045	92	90	92	90	92	90	92	85	92	90	90
26	132008	94	90	94	90	94	90	94	90	94	80	100
27	132040	94	90	94	90	94	90	94	85	94	90	100
28	132018	94	87	94	90	94	90	94	90	94	90	100
29	132033	96	90	96	90	96	90	96	90	96	90	100
30	132016	98	90	98	90	98	90	98	90	98	90	100
31	132050	98	90	98	90	98	90	98	90	98	90	100
32	132012	99	90	99	90	99	90	99	90	99	90	100
33	132069	92	90	92	87	92	90	92	90	92	90	90
34	132054	96	90	96	83	96	90	96	90	96	90	100
35	132052	94	87	94	90	94	90	94	90	94	90	90
36	132063	94	90	94	83	94	85	94	90	94	90	90
37	132060	96	90	96	90	96	85	96	90	96	90	100
38	132302	96	87	96	90	96	80	96	90	96	85	90
39	132051	98	90	98	90	98	90	98	90	98	90	90
40	132032	98	90	98	90	98	90	98	90	98	90	100
41	132065	92	87	92	90	92	80	92	90	92	90	90
42	132071	92	90	92	90	92	90	92	90	92	90	80
43	132023	98	90	98	90	98	90	98	90	98	90	100
44	132026	99	90	99	90	99	90	99	90	99	90	100
45	132025	94	90	94	90	94	90	94	90	94	90	100
46	132046	99	90	99	90	99	90	99	90	99	90	100
47	132035	99	90	99	90	99	90	99	90	99	90	100
48	132013	94	90	94	90	94	90	94	90	94	90	90
49	132010	98	90	98	83	98	90	98	80	98	75	100
50	132038	98	80	98	87	98	80	98	80	98	85	100
51	132020	96	80	96	87	96	80	96	85	96	85	100
52	132015	97	90	97	90	97	90	97	80	97	90	100
53	132004	96	80	96	87	96	80	96	80	96	85	100

54	132005	98	80	98	87	98	80	98	80	98	85	100
55	132028	99	80	99	80	99	80	99	80	99	80	100
56	132031	98	90	98	90	98	90	98	90	98	90	100
57	132057	92	90	92	83	92	90	92	90	92	85	100
58	132056	98	90	98	90	98	90	98	80	98	90	100
59	132036	99	90	99	90	99	90	99	80	99	85	100
60	132312	98	90	98	90	98	90	98	90	98	90	100
61	132021	98	90	98	90	98	90	98	90	98	90	100
62	132001	99	90	99	90	99	90	99	80	99	80	100
63	132311	96	80	96	80	96	80	96	80	96	80	100
64	132072	86	80	86	87	86	80	86	80	86	80	90
65	132024	96	90	96	83	96	90	96	80	96	80	100
66	132068	96	80	96	80	96	80	96	80	96	80	90
67	132101	98	80	98	80	98	80	98	80	98	80	100
68	132029	92	80	92	87	92	80	92	80	92	80	100
69	132042	93	80	93	83	93	80	93	80	93	80	90
70	132049	92	80	92	87	92	80	92	80	92	85	90
71	132037	92	80	92	87	92	80	92	85	92	85	100
72	132006	98	90	98	90	98	90	98	80	98	80	100
73	132047	90	80	90	87	90	80	90	80	90	80	100
74	132059	98	90	98	90	98	90	98	80	98	85	100
75	132055	98	80	98	87	98	80	98	80	98	80	90
76	132105	96	80	96	80	96	80	96	80	96	80	90
77	132301	90	80	90	83	90	80	90	80	90	80	100
78	132048	92	90	92	87	92	90	92	80	92	80	100
79	132304	98	80	98	80	98	80	98	80	98	80	100
80	132108	90	80	90	83	90	80	90	80	90	80	100
81	132017	94	80	94	80	94	80	94	80	94	80	100
82	132307	98	80	98	80	98	80	98	80	98	80	100
83	132002	98	80	98	80	98	80	98	80	98	80	100
84	132009	96	80	96	87	96	80	96	80	96	80	100
85	132102	94	90	94	87	94	90	94	80	94	80	100
86	132022	98	90	98	83	98	90	98	80	98	80	100
87	132019	98	80	98	80	98	80	98	80	98	80	100
88	132039	96	80	96	80	96	80	96	80	96	80	100
89	132034	92	80	92	80	92	80	92	80	92	80	100
90	132107	96	80	96	83	96	80	96	80	96	80	100
91	132309	96	80	96	80	96	80	96	80	96	80	100
92	132106	96	80	96	80	96	80	96	80	96	80	100
93	132030	96	90	96	83	96	90	96	80	96	80	100
94	132308	98	90	98	87	98	90	98	80	98	80	0

Benchmark	**C118.1**		**C118.2**		**C118.3**		**C118.4**		**C118.5**		**AU**
	M	**R**	**M**	**R**	**M**	**R**	**M**	**R**	**M**	**R**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	100	100	100	98.94	100	100	100	100	100	98.94	95.74
Level Obtained	3	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	C118.1	C118.2	C118.3	C118.4	C118.5
Obtained Percentage	90.21	89.93	86	83.39	86.15
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C118:

Course	Internal Test	R	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C118.1	3	3	3	3	3	3	3
C118.2	3	3	3	3	3	3	3
C118.3	3	3	3	3	3	3	3
C118.4	3	3	3	3	3	3	3
C118.5	3	3	3	3	3	3	3
C118							**3**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C118.1	AU Exam	[0.7*Model Exam] + [0.3*R]
C118.2	AU Exam	[0.7*Model Exam] + [0.3*R]
C118.3	AU Exam	[0.7*Model Exam] + [0.3*R]
C118.4	AU Exam	[0.7*Model Exam] + [0.3*R]
C118.5	AU Exam	[0.7*Model Exam] + [0.3*R]

Overall Attainment:

$$C118 = \frac{C118.1 + C118.2 + C118.3 + C118.4 + C118.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch –
Course: MA6351 - Transforms and Partial Differential Equations: C201
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C201.1		C201.2		C201.3		C201.4		C201.5		AU
		CIT1	A1	CIT1	A1	CIT2	A2	CIT2	A2	CIT3	A3	
1	132044	96	100	96	100	90	100	90	100	87	100	80
2	132104	70	100	70	100	74	100	74	100	84	100	80
3	142912	20	100	20	100	56	100	56	100	50	100	50
4	142905	7	A	7	A	16	A	16	A	22		0
5	132064	64	100	64	100	16	100	16	100	26	100	50
6	132305	12	100	12	100	10	100	10	100	15	100	0
7	142915	50	100	50	100	71	100	71	100	50	100	50
8	132313	0	100	0	100	4	100	4	100	0	100	0
9	132061	71	100	71	100	100	100	100	100	90	100	60
10	132103	61	100	61	100	82	100	82	100	58	100	50
11	132306	60	100	60	100	82	100	82	100	75	100	80
12	132070	50	100	50	100	50	100	50	100	11	100	50
13	142917	8	100	8	100	10	100	10	100	19	100	0
14	132053	51	100	51	100	68	100	68	100	50	100	50
15	142913	51	100	51	100	76	100	76	100	54	100	50
16	132062	63	100	63	100	76	100	76	100	72	100	90
17	132011	86	100	86	100	100	100	100	100	96	100	100
18	132027	80	100	80	100	76	100	76	100	73	100	90
20	132303	51	100	51	100	78	100	78	100	55	100	50
21	142920	14	100	14	100	0	100	0	100	17	100	0
22	132014	53	100	53	100	90	100	90	100	58	100	80
23	132043	100	100	100	100	100	100	100	100	96	100	100
24	132310	50	100	50	100	54	100	54	100	16	100	50
25	142926	10	100	10	100	10	100	10	100	3	100	0
26	132041	50	100	50	100	50	100	50	100	55	100	0
27	142904	50	100	50	100	62	100	62	100	64	100	0
28	132007	51	100	51	100	76	100	76	100	73	100	70
29	132058	81	100	81	100	95	100	95	100	94	100	70
30	132003	74	100	74	100	100	100	100	100	80	100	100
31	142928	38	A	38	A	2	A	2	A	9		50
32	132066	60	100	60	100	36	100	36	100	28	100	0
33	142927	16	100	16	100	30	100	30	100	27	100	0
34	132073	99	100	99	100	100	100	100	100	100	100	100
35	132067	53	100	53	100	81	100	81	100	84	100	50
36	142921	26	100	26	100	24	100	24	100	33	100	50
37	142916	18	100	18	100	50	100	50	100	29	100	50
38	132045	50	100	50	100	50	100	50	100	80	100	50
39	132008	25	100	25	100	19	100	19	100	37	100	50
40	132040	88	100	88	100	100	100	100	100	95	100	90
41	142924	50	100	50	100	A	100	A	100	64	100	90
42	142922	22	100	22	100	10	100	10	100	30	100	50
43	132018	50	100	50	100	67	100	67	100	72	100	50
44	132033	82	100	82	100	81	100	81	100	98	100	50
45	132016	94	100	94	100	100	100	100	100	100	100	90
46	132050	A	100	A	100	98	100	98	100	100	100	90
47	132012	71	100	71	100	100	100	100	100	95	100	90
48	132069	55	100	55	100	70	100	70	100	75	100	50
49	132054	88	100	88	100	100	100	100	100	98	100	80

50	132052	90	100	90	100	69	100	69	100	77	100	80
51	132063	50	100	50	100	54	100	54	100	50	100	0
52	132060	20	100	20	100	36	100	36	100	50	100	0
53	132302	50	100	50	100	50	100	50	100	18	100	50
54	142908	59	100	59	100	71	100	71	100	50	100	80
55	142909	56	100	56	100	50	100	50	100	50	100	60
56	142919	92	100	92	100	97	100	97	100	67	100	90
57	132051	84	100	84	100	98	100	98	100	84	100	100
58	132032	85	100	85	100	94	100	94	100	79	100	80
59	142902	26	100	26	100	20	100	20	100	50	100	0
60	132065	52	100	52	100	28	100	28	100	50	100	50
61	132071	20	100	20	100	32	100	32	100	28	100	50
62	132023	100	100	100	100	100	100	100	100	92	100	90
63	132026	90	100	90	100	94	100	94	100	100	100	90
64	132025	78	100	78	100	86	100	86	100	96	100	70
65	142931	22	100	22	100	40	100	40	100	24	100	50
66	132046	91	100	91	100	93	100	93	100	89	100	90
67	132035	66	100	66	100	100	100	100	100	97	100	90
68	132013	74	100	74	100	69	100	69	100	51	100	50
69	132010	81	100	81	100	96	100	96	100	77	100	90
71	132020	99	100	99	100	100	100	100	100	82	100	80
72	132015	78	100	78	100	90	100	90	100	58	100	70
73	132004	74	100	74	100	50	100	50	100	50	100	80
74	132005	98	100	98	100	96	100	96	100	50	100	80
75	132028	87	100	87	100	98	100	98	100	71	100	100
76	142907	70	100	70	100	84	100	84	100	65	100	50
77	142925	22	100	22	100	20	100	20	100	12	100	0
78	142401	98	100	98	100	94	100	94	100	78	100	80
79	132031	88	100	88	100	88	100	88	100	71	100	90
80	132057	100	100	100	100	100	100	100	100	85	100	90
81	132056	95	100	95	100	98	100	98	100	61	100	90
82	132036	100	100	100	100	98	100	98	100	80	100	90
83	132312	96	100	96	100	98	100	98	100	77	100	90
84	142933	20	100	20	100	A	100	A	100	13	100	50
85	132021	100	100	100	100	90	100	90	100	100	100	90
86	132001	90	100	90	100	100	100	100	100	91	100	100
87	132311	80	100	80	100	61	100	61	100	50	100	50
88	132072	33	100	33	100	0	100	0	100	7	100	0
89	132024	93	100	93	100	100	100	100	100	100	100	100
90	132068	51	100	51	100	6	100	6	100	0	100	50
91	132101	83	100	83	100	90	100	90	100	74	100	70
92	142914	24	100	24	100	68	100	68	100	28	100	0
93	132029	96	100	96	100	95	100	95	100	75	100	90
94	132042	36	100	36	100	42	100	42	100	13	100	50
95	132049	66	100	66	100	14	100	14	100	13	100	0
96	132037	73	100	73	100	84	100	84	100	66	100	80
97	142930	40	100	40	100	50	100	50	100	40	100	0
98	142929	A	A	A	A	A	A	A	A	A		
99	132006	100	100	100	100	90	100	90	100	92	100	100
100	132047	88	100	88	100	92	100	92	100	78	100	90
101	132059	98	100	98	100	90	100	90	100	81	100	90
102	132055	73	100	73	100	62	100	62	100	51	100	70
103	142901	63	100	63	100	67	100	67	100	50	100	50
104	132105	72	100	72	100	73	100	73	100	35	100	60
105	132301	94	100	94	100	59	100	59	100	23	100	70

106	132048	79	100	79	100	85	100	85	100	68	100	80
107	132304	88	100	88	100	91	100	91	100	84	100	70
108	132108	62	100	62	100	54	100	54	100	50	100	70
109	132017	100	100	100	100	98	100	98	100	99	100	90
110	142911	70	100	70	100	94	100	94	100	57	100	70
111	142910	34	100	34	100	29	100	29	100	41	100	0
112	132307	31	100	31	100	28	100	28	100	13	100	50
113	142918	35	100	35	100	58	100	58	100	40	100	50
114	132002	90	100	90	100	98	100	98	100	55	100	90
115	132009	90	100	90	100	100	100	100	100	80	100	90
116	132102	70	100	70	100	92	100	92	100	78	100	90
117	132022	82	100	82	100	91	100	91	100	91	100	60
118	132019	98	100	98	100	98	100	98	100	95	100	100
119	142903	10	100	10	100	9	100	9	100	1	100	0
120	132039	96	100	96	100	100	100	100	100	70	100	60
121	132034	84	100	84	100	92	100	92	100	84	100	80
122	132107	68	100	68	100	60	100	60	100	20	100	50
123	142923	50	100	50	100	28	100	28	100	34	100	50
124	132309	74	100	74	100	70	100	70	100	50	100	50
125	132106	76	100	76	100	59	100	59	100	50	100	50
126	132030	100	100	100	100	100	100	100	100	60	100	70
127	132308	62	100	62	100	74	100	74	100	27	100	50

Benchmark	**C201.1**		**C201.2**		**C201.3**		**C201.4**		**C201.5**		**AU**
	CIT1	**A1**	**CIT1**	**A1**	**CIT2**	**A2**	**CIT2**	**A2**	**CIT3**	**A3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	60.16	100	60.16	100	65.57	100	65.57	100	50	97.6	49.6
Level Obtained	1	3	1	3	1	3	1	3	0	3	0

Survey:

Survey	**C201.1**	**C201.2**	**C201.3**	**C201.4**	**C201.5**
Obtained Percentage	90.81	91.39	91.2	90.6	91.22
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C201:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C201.1	1	3	1.6	0	0.64	3	1.11
C201.2	1	3	1.6	0	0.64	3	1.11
C201.3	1	3	1.6	0	0.64	3	1.11
C201.4	1	3	1.6	0	0.64	3	1.11
C201.5	0	3	1.6	0	0.36	3	0.89
C201							**1.07**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C201.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C201.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C201.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C201.4	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C201.5	AU Exam	[0.7*Internal Test + 0.3*Assignment]

Overall Attainment:

$$C201 = \frac{C201.1 + C201.2 + C201.3 + C201.4 + C201.5}{5} = 1.07$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6301 - Digital Logic Circuits C202
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	CO 202.1		CO 202.2	CO 202.3		CO 202.4	CO 202.5	AU Exam
		CIT-1	A1	CIT-1	CIT-2	A2	CIT-2	CIT-3	
1	132044	100	90	100	80	90	80	88	80
2	132104	100	90	100	82	90	82	78	80
3	132064	50	90	50	18	90	18	32	0
4	132305	50	90	50	26	90	26	32	0
5	132313	50	90	50	8	90	8	27	0
6	132061	76	90	76	66	90	66	78	60
7	132103	74	90	74	54	90	54	72	70
8	132306	98	90	98	70	90	70	74	90
9	132070	32	90	32	10	90	10	19	50
10	132053	84	90	84	52	90	52	56	70
11	132062	60	90	60	56	90	56	84	70
12	132011	96	90	96	92	90	92	93	80
13	132027	80	90	80	50	90	50	76	80
14	132303	74	90	74	52	90	52	73	50
15	132014	66	90	66	72	90	72	64	60
16	132043	90	90	90	85	90	85	90	70
17	132310	60	90	60	24	90	24	34	60
18	132041	64	90	64	50	90	50	63	50
19	132007	66	90	66	82	90	82	81	70
20	132058	90	90	90	50	90	50	91	70
21	132003	96	90	96	92	90	92	88	90
22	132066	20	90	20	52	90	52	50	0
23	132073	92	90	92	80	100	80	94	80
24	132067	54	90	54	52	90	52	60	0
25	132045	74	90	74	52	90	52	41	70
26	132008	62	90	62	52	90	52	61	60
27	132040	92	90	92	82	90	82	82	90
28	132018	86	90	86	70	90	70	71	80
29	132033	50	90	50	50	90	50	60	70
30	132016	100	90	100	98	90	98	95	70
31	132050	0	0	0	84	90	84	86	50
32	132012	88	90	88	84	90	84	84	70
33	132069	68	90	68	66	100	66	83	60
34	132054	88	90	88	76	90	76	93	50
35	132052	92	90	92	56	100	56	78	80
36	132063	52	90	52	20	90	20	50	60
37	132060	50	90	50	50	90	50	52	50
38	132302	58	90	58	24	90	24	32	50
39	132051	86	90	86	68	90	68	78	80
40	132032	90	90	90	60	90	60	84	70
41	132065	78	90	78	54	90	54	58	70
42	132071	58	90	58	16	90	16	16	0
43	132023	100	90	100	82	100	82	96	80
44	132026	98	90	98	88	90	88	87	80
45	132025	82	90	82	70	90	70	80	50
46	132046	84	90	84	70	100	70	92	90

47	132035	68	90	68	56	90	56	86	80
48	132013	64	90	64	52	90	52	58	70
49	132010	50	90	50	54	90	54	83	60
50	132020	96	90	96	88	90	88	91	90
51	132015	60	90	60	58	90	58	73	80
52	132004	80	90	80	62	90	62	70	80
53	132005	64	90	64	64	90	64	70	50
54	132028	72	90	72	52	90	52	78	60
55	132031	82	90	82	60	90	60	79	80
56	132057	86	90	86	88	90	88	92	90
57	132056	68	90	68	74	90	74	76	80
58	132036	100	90	100	94	90	94	94	90
59	132312	62	90	62	50	90	50	72	60
60	132021	100	90	100	81	90	81	94	90
61	132001	98	90	98	94	90	94	91	60
62	132311	72	90	72	62	90	62	56	70
63	132072	24	90	24	22	90	22	40	50
64	132024	90	90	90	86	90	86	92	60
65	132068	34	90	34	18	90	18	23	50
66	132101	60	90	60	50	90	50	68	70
67	132029	52	90	52	54	90	54	71	60
68	132042	18	90	18	28	90	28	56	60
69	132049	28	90	28	50	90	50	8	50
70	132037	56	90	56	52	90	52	77	0
71	132006	98	90	98	80	90	80	88	70
72	132047	64	90	64	70	90	70	81	80
73	132059	80	90	80	92	90	92	81	80
74	132055	50	90	50	18	90	18	62	70
75	132105	51	90	51	50	90	50	50	70
76	132301	86	90	86	50	90	50	50	50
77	132048	60	90	60	18	90	18	68	80
78	132304	54	90	54	72	90	72	74	60
79	132108	66	90	66	54	90	54	38	70
80	132017	80	90	80	68	90	68	86	60
81	132307	50	90	50	56	90	56	33	50
82	132002	50	90	50	74	90	74	74	90
83	132009	60	90	60	68	90	68	83	80
84	132102	60	90	60	68	90	68	68	70
85	132022	80	100	80	80	90	80	91	90
86	132019	86	100	86	74	90	74	87	90
87	132039	94	100	94	80	90	80	91	60
88	132034	72	90	72	80	90	80	81	70
89	132107	32	90	32	50	90	50	37	50
90	132309	84	90	84	72	90	72	60	70
91	132106	32	90	32	28	90	28	59	50
92	132030	62	90	62	76	90	76	84	70
93	132308	84	90	84	54	90	54	75	80
94	142912	66	90	66	50	90	50	55	0
95	142905	54	90	54	52	90	52	29	50
96	142915	60	90	60	50	90	50	89	60
97	142917	20	90	20	20	90	20	32	50

98	142913	80	90	80	70	90	70	82	70
99	142920	50	90	50	8	90	8	38	0
100	142926	34	90	34	12	90	12	40	0
101	142904	76	90	76	58	90	58	68	90
102	142927	54	90	54	26	90	26	50	0
103	142921	50	90	50	28	90	28	40	50
104	142916	30	90	30	14	90	14	42	0
105	142934	34	90	34	56	90	56	0	0
106	142924	80	90	80	58	90	58	59	60
107	142922	56	90	56	50	90	50	70	60
108	142908	64	90	64	64	90	64	76	80
109	142909	60	90	60	26	90	26	67	50
110	142919	88	90	88	80	90	80	88	80
111	142902	76	90	76	50	90	50	52	0
112	142931	76	90	76	50	90	50	58	50
113	142907	54	90	54	64	90	64	0	60
114	142925	22	90	22	52	90	52	18	0
115	142933	18	90	18	0	90	0	52	0
116	142914	20	90	20	50	90	50	75	50
117	142930	22	90	22	52	90	52	28	0
118	142901	50	90	50	72	90	72	84	50
119	142911	50	90	50	86	90	86	76	70
120	142910	24	90	24	18	90	18	71	50
121	142918	50	90	50	60	90	60	60	50
122	142903	28	90	28	16	90	16	15	0
123	142923	30	90	30	50	90	50	65	60
124	142401	54	90	54	56	90	56	77	80
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		62.1	99.19	62.1	44.35	100	44.35	66.13	44.39
Level obtained		1	3	1	0	3	0	1	0

Survey:

Survey	C202.1	C202.2	C202.3	C202.4	C202.5
Obtained Percentage	90.65	91.8	91.08	91.17	90.67
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C202:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C202.1	1	3	**1.6**	0	**0.64**	3	**1.11**
C202.2	1	-	**1**	0	**0.4**	3	**0.92**
C202.3	0	3	**0.9**	0	**0.36**	3	**0.89**
C202.4	0	-	**0**	0	**0**	3	**0.6**
C202.5	1	-	**1**	0	**0.4**	3	**0.92**
C202							**0.89**

C202.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C202.2 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C202.3 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C202.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C202.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C202 = \frac{C202.1 + C202.2 + C202.3 + C202.4 + C202.5}{5} = 0.89$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: C203
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C203.1		C203.2		C203.3	C203.4	C203.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	132044	100	100	100	100	98	98	96	70
2	132104	100	100	100	100	80	80	98	70
3	132064	46	80	46	90	62	62	50	50
4	132305	44	70	44	80	54	54	50	50
5	132313	30	70	30	80	50	50	0	0
6	132061	74	80	74	50	62	62	98	50
7	132103	50	50	50	50	64	64	98	50
8	132306	84	90	84	90	82	82	96	70
9	132070	38	60	38	70	56	56	82	50
10	132053	60	50	60	60	50	50	96	50
11	132062	70	60	70	70	50	50	98	50
12	132011	100	100	100	100	100	100	96	60
13	132027	68	60	68	70	64	64	96	50
14	132303	100	70	100	80	72	72	96	70
15	132014	56	70	56	80	86	86	50	50
16	132043	100	100	100	100	100	100	96	70
17	132310	50	60	50	70	52	52	96	50
18	132041	50	60	50	70	58	58	96	50
19	132007	82	70	82	80	50	50	76	50
20	132058	96	90	96	90	94	94	98	70
21	132003	100	80	100	90	100	100	99	80
22	132066	44	50	44	60	8	8	96	0
23	132073	99	80	99	90	100	100	96	90
24	132067	40	50	40	60	64	64	96	50
25	132045	66	60	66	50	90	90	25	50
26	132008	56	50	56	50	38	38	72	0
27	132040	82	80	82	70	98	98	96	80
28	132018	94	90	94	70	60	60	94	50
29	132033	56	60	56	70	60	60	92	60
30	132016	100	100	100	80	88	88	96	80
31	132050	42	50	42	70	84	84	96	50
32	132012	90	70	90	70	100	100	98	50
33	132069	38	50	38	60	92	92	94	0
34	132054	100	90	100	70	86	86	96	70
35	132052	90	100	90	80	90	90	96	70
36	132063	46	40	46	40	54	54	94	50
37	132060	42	40	42	30	50	50	92	50
38	132302	58	50	58	50	50	50	92	50
39	132051	100	80	100	70	88	88	96	90
40	132032	90	80	90	70	80	80	98	70
41	132065	42	60	42	50	50	50	96	50
42	132071	46	50	46	50	50	50	90	50
43	132023	100	100	100	80	100	100	96	70
44	132026	100	90	100	70	94	94	96	70
45	132025	64	70	64	70	62	62	96	50
46	132046	94	90	94	70	100	100	98	70

47	132035	100	100	100	90	100	100	96	70
48	132013	42	50	42	70	100	100	98	50
49	132010	78	90	78	90	100	100	98	50
50	132020	100	100	100	90	100	100	96	70
51	132015	100	100	100	90	100	100	88	60
52	132004	38	70	38	80	70	70	96	60
53	132005	100	90	100	90	92	92	90	70
54	132028	100	90	100	90	72	72	96	60
55	132031	84	90	84	90	96	96	96	80
56	132057	100	90	100	90	92	92	98	70
57	132056	100	100	100	90	86	86	98	70
58	132036	100	100	100	90	100	100	94	70
59	132312	80	90	80	80	70	70	92	50
60	132021	100	100	100	90	100	100	96	80
61	132001	100	100	100	90	100	100	98	90
62	132311	66	80	66	70	66	66	92	60
63	132072	38	50	38	60	10	10	20	0
64	132024	100	80	100	90	100	100	92	90
65	132068	50	60	50	70	68	68	96	50
66	132101	60	60	60	70	56	56	96	60
67	132029	100	80	100	90	64	64	96	50
68	132042	34	50	34	60	50	50	88	50
69	132049	34	50	34	60	52	52	36	0
70	132037	50	60	50	70	60	60	94	50
71	132006	100	100	100	90	100	100	98	70
72	132047	82	80	82	90	98	98	92	50
73	132059	90	90	90	80	94	94	96	70
74	132055	70	80	70	80	52	52	96	60
75	132105	74	70	74	80	52	52	68	60
76	132301	100	80	100	90	100	100	92	70
77	132048	60	70	60	90	ab	ab	94	50
78	132304	66	70	66	90	70	70	96	50
79	132108	76	70	76	80	50	50	94	50
80	132017	86	80	86	80	100	100	98	70
81	132307	46	60	46	60	50	50	50	50
82	132002	82	70	82	60	100	100	98	70
83	132009	100	90	100	80	100	100	92	80
84	132102	88	90	88	90	70	70	92	70
85	132022	100	100	100	90	100	100	96	80
86	132019	100	100	100	90	100	100	96	90
87	132039	100	100	100	90	100	100	96	80
88	132034	100	100	100	90	82	82	96	70
89	132107	36	70	36	90	54	54	26	50
90	132309	50	60	50	80	58	58	92	60
91	132106	40	60	40	80	54	54	88	50
92	132030	100	80	100	80	74	74	96	50
93	132308	78	80	78	80	50	50	92	50
94	142912	46	50	46	60	52	52	60	50
95	142905	30	50	30	60	14	14	8	50
96	142915	42	50	42	60	60	60	79	50
97	142917	30	50	30	60	20	20	16	50

98	142913	46	**50**	46	**60**	64	64	80	**50**
99	142920	30	**60**	30	**80**	30	30	50	**50**
100	142926	30	**40**	30	**70**	4	4	36	**50**
101	142904	46	**40**	46	**40**	60	60	76	**50**
102	142927	34	**40**	34	**40**	50	50	56	**50**
103	142921	34	**60**	34	**80**	50	50	50	**50**
104	142916	30	**40**	30	**40**	32	32	0	**50**
105	142934	30	**40**	30	**40**	38	38	ab	**0**
106	142924	56	**50**	56	**40**	62	62	92	**50**
107	142922	30	**40**	30	**40**	50	50	76	**50**
108	142908	50	**50**	50	**40**	72	72	62	**50**
109	142909	34	**60**	34	**80**	56	56	50	**50**
110	142919	66	**80**	66	**80**	86	86	90	**50**
111	142902	30	**40**	30	**40**	62	62	50	**50**
112	142931	38	**40**	38	**40**	86	86	74	**50**
113	142907	78	**80**	78	**80**	86	86	92	**50**
114	142925	30	**60**	30	**60**	4	4	26	**0**
115	142933	34	**60**	34	**60**	78	78	60	**60**
116	142914	38	**60**	38	**60**	70	70	86	**50**
117	142930	38	**50**	38	**50**	50	50	50	**50**
118	142901	42	**60**	42	**60**	64	64	86	**0**
119	142911	54	**80**	54	**80**	56	56	90	**50**
120	142910	30	**60**	30	**60**	50	50	82	**60**
121	142918	38	**60**	38	**60**	50	50	72	**50**
122	142903	34	**60**	34	**60**	8	8	2	**50**
123	142923	30	**60**	30	**60**	12	12	10	**0**
124	142401	92	**80**	92	**80**	78	78	94	**50**
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		55.23	43.55	55.23	49.19	62.9	62.9	81.45	30.65
Level obtained		0	0	0	0	1	1	3	0

Survey:

Survey	**C203.1**	**C203.2**	**C203.3**	**C203.4**	**C203.5**
Obtained Percentage	93.76	93.12	93.46	92.85	93.23
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C203:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C203.1	0	0	**0**	0	**0**	**3**	**0.6**
C203.2	0	0	**0**	0	**0**	**3**	**0.6**
C203.3	1	-	**1**	0	**0.4**	**3**	**0.92**
C203.4	1	-	**1**	0	**0.4**	**3**	**0.92**
C203.5	3	-	**3**	0	**1.2**	**3**	**1.56**
C203							**0.92**

C203.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C203.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C203.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C203.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C203.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C203 = \frac{C203.1 + C203.2 + C203.3 + C203.4 + C203.5}{5} = 0.92$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: C204
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C204.1		C204.2		C204.3	C204.4	C204.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	132044	99	100	99	100	90	90	98	80
2	132104	96	100	96	100	77	77	90	50
3	132064	71	90	71	100	71	71	55	0
4	132305	65	100	65	100	74	74	58	70
5	132313	41	100	41	100	50	50	50	0
6	132061	68	70	68	100	89	89	93	60
7	132103	94	100	94	100	86	86	96	70
8	132306	93	100	93	100	89	89	86	60
9	132070	59	90	59	100	50	50	50	0
10	132053	90	100	90	100	94	94	55	50
11	132062	86	100	86	100	70	70	83	60
12	132011	92	100	92	100	78	78	95	80
13	132027	84	100	84	100	78	78	79	50
14	132303	94	100	94	100	88	88	83	80
15	132014	67	100	67	100	82	82	60	70
16	132043	94	100	94	100	90	90	95	90
17	132310	72	80	72	100	79	79	80	50
18	132041	73	80	73	100	88	88	89	50
19	132007	88	100	88	100	91	91	90	90
20	132058	96	100	96	100	78	78	84	60
21	132003	98	70	98	100	90	90	97	100
22	132066	50	100	50	100	50	50	56	0
23	132073	96	100	96	100	94	94	97	90
24	132067	50	100	50	100	75	75	50	0
25	132045	71	100	71	100	87	87	26	60
26	132008	40	70	40	100	57	57	37	0
27	132040	94	100	94	100	88	88	96	90
28	132018	76	100	76	100	88	88	64	70
29	132033	63	100	63	100	80	80	76	70
30	132016	92	100	92	100	87	87	97	100
31	132050	A	70	A	100	89	89	86	50
32	132012	96	100	96	100	85	85	93	90
33	132069	69	70	69	100	54	54	59	0
34	132054	82	100	82	100	84	84	92	50
35	132052	90	100	90	100	88	88	90	80
36	132063	67	100	67	100	79	79	36	70
37	132060	66	100	66	100	71	71	61	50
38	132302	79	100	79	100	79	79	59	50
39	132051	87	70	87	100	84	84	87	70
40	132032	85	100	85	100	77	77	78	70
41	132065	63	100	63	100	55	55	70	50
42	132071	37	100	37	100	76	76	52	50

43	132023	94	70	94	70	68	68	97	90
44	132026	84	100	84	100	93	93	95	90
45	132025	75	70	75	70	85	85	92	70
46	132046	90	100	90	100	99	99	97	90
47	132035	96	100	96	100	89	89	97	70
48	132013	86	80	86	70	93	93	90	50
49	132010	94	100	94	100	98	98	94	70
50	132020	94	100	94	100	98	98	98	90
51	132015	86	100	86	100	72	72	60	80
52	132004	96	100	96	100	88	88	73	70
53	132005	98	100	98	100	96	96	95	70
54	132028	96	100	96	100	98	98	99	90
55	132031	98	80	98	100	94	94	98	50
56	132057	98	80	98	100	82	82	98	100
57	132056	84	100	84	100	92	92	90	60
58	132036	94	100	94	100	96	96	99	90
59	132312	92	100	92	100	94	94	96	90
60	132021	98	100	98	100	98	98	90	70
61	132001	98	100	98	100	94	94	99	90
62	132311	90	80	90	100	70	70	70	70
63	132072	80	100	80	90	56	56	50	0
64	132024	92	100	92	90	98	98	80	80
65	132068	96	80	96	100	80	80	0	0
66	132101	94	80	94	100	94	94	84	60
67	132029	94	80	94	100	76	76	82	70
68	132042	80	90	80	100	72	72	87	60
69	132049	78	100	78	100	74	74	15	0
70	132037	82	100	82	90	94	94	61	50
71	132006	98	100	98	100	96	96	98	90
72	132047	98	100	98	100	98	98	96	90
73	132059	96	90	96	100	92	92	60	90
74	132055	92	90	92	100	78	78	66	80
75	132105	96	100	96	100	70	70	56	80
76	132301	84	100	84	100	96	96	75	50
77	132048	98	100	98	100	A	A	94	60
78	132304	98	100	98	100	94	94	98	70
79	132108	96	100	96	100	88	88	85	50
80	132017	100	100	100	100	98	98	99	100
81	132307	70	100	70	100	76	76	75	50
82	132002	94	100	94	100	96	96	98	80
83	132009	92	100	92	100	92	92	95	90
84	132102	98	100	98	100	94	94	95	80
85	132022	98	100	98	100	98	98	99	100
86	132019	94	100	94	100	94	94	98	90
87	132039	96	100	96	100	98	98	98	80
88	132034	88	100	88	100	82	82	75	70
89	132107	96	90	96	100	94	94	81	70
90	132309	98	100	98	90	98	98	99	100

91	132106	92	100	92	100	76	76	70	0
92	132030	96	80	96	100	96	96	94	70
93	132308	74	100	74	100	70	70	75	60
94	142912	72	80	72	100	61	61	60	50
95	142905	53	80	53	100	67	67	50	50
96	142915	53	100	53	90	69	69	73	50
97	142917	24	80	24	100	14	14	25	0
98	142913	90	80	90	100	81	81	79	50
99	142920	42	80	42	90	34	34	56	0
100	142926	32	100	32	100	10	10	43	0
101	142904	82	80	82	100	71	71	68	60
102	142928	50	80	50	100	32	32	30	0
103	142927	50	80	50	100	30	30	32	0
104	142921	56	80	56	100	28	28	62	0
105	142916	28	80	28	100	50	50	50	0
106	142934	40	80	40	100	A	A	16	0
107	142924	74	80	74	100	64	64	57	50
108	142922	31	80	31	100	68	68	57	0
109	142908	69	80	69	100	80	80	70	70
110	142909	76	80	76	100	52	52	65	50
111	142919	80	80	80	100	90	90	95	70
112	142902	72	80	72	100	85	85	79	70
113	142931	26	80	26	100	32	32	52	50
114	142907	94	80	94	100	76	76	97	0
115	142925	52	80	52	100	10	10	50	0
116	142401	98	80	98	100	96	96	90	80
117	142933	60	80	60	100	48	48	64	0
118	142914	78	80	78	100	82	82	94	70
119	142930	56	80	56	100	94	94	67	50
120	142901	100	80	100	100	92	92	92	70
121	142911	98	80	98	100	88	88	99	70
122	142910	80	80	80	100	84	84	71	50
123	142918	84	80	84	100	64	64	85	70
124	142903	38	80	38	100	14	14	85	0
125	142923	70	80	70	100	30	30	62	50
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		83.06	93.6	93.06	97.6	83.74	83.74	76.8	50.4
Level obtained		3	3	3	3	3	3	2	0

Survey:

Survey	C204.1	C204.2	C204.3	C204.4	C204.5
Obtained Percentage	95.07	95.71	95.73	96.44	95.04
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C204:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C204.1	3	3	**3**	0	**1.2**	**3**	**1.56**
C204.2	3	3	**3**	0	**1.2**	**3**	**1.56**
C204.3	3	-	**3**	0	**1.2**	**3**	**1.56**
C204.4	3	-	**3**	0	**1.2**	**3**	**1.56**
C204.5	2	-	**2**	0	**0.8**	**3**	**1.24**
C204							**1.5**

C204.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C204.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C204.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C204.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C204.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C204 = \frac{C204.1 + C204.2 + C204.3 + C204.4 + C204.5}{5} = 1.5$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EC6202 - Electronic Devices and Circuits C205
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C205.1		C205.2		C205.3		C205.4	C205.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	A2	CIT-2	CIT-3	
1	132044	96	100	96	100	62	100	62	99	70
2	132104	98	100	98	100	90	100	90	99	70
3	132064	76	100	76	100	32	100	32	42	50
4	132305	64	100	64	100	8	100	8	58	50
5	132313	60	100	60	100	30	100	30	58	
6	132061	96	100	96	100	90	100	90	99	70
7	132103	94	100	94	100	64	100	64	80	50
8	132306	98	100	98	100	80	100	80	98	60
9	132070	66	100	66	100	50	100	50	99	
10	132053	96	100	96	100	50	100	50	81	50
11	132062	96	100	96	100	62	100	62	98	70
12	132011	96	100	96	100	82	100	82	98	80
13	132027	96	100	96	100	50	100	50	90	60
14	132303	98	100	98	100	76	100	76	80	80
15	132014	88	100	88	100	20	100	20	71	50
16	132043	96	100	96	100	82	100	82	99	70
17	132310	68	100	68	100	74	100	74	29	50
18	132041	74	100	74	100	14	100	14	85	50
19	132007	92	100	92	100	94	100	94	94	70
20	132058	96	100	96	100	78	100	78	88	70
21	132003	98	100	98	100	84	100	84	99	80
22	132066	68	100	68	100	60	100	60	60	
23	132073	96	100	96	100	84	100	84	99	80
24	132067	86	100	86	100	76	100	76	89	50
25	132045	96	100	96	100	50	100	50	27	
26	132008	60	100	60	100	58	100	58	99	50
27	132040	96	100	96	100	90	100	90	98	70
28	132018	88	100	88	100	70	100	70	85	70
29	132033	76	100	76	100	50	100	50	91	50
30	132016	96	100	96	100	88	100	88	99	80
31	132050	A	100	A	100	94	100	94	99	60
32	132012	96	100	96	100	50	100	50	99	70
33	132069	96	100	96	100	52	100	52	99	70
34	132054	98	100	98	100	84	100	84	99	70
35	132052	96	100	96	100	58	100	58	99	50
36	132063	92	100	92	100	28	100	28	80	50
37	132060	96	100	96	100	26	100	26	82	50
38	132302	88	100	88	100	68	100	68	88	50
39	132051	96	100	96	100	52	100	52	98	70
40	132032	96	100	96	100	76	100	76	99	60
41	132065	82	100	82	100	20	100	20	90	50
42	132071	68	100	68	100	4	100	4	99	50
43	132023	96	100	96	100	96	100	96	99	70
44	132026	98	100	98	100	96	100	96	98	70
45	132025	88	100	88	100	68	100	68	96	50
46	132046	96	100	96	100	86	100	86	99	70

47	132035	99	100	99	100	90	100	90	99	60
48	132013	96	100	96	100	90	100	90	99	60
49	132010	80	100	80	100	50	100	50	86	50
50	132020	90	100	90	100	60	100	60	95	80
51	132015	88	100	88	100	70	100	70	77	60
52	132004	88	100	88	100	50	100	50	73	70
53	132005	86	100	86	100	74	100	74	81	70
54	132028	86	100	86	100	68	100	68	87	70
55	132031	90	100	90	100	72	100	72	83	90
56	132057	90	100	90	100	64	100	64	93	80
57	132056	84	0	84	100	76	100	76	84	70
58	132036	90	100	90	100	86	100	86	92	90
59	132312	82	100	82	100	56	100	56	85	70
60	132021	92	100	92	100	88	100	88	89	90
61	132001	92	100	92	100	58	100	58	88	70
62	132311	64	100	64	100	20	100	20	78	50
63	132072	58	0	58	100	16	100	16	37	
64	132024	90	100	90	100	58	100	58	86	80
65	132068	68	0	68	100	14	100	14	25	50
66	132101	88	100	88	0	50	0	50	87	80
67	132029	80	100	80	100	62	100	62	75	60
68	132042	62	100	62	100	50	100	50	77	80
69	132049	84	0	84	100	18	100	18	37	
70	132037	90	100	90	100	18	100	18	87	50
71	132006	88	100	88	100	64	100	64	86	80
72	132047	86	100	86	100	64	100	64	85	70
73	132059	70	100	70	100	62	100	62	93	90
74	132055	84	100	84	100	50	100	50	77	80
75	132105	72	0	72	100	50	100	50	71	50
76	132301	80	100	80	100	58	100	58	86	70
77	132048	82	100	82	100	50	100	50	82	70
78	132304	92	100	92	100	50	100	50	85	80
79	132108	74	100	74	100	50	100	50	75	60
80	132017	90	100	90	100	62	100	62	92	80
81	132307	38	100	38	100	22	100	22	65	50
82	132002	90	100	90	100	56	100	56	91	70
83	132009	90	100	90	100	82	100	82	88	70
84	132102	88	100	88	100	50	100	50	85	70
85	132022	88	100	88	100	58	100	58	90	80
86	132019	88	100	88	100	68	100	68	91	80
87	132039	86	100	86	100	62	100	62	89	80
88	132034	84	100	84	100	70	100	70	80	90
89	132107	78	100	78	100	16	100	16	68	60
90	132309	82	100	82	100	58	100	58	90	70
91	132106	84	100	84	100	18	100	18	92	80
92	132030	82	100	82	100	50	100	50	79	80
93	132308	76	100	76	100	52	100	52	83	50
94	142912	96	100	96	100	56	100	56	59	50
95	142905	8	100	8	100	10	100	10	43	
96	142915	82	100	82	100	74	100	74	73	50
97	142917	62	100	62	100	26	100	26	64	50

98	142913	90	100	90	100	50	100	50	98	70
99	142920	36	100	36	100	50	100	50	77	
100	142926	68	100	68	100	50	100	50	36	60
101	142904	96	100	96	100	36	100	36	99	50
102	142927	80	100	80	100	40	100	40	51	50
103	142921	50	0	50	100	12	100	12	69	50
104	142916	56	100	56	100	8	100	8	73	50
105	142934	40	100	40	100	A	100	A	A	
106	142924	88	100	88	100	60	100	60	94	60
107	142922	90	100	90	100	80	100	80	99	50
108	142908	96	100	96	100	58	100	58	75	60
109	142909	60	100	60	100	16	100	16	66	50
110	142919	84	100	84	100	52	100	52	96	70
111	142902	A	100	A	100	64	100	64	70	50
112	142931	84	100	84	100	22	100	22	78	50
113	142907	80	100	80	100	50	100	50	91	70
114	142925	46	0	46	100	8	100	8	42	50
115	142933	52	0	52	100	14	100	14	72	50
116	142914	72	100	72	100	14	100	14	81	50
117	142930	64	0	64	100	A	100	A	77	50
118	142901	80	100	80	100	56	100	56	78	60
119	142911	88	100	88	100	54	100	54	92	70
120	142910	68	100	68	100	54	100	54	74	50
121	142918	76	100	76	100	50	100	50	73	60
122	142903	24	0	24	100	8	100	8	28	
123	142923	52	0	52	100	12	100	12	59	50
124	142401	82	100	82	100	20	100	20	93	70
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		90.98	91.13	90.98	99.19	41.8	99.19	41.8	87.8	46.77
Level obtained		3	3	3	3	0	3	0	3	0

Survey:

Survey	C205.1	C205.2	C205.3	C205.4	C205.5
Obtained Percentage	94.18	90.78	90.93	93.71	92.58
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C205:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C205.1	3	3	3	0	1.2	**3**	1.56
C205.2	3	3	3	0	1.2	**3**	1.56
C205.3	0	3	0.9	0	0.36	**3**	0.89
C205.4	0	-	0	0	0	**3**	0.6
C205.5	3	-	3	0	1.2	**3**	1.56
C205							**1.23**

C205.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C205.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C205.3 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C205.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C205.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C205 = \frac{C205.1 + C205.2 + C205.3 + C205.4 + C205.5}{5} = 1.23$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6303-LICC206
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C206.1		C206.2		C206.3	C206.4	C206.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	132044	92	90	92	90	92	92	82	80
2	132104	99	80	99	80	99	99	89	80
3	132064	58	70	58	90	30	30	40	50
4	132305	26	80	26	80	58	58	45	60
5	132313	10	70	10	90	56	56	72	0
6	132061	92	80	92	80	99	99	89	60
7	132103	60	70	60	80	80	80	75	50
8	132306	80	80	80	90	99	99	82	70
9	132070	50	70	50	90	44	44	50	0
10	132053	80	80	80	80	88	88	86	70
11	132062	88	70	88	90	99	99	89	80
12	132011	99	90	99	90	99	99	88	70
13	132027	92	80	92	80	88	88	86	50
14	132303	96	90	96	90	98	98	87	70
15	132014	78	80	78	90	76	76	45	50
16	132043	99	90	99	80	99	99	88	80
17	132310	52	80	52	90	50	50	55	50
18	132041	56	90	56	80	66	66	76	50
19	132007	80	80	80	90	99	99	88	70
20	132058	99	90	99	80	84	84	A	70
21	132003	99	90	99	90	99	99	90	90
22	132066	52	80	52	90	40	40	50	50
23	132073	99	80	99	80	98	98	88	80
24	132067	72	90	72	90	88	88	77	60
25	132045	70	90	70	80	40	40	72	50
26	132008	50	80	50	90	74	74	65	50
27	132040	94	90	94	80	86	86	90	70
28	132018	50	80	50	90	68	68	74	50
29	132033	62	90	62	80	66	66	76	50
30	132016	99	90	99	90	99	99	91	80
31	132050	A	80	A	90	68	68	90	70
32	132012	96	90	96	80	99	99	90	80
33	132069	76	80	76	90	72	72	90	70
34	132054	96	90	96	90	99	99	88	80
35	132052	84	90	84	80	98	98	90	80
36	132063	50	80	50	90	72	72	30	70
37	132060	56	80	56	90	92	92	55	50
38	132302	54	80	54	90	72	72	50	50
39	132051	80	90	80	80	92	92	90	80
40	132032	76	80	76	90	99	99	89	80
41	132065	76	80	76	80	74	74	84	50
42	132071	62	80	62	90	52	52	40	50
43	132023	99	90	99	80	96	96	91	80
44	132026	99	90	99	90	99	99	90	70
45	132025	76	80	76	80	92	92	91	80
46	132046	98	90	98	90	99	99	90	80

47	132035	99	80	99	80	94	94	90	80
48	132013	74	90	74	90	96	96	40	70
49	132010	94	90	94	90	99	99	87	70
50	132020	94	90	94	90	99	99	93	80
51	132015	72	90	72	80	88	88	71	70
52	132004	54	80	54	80	80	80	56	60
53	132005	94	80	94	80	84	84	80	60
54	132028	95	80	95	80	99	99	92	70
55	132031	94	80	94	80	82	82	78	70
56	132057	96	90	96	80	99	99	99	80
57	132056	90	80	90	80	99	99	90	80
58	132036	98	90	98	90	99	99	99	80
59	132312	98	90	98	90	72	72	90	60
60	132021	98	90	98	90	99	99	99	80
61	132001	98	90	98	90	99	99	99	90
62	132311	62	90	62	80	88	88	30	60
63	132072	34	70	34	70	26	26	13	50
64	132024	92	90	92	90	99	99	99	90
65	132068	66	80	66	70	64	64	0	50
66	132101	64	70	64	80	78	78	28	70
67	132029	92	80	92	70	56	56	69	70
68	132042	50	80	50	80	60	60	60	50
69	132049	78	70	78	70	60	60	A	50
70	132037	58	70	58	70	52	52	51	50
71	132006	98	90	98	90	99	99	99	90
72	132047	90	90	90	90	80	80	94	70
73	132059	86	90	86	90	94	94	93	70
74	132055	72	90	72	80	78	78	61	50
75	132105	82	80	82	80	50	50	52	50
76	132301	62	90	62	90	84	84	86	70
77	132048	98	80	98	80	88	88	56	60
78	132304	98	80	98	80	74	74	91	60
79	132108	76	90	76	80	62	62	59	70
80	132017	98	90	98	90	99	99	99	80
81	132307	38	90	38	80	54	54	46	50
82	132002	92	90	92	90	99	99	99	70
83	132009	92	90	92	90	99	99	87	80
84	132102	98	80	98	80	80	80	90	60
85	132022	96	80	96	80	99	99	87	70
86	132019	96	90	96	90	99	99	99	80
87	132039	98	90	98	90	99	99	90	80
88	132034	94	90	94	80	84	84	79	70
89	132107	70	90	70	80	74	74	43	50
90	132309	90	80	90	80	86	86	94	80
91	132106	42	90	42	90	62	62	33	50
92	132030	88	90	88	90	80	80	95	70
93	132308	78	90	78	90	82	82	60	50
94	142912	54	80	54	80	74	74	60	50
95	142905	30	80	30	90	40	40	50	50
96	142915	62	80	62	90	54	54	72	60
97	142917	6	80	6	90	A	A	60	0

98	142913	68	90	68	80	82	82	74	50
99	142920	54	90	54	90	56	56	60	50
100	142926	44	90	44	90	50	50	60	0
101	142904	86	90	86	80	66	66	77	70
102	142927	10	80	10	80	38	38	67	0
103	142921	38	80	38	80	32	32	62	0
104	142916	62	90	62	80	50	50	54	0
105	142934	30	80	30	80	A	A	A	
106	142924	50	80	50	80	74	74	50	50
107	142922	8	90	8	80	82	82	90	50
108	142908	94	90	94	80	86	86	86	70
109	142909	64	80	64	80	40	40	50	50
110	142919	90	90	90	90	92	92	99	70
111	142902	A	90	A	80	58	58	63	50
112	142931	36	80	36	90	76	76	75	50
113	142907	84	90	84	90	74	74	99	60
114	142925	24	80	24	80	48	48	33	50
115	142933	50	70	50	70	52	52	45	50
116	142914	56	80	56	80	80	80	51	50
117	142930	52	70	52	70	46	46	35	50
118	142901	70	90	70	90	86	86	99	50
119	142911	82	90	82	90	80	80	93	80
120	142910	50	80	50	80	86	86	70	50
121	142918	64	90	64	90	48	48	87	80
122	142903	30	70	30	70	10	10	5	0
123	142923	34	80	34	80	70	70	26	50
124	142401	74	90	74	90	84	84	60	70
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		70.49	90.32	70.49	93.55	77.87	77.87	72.73	49.19
Level obtained		2	3	2	3	2	2	2	0

Survey:

Survey	**C206.1**	**C206.2**	**C206.3**	**C206.4**	**C206.5**
Obtained Percentage	90.93	89.96	89.76	90.19	90.4
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C206:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C206.1	2	3	2.3	0	0.92	3	1.34
C206.2	2	3	2.3	0	0.92	3	1.34
C206.3	2	-	2	0	0.8	3	1.24
C206.4	2	-	2	0	0.8	3	1.24
C206.5	2	-	2	0	0.8	3	1.24
C206							**1.28**

C206.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C206.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C206.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C206.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C206.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C206 = \frac{C206.1 + C206.2 + C206.3 + C206.4 + C206.5}{5} = 1.28$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: EC6361 – Electronics Lab: C207
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/Model Exam/AU marks

S.NO.	ROLL NO	C 207.1	C 207.2	C 207.3	C 207.4	C 207.5	AU Exam
		M	M	M	M	M	
1	132044	96	96	96	96	96	**100**
2	132104	98	98	98	98	98	**100**
3	132064	78	78	78	78	78	**90**
4	132305	86	86	86	86	86	**90**
5	132313	85	85	85	85	85	**80**
6	132061	94	94	94	94	94	**100**
7	132103	95	95	95	95	95	**100**
8	132306	96	96	96	96	96	**100**
9	132070	76	76	76	76	76	**80**
10	132053	90	90	90	90	90	**100**
11	132062	92	92	92	92	92	**100**
12	132011	97	97	97	97	97	**100**
13	132027	90	90	90	90	90	**100**
14	132303	92	92	92	92	92	**90**
15	132014	93	93	93	93	93	**90**
16	132043	94	94	94	94	94	**100**
17	132310	90	90	90	90	90	**90**
18	132041	91	91	91	91	91	**90**
19	132007	93	93	93	93	93	**100**
20	132058	93	93	93	93	93	**100**
21	132003	97	97	97	97	97	**100**
22	132066	88	88	88	88	88	**90**
23	132073	92	92	92	92	92	**100**
24	132067	92	92	92	92	92	**100**
25	132045	89	89	89	89	89	**90**
26	132008	90	90	90	90	90	**90**
27	132040	94	94	94	94	94	**100**
28	132018	96	96	96	96	96	**90**
29	132033	86	86	86	86	86	**100**
30	132016	97	97	97	97	97	**100**
31	132050	94	94	94	94	94	**100**
32	132012	95	95	95	95	95	**100**
33	132069	91	91	91	91	91	**100**
34	132054	94	94	94	94	94	**100**
35	132052	93	93	93	93	93	**100**
36	132063	92	92	92	92	92	**90**
37	132060	89	89	89	89	89	**90**
38	132302	83	83	83	83	83	**80**

39	132051	99	99	99	99	99	**100**
40	132032	98	98	98	98	98	**100**
41	132065	92	92	92	92	92	**100**
42	132071	88	88	88	88	88	**90**
43	132023	99	99	99	99	99	**100**
44	132026	96	96	96	96	96	**100**
45	132025	95	95	95	95	95	**100**
46	132046	95	95	95	95	95	**100**
47	132035	94	94	94	94	94	**100**
48	132013	89	89	89	89	89	**70**
49	132010	96	96	96	96	96	**90**
50	132020	A	A	A	A	A	**100**
51	132015	96	96	96	96	96	**100**
52	132004	93	93	93	93	93	**100**
53	132005	94	94	94	94	94	**100**
54	132028	93	93	93	93	93	**100**
55	132031	97	97	97	97	97	**100**
56	132057	97	97	97	97	97	**100**
57	132056	92	92	92	92	92	**100**
58	132036	98	98	98	98	98	**100**
59	132312	96	96	96	96	96	**100**
60	132021	95	95	95	95	95	**100**
61	132001	97	97	97	97	97	**100**
62	132311	88	88	88	88	88	**80**
63	132072	A	A	A	A	A	**70**
64	132024	98	98	98	98	98	**100**
65	132068	88	88	88	88	88	**90**
66	132101	92	92	92	92	92	**100**
67	132029	91	91	91	91	91	**100**
68	132042	88	88	88	88	88	**90**
69	132049	85	85	85	85	85	**80**
70	132037	92	92	92	92	92	**90**
71	132006	95	95	95	95	95	**100**
72	132047	94	94	94	94	94	**100**
73	132059	93	93	93	93	93	**100**
74	132055	92	92	92	92	92	**100**
75	132105	89	89	89	89	89	**90**
76	132301	96	96	96	96	96	**100**
77	132048	94	94	94	94	94	**100**
78	132304	96	96	96	96	96	**100**
79	132108	92	92	92	92	92	**100**
80	132017	95	95	95	95	95	**100**
81	132307	88	88	88	88	88	**90**
82	132002	95	95	95	95	95	**100**
83	132009	94	94	94	94	94	**100**

84	132102	97	97	97	97	97	**100**
85	132022	96	96	96	96	96	**100**
86	132019	94	94	94	94	94	**100**
87	132039	93	93	93	93	93	**100**
88	132034	93	93	93	93	93	**100**
89	132107	90	90	90	90	90	**90**
90	132309	95	95	95	95	95	**100**
91	132106	91	91	91	91	91	**100**
92	132030	95	95	95	95	95	**100**
93	132308	90	90	90	90	90	**100**
94	142912	85	85	85	85	85	**90**
95	142905	89	89	89	89	89	**90**
96	142915	90	90	90	90	90	**90**
97	142917	85	85	85	85	85	**90**
98	142913	90	90	90	90	90	**100**
99	142920	93	93	93	93	93	**90**
100	142926	82	82	82	82	82	**90**
101	142904	A	A	A	A	A	**100**
102	142927	83	83	83	83	83	**90**
103	142921	90	90	90	90	90	**100**
104	142916	73	73	73	73	73	**90**
105	142934	A	A	A	A	A	**80**
106	142924	91	91	91	91	91	**100**
107	142922	88	88	88	88	88	**100**
108	142908	91	91	91	91	91	**100**
109	142909	91	91	91	91	91	**90**
110	142919	95	95	95	95	95	**100**
111	142902	87	87	87	87	87	**90**
112	142931	88	88	88	88	88	**100**
113	142907	95	95	95	95	95	**100**
114	142925	89	89	89	89	89	**80**
115	142933	88	88	88	88	88	**80**
116	142914	91	91	91	91	91	**100**
117	142930	A	A	A	A	A	**90**
118	142901	92	92	92	92	92	**100**
119	142911	95	95	95	95	95	**100**
120	142910	89	89	89	89	89	**90**
121	142918	92	92	92	92	92	**90**
122	142903	88	88	88	88	88	**80**
123	142923	90	90	90	90	90	**90**
124	142401	94	94	94	94	94	**100**
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		97.48	97.48	97.48	97.48	97.48	100
Level Obtained		3	3	3	3	3	3

Survey:

Survey	C207.1	C207.2	C207.3	C207.4	C207.5
Obtained Percentage	93.66 91.81 93.01		92.6 93.7		
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C207:

Course	M(IA)	AU Exam	Direct Attainment	Survey	Overall attainment
C207.1	3	3	3	3	3
C207.2	3	3	3	3	3
C207.3	3	3	3	3	3
C207.4	3	3	3	3	3
C207.5	3	3	3	3	3
C207					**3**

C207.1= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C207.2= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C207.3= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C207.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C207.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

$$C207 = \frac{C207.1 + C207.2 + C207.3 + C207.4 + C207.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6311 - LIC LAB C208
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/Model Exam/AU marks

S.NO.	ROLL NO	C208.1		C208.2		C208.3		C208.4		C208.5		AU
		M	R	M	R	M	R	M	R	M	R	
1	132044	90	90	90	90	90	90	90	90	90	90	100
2	132104	98	90	98	90	98	90	98	90	98	80	100
3	132064	80	90	80	90	80	90	80	80	80	80	80
4	132305	89	86	89	80	89	90	89	80	89	80	100
5	132313	80	86	80	80	80	90	80	75	80	78	100
6	132061	94	86	94	80	94	90	94	70	94	80	100
7	132103	90	86	90	80	90	90	90	70	90	80	100
8	132306	98	86	98	80	98	90	98	80	98	80	100
9	132070	80	86	80	70	80	70	80	70	80	70	70
10	132053	90	86	90	70	90	70	90	70	90	70	90
11	132062	96	86	96	90	96	90	96	85	96	85	100
12	132011	96	90	96	90	96	90	96	90	96	88	100
13	132027	96	90	96	90	96	90	96	85	96	80	100
14	132303	96	90	96	90	96	90	96	80	96	80	100
15	132014	86	86	86	90	86	70	86	70	86	70	100
16	132043	98	90	98	90	98	90	98	80	98	80	100
17	132310	84	86	84	80	84	90	84	80	84	80	90
18	132041	88	86	88	80	88	90	88	80	88	80	100
19	132007	92	90	92	90	92	90	92	85	92	80	100
20	132058	90	90	90	90	90	90	90	90	90	80	90
21	132003	98	90	98	90	98	90	98	85	98	80	100
22	132066	80	90	80	90	80	90	80	85	80	80	80
23	132073	96	90	96	90	96	85	96	80	96	80	100
24	132067	86	90	86	90	86	85	86	80	86	80	90
25	132045	84	83	84	90	84	85	84	75	84	78	90
26	132008	82	80	82	90	82	90	82	90	82	90	80
27	132040	90	83	90	90	90	80	90	75	90	80	100
28	132018	84	90	84	90	84	85	84	85	84	80	100
29	132033	82	90	82	80	82	80	82	80	82	80	100
30	132016	96	90	96	90	96	80	96	80	96	80	100
31	132050	80	90	80	90	80	70	80	70	80	70	100
32	132012	92	90	92	99	92	85	92	80	92	80	100
33	132069	90	86	90	99	90	85	90	75	90	78	100
34	132054	90	90	90	90	90	80	90	80	90	80	100
35	132052	92	90	92	99	92	80	92	80	92	80	100
36	132063	86	90	86	90	86	80	86	80	86	80	100
37	132060	82	90	82	90	82	90	82	85	82	83	90
38	132302	84	83	84	80	84	80	84	80	84	80	90
39	132051	96	90	96	80	96	85	96	80	96	80	100

40	132032	94	90	94	90	94	85	94	80	94	80	100
41	132065	88	90	88	90	88	80	88	80	88	80	100
42	132071	70	90	70	99	70	80	70	80	70	80	90
43	132023	96	90	96	90	96	85	96	80	96	80	100
44	132026	92	90	92	90	92	90	92	75	92	78	100
45	132025	92	90	92	90	92	80	92	80	92	80	100
46	132046	90	90	90	90	90	70	90	70	90	80	100
47	132035	90	90	90	90	90	80	90	80	90	78	100
48	132013	88	83	88	90	88	85	88	75	88	78	90
49	132010	99	96	99	90	99	90	99	90	99	83	100
50	132020	99	96	99	90	99	95	99	95	99	90	100
51	132015	92	96	92	90	92	85	92	85	92	80	100
52	132004	94	96	94	90	94	85	94	85	94	85	100
53	132005	95	96	95	90	95	95	95	95	95	90	100
54	132028	95	96	95	90	95	95	95	95	95	90	100
55	132031	98	96	98	90	98	95	98	95	98	90	100
56	132057	98	96	98	90	98	95	98	95	98	93	100
57	132056	95	90	95	90	95	85	95	90	95	90	100
58	132036	99	96	99	90	99	95	99	95	99	90	100
59	132312	99	96	99	99	99	90	99	90	99	90	100
60	132021	99	96	99	90	99	90	99	90	99	90	100
61	132001	99	96	99	99	99	95	99	90	99	90	100
62	132311	90	96	90	90	90	80	90	80	90	85	90
63	132072	80	80	80	70	80	75	80	75	80	73	80
64	132024	99	96	99	90	99	90	99	90	99	90	100
65	132068	80	83	80	70	80	70	80	75	80	75	80
66	132101	80	86	80	70	80	80	80	80	80	78	90
67	132029	90	96	90	90	90	80	90	80	90	73	90
68	132042	85	96	85	90	85	95	85	80	85	80	80
69	132049	78	83	78	70	78	80	78	80	78	73	80
70	132037	85	83	85	80	85	80	85	85	85	83	100
71	132006	99	96	99	99	99	90	99	90	99	90	100
72	132047	99	96	99	90	99	90	99	90	99	90	100
73	132059	99	96	99	90	99	90	99	90	99	90	100
74	132055	80	96	80	90	80	90	80	90	80	83	100
75	132105	80	83	80	90	80	80	80	70	80	80	90
76	132301	99	96	99	90	99	90	99	90	99	90	100
77	132048	99	96	99	90	99	90	99	90	99	90	100
78	132304	95	96	95	90	95	90	95	90	95	90	100
79	132108	90	96	90	90	90	90	90	90	90	90	100
80	132017	99	96	99	90	99	90	99	90	99	90	100
81	132307	80	90	80	90	80	90	80	90	80	80	100
82	132002	99	96	99	90	99	90	99	90	99	90	100
83	132009	93	96	93	90	93	90	93	90	93	90	100
84	132102	99	96	99	90	99	90	99	90	99	90	100

85	132022	95	96	95	90	95	90	95	90	95	90	100
86	132019	98	96	98	90	98	90	98	90	98	98	100
87	132039	98	96	98	90	98	90	98	90	98	90	100
88	132034	91	83	91	90	91	90	91	90	91	90	100
89	132107	80	90	80	90	80	90	80	90	80	90	100
90	132309	98	96	98	90	98	90	98	90	98	90	100
91	132106	82	90	82	90	82	90	82	90	82	90	90
92	132030	99	96	99	90	99	90	99	90	99	90	100
93	132308	80	86	80	90	80	80	80	80	80	80	100
94	142912	82	80	82	90	82	80	82	70	82	80	90
95	142905	80	80	80	90	80	75	80	85	80	80	90
96	142915	82	80	82	90	82	80	82	80	82	80	100
97	142917	80	80	80	90	80	75	80	70	80	78	90
98	142913	88	80	88	90	88	80	88	80	88	78	100
99	142920	91	90	91	90	91	90	91	90	91	90	100
100	142926	80	80	80	90	80	75	80	75	80	78	90
101	142904	90	90	90	90	90	80	90	80	90	80	100
102	142927	80	90	80	90	80	75	80	75	80	80	90
103	142921	93	80	93	70	93	75	93	75	93	78	90
104	142916	80	**80**	80	90	80	80	80	80	80	80	90
105	142934	80	80	80	90	80	75	80	75	80	78	
106	142924	80	80	80	90	80	80	80	70	80	75	90
107	142922	86	80	86	90	86	80	86	80	86	80	100
108	142908	88	90	88	80	88	80	88	80	88	80	100
109	142909	93	90	93	90	93	90	93	90	93	80	100
110	142919	95	90	95	90	95	90	95	90	95	90	100
111	142902	86	80	86	90	86	80	86	80	86	80	100
112	142931	80	86	80	90	80	80	80	80	80	80	100
113	142907	97	96	97	90	97	90	97	90	97	90	90
114	142925	98	90	98	90	98	80	98	80	98	80	90
115	142933	81	83	81	70	81	80	81	80	81	80	
116	142914	91	90	91	90	91	90	91	90	91	90	90
117	142930	85	80	85	70	85	80	85	75	85	78	100
118	142901	97	96	97	90	97	90	97	90	97	90	100
119	142911	97	96	97	90	97	90	97	90	97	90	90
120	142910	90	80	90	90	90	90	90	85	90	78	90
121	142918	92	90	92	90	92	90	92	90	92	90	100
122	142903	81	80	81	80	81	80	81	85	81	75	90
123	142923	83	80	83	80	83	70	83	90	83	80	100
124	142401	82	90	82	80	82	90	82	**90**	82	**90**	100

% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks	98.39	100	98.39	92.74	98.39	88.71	98.39	80.65	98.39	80.65	93.44
Level Obtained	3	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	**C208.1**	**C208.2**	**C208.3**	**C208.4**	**C208.5**
Obtained Percentage	95.97	94.07 92.48	93.31 92		
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C208:

Course	**M(IA)**	**R**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C208.1	3	3	3	3	3	3
C208.2	3	3	3	3	3	3
C208.3	3	3	3	3	3	3
C208.4	3	3	3	3	3	3
C208.5	3	3	3	3	3	3
	C208					**3**

C208.1= 0.8*[0.4[{0.7*Internal Test} + {0.3*R}] +0.6[AU]] + 0.2*[Survey]

C208.2= 0.8*[0.4[{0.7*Internal Test} + {0.3*R}] +0.6[AU]] + 0.2*[Survey]

C208.3= 0.8*[0.4[{0.7*Internal Test} + {0.3*R}] +0.6[AU]] + 0.2*[Survey]

C208.4 = 0.8*[0.4[{0.7*Internal Test} + {0.3*R}] +0.6[AU]] + 0.2*[Survey]

C208.5= 0.8*[0.4[{0.7*Internal Test} + {0.3*R}] +0.6[AU]] + 0.2*[Survey]

$$C208 = \frac{C208.1 + C208.2 + C208.3 + C208.4 + C208.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: MA6459 - Numerical Methods C209
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C209.1		C209.2		C209.3		C209.4		C209.5		AU Exam
		CIT-1	A1	CIT-1	A1	CIT-2	A2	CIT-2	A2	CIT-3	A3	
1	132044	96	100	96	100	98	100	100	100	100	100	70
2	132104	64	100	100	100	96	100	100	100	100	100	90
3	132064	100	100	96	100	80	100	92	100	80	100	50
4	132305	92	100	96	100	52	100	88	100	52	100	50
5	132313	100	100	100	100	52	100	70	100	92	100	50
6	132061	88	100	92	100	88	100	84	100	100	100	50
7	132103	100	100	100	100	76	100	100	100	100	100	60
8	132306	60	100	76	100	16	99	32	99	50	99	80
9	132070	96	100	96	100	96	100	84	100	92	100	60
10	132053	96	100	100	100	84	100	56	100	100	100	80
11	132062	100	100	100	100	84	100	100	100	100	99	90
12	132011	92	100	96	100	96	100	100	100	88	100	100
13	132027	70	100	81	100	63	100	93	100	4	100	70
14	132303	96	99	84	99	96	100	32	100	72	99	80
15	132014	100	100	100	100	85	100	80	100	96	100	70
16	132043	100	99	92	99	100	99	100	99	100	99	100
17	132310	100	100	96	100	96	100	100	100	100	100	60
18	132041	92	99	92	99	68	99	84	99	84	99	70
19	132007	92	100	80	100	96	100	100	100	100	100	70
20	132058	100	100	100	100	72	100	100	100	80	100	70
21	132003	100	100	100	100	98	100	100	100	100	100	80
22	132066	88	100	92	100	80	100	100	100	100	100	50
23	132073	79	100	89	100	84	100	92	100	100	100	100
24	132067	100	100	84	100	84	100	88	100	100	100	70
25	132045	100	100	100	100	68	100	100	100	100	100	70
26	132008	0	100	0	100	94	100	92	100	100	100	50
27	132040	100	100	88	100	72	100	88	100	100	99	90
28	132018	100	100	100	100	78	100	100	100	92	100	80
29	132033	80	100	84	100	84	100	88	100	96	100	80
30	132016	96	100	92	100	100	100	96	100	100	100	90
31	132050	92	100	100	100	84	100	76	100	92	100	70
32	132012	100	100	100	100	94	100	96	100	100	100	80
33	132069	84	99	100	99	64	99	96	99	100	99	70
34	132054	96	100	76	100	84	100	56	100	80	100	90
35	132052	100	100	100	100	98	100	74	100	100	100	80
36	132063	100	100	100	100	84	100	92	100	100	100	60

37	132060	84	100	96	100	88	100	96	100	100	100	50
38	132302	72	100	100	100	96	100	100	100	100	100	50
39	132051	100	99	88	99	100	99	100	99	64	99	90
40	132032	92	99	76	99	64	99	16	99	80	99	80
41	132065	28	100	52	100	72	100	44	100	48	100	70
42	132071	100	100	96	100	72	99	100	99	100	99	70
43	132023	100	100	92	100	64	100	64	100	100	99	90
44	132026	A	99	A	99	64	99	68	99	24	99	90
45	132025	100	100	96	100	96	100	98	100	100	100	70
46	132046	88	100	96	100	76	100	92	100	92	100	80
47	132035	88	100	84	100	96	100	68	100	100	100	80
48	132013	48	100	72	100	64	100	36	100	32	100	60
49	132010	A	99	A	99	80	99	100	99	100	99	70
50	132020	96	100	100	100	90	100	92	100	100	100	80
51	132015	100	100	100	100	96	100	92	100	100	100	90
52	132004	100	99	100	99	96	99	84	99	40	99	90
53	132005	100	100	96	100	96	100	91	100	92	100	50
54	132028	56	100	80	100	72	100	20	100	100	100	90
55	132031	100	100	100	100	84	100	100	100	100	100	80
56	132057	100	100	100	100	86	100	100	100	96	100	100
57	132056	100	100	84	100	A	100	A	100	100	100	90
58	132036	80	100	100	100	88	100	88	100	84	100	100
59	132312	72	100	72	100	36	100	76	100	76	100	80
60	132021	88	100	56	100	80	99	88	99	92	99	100
61	132001	96	99	96	99	88	99	92	99	92	99	100
62	132311	84	100	92	100	48	100	44	100	24	100	80
63	132072	A	99	A	99	8	99	12	99	56	99	50
64	132024	43	100	96	100	8	100	80	100	56	100	80
65	132068	56	100	12	100	41	100	20	100	32	100	80
66	132101	48	99	80	99	56	100	88	100	40	99	80
67	132029	100	100	88	100	52	100	72	100	92	100	80
68	132042	64	100	96	100	64	100	60	100	64	100	50
69	132049	56	99	48	99	80	100	48	100	88	99	50
70	132037	48	100	28	100	0	100	0	100	24	100	70
71	132006	56	100	16	100	8	100	0	100	4	100	80
72	132047	100	99	100	99	100	100	96	100	100	99	60
73	132059	76	100	96	100	96	100	100	100	96	100	80
74	132055	92	100	80	100	88	100	96	100	100	100	70
75	132105	44	100	64	100	80	99	68	99	88	99	70
76	132301	84	100	92	100	96	100	100	100	100	99	80
77	132048	96	100	80	100	80	100	60	100	80	100	70
78	132304	64	100	52	100	48	100	56	100	64	100	80

79	132108	40	100	92	100	56	100	64	100	100	100	80
80	132017	72	100	56	100	96	100	64	100	100	100	80
81	132307	76	100	56	100	92	100	84	100	78	100	70
82	132002	63	100	73	100	0	100	40	100	8	100	80
83	132009	92	99	72	99	68	100	56	100	100	99	70
84	132102	84	100	88	100	84	100	80	100	72	100	90
85	132022	48	99	24	99	A	100	A	100	40	99	70
86	132019	100	100	100	100	60	100	80	100	88	99	80
87	132039	72	100	72	100	80	100	20	100	96	100	80
88	132034	76	100	80	100	72	100	52	100	100	100	70
89	132107	44	100	56	100	72	100	68	100	100	100	50
90	132309	96	100	56	100	52	99	48	99	16	99	50
91	132106	100	100	100	100	80	100	80	100	88	100	50
92	132030	100	100	100	100	84	100	80	100	96	100	80
93	132308	48	99	64	99	44	99	0	99	88	99	50
94	142912	84	100	60	100	88	100	68	100	100	100	50
95	142905	56	100	76	100	76	100	72	100	100	100	0
96	142915	40	100	92	100	36	100	62	100	48	100	60
97	142917	28	100	24	100	0	100	0	100	60	100	0
98	142913	48	100	80	100	92	99	48	99	100	99	70
99	142920	64	A	48	A	A	A	A	A	8	A	0
100	142926	72	100	96	100	24	100	84	100	92	100	0
101	142904	72	100	88	100	56	100	90	100	56	100	80
102	142928	81	100	87	100	67	100	67	100	72	100	0
103	142927	52	100	40	100	88	100	20	100	A	100	50
104	142921	76	100	92	100	88	99	88	99	100	99	50
105	142916	40	99	68	99	72	99	0	99	40	99	50
106	142924	52	99	68	99	48	100	60	100	100	100	70
107	142922	44	100	76	100	68	99	64	99	72	99	50
108	142908	48	100	60	100	76	100	24	100	88	100	90
109	142909	12	100	40	100	90	99	16	99	8	99	70
110	142919	0	99	16	99	40	100	0	100	8	100	90
111	142902	64	100	72	100	76	100	24	100	84	100	50
112	142931	100	100	100	100	84	100	92	100	100	99	50
113	142907	20	99	24	99	24	100	24	100	72	99	70
114	142925	60	99	60	99	56	100	52	100	52	100	50
115	142401	56	100	70	100	0	100	16	100	60	100	80
116	142933	44	100	56	100	8	100	44	100	100	100	0
117	142914	100	100	100	100	70	100	68	100	72	100	70
118	142930	24	100	16	100	0	100	28	100	8	99	50
119	142901	32	99	16	99	36	99	0	99	A	99	50
120	142911	48	100	36	100	44	100	32	100	88	100	50

121	142910	32	100	16	100	20	100	0	100	A	100	70
122	142918	20	100	32	100	72	100	8	100	72	100	50
123	142903	80	100	88	100	40	100	42	100	40	100	0
124	142923	40	100	16	100	12	100	28	100	100	100	50

% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks	71.07	100	78.51	100	72.73	100	66.94	100	78.51	100	65.32
Level Obtained	2	3	2	3	2	3	1	3	2	3	1

Survey:

Survey	**C209.1**	**C209.2**	**C209.3**	**C209.4**	**C209.5**
Obtained Percentage	94.24	94.47	95.22	95.43	92.39
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C209:

Course	**Internal Test**	**Assign.**	**IA**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C209.1	2	3	2.3	1	1.52	3	1.82
C209.2	2	3	2.3	1	1.52	3	1.82
C209.3	2	3	2.3	1	1.52	3	1.82
C209.4	1	3	1.6	1	1.24	3	1.59
C209.5	2	3	2.3	1	1.52	3	1.82
C209							**1.77**

C209.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey
C209.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey
C209.3 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey
C209.4 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey
C209.5= 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

$$C209 = \frac{C209.1 + C209.2 + C209.3 + C209.4 + C209.5}{5} = 1.77$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: EE6401: Electrical Machines I-C210
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	C210.1			C210.2			C210.3			C210.4				C210.5				AU
		Te-1	A1	T1	Te-1	A2	T2	Te-2	A3	T3	Te-2	S1	Q1	T4	Te-3	S2	Q2	T5	
1	132044	100	100	100	96	100	100	96	100	90	96	90	80	100	92	90	90	90	90
2	132104	72	100	90	92	100	100	100	100	90	76	90	70	100	96	90	90	100	80
3	132064	60	90	80	20	90	90	A	90	80	A	80	80	90	44	80	90	90	50
4	132305	60	100	100	64	90	80	80	90	90	68	90	70	80	48	80	80	90	A
5	132313	52	100	100	88	90	80	60	90	90	60	90	70	80	68	80	80	90	0
6	132061	64	80	70	64	100	80	84	100	100	96	70	90	90	96	90	70	100	50
7	132103	84	90	80	76	90	90	80	90	90	88	80	70	80	68	80	70	90	70
8	132306	96	100	100	96	100	90	60	100	100	60	80	80	100	96	90	70	90	80
9	132070	36	80	70	44	90	80	44	90	90	52	70	70	90	68	90	70	80	0
10	132053	76	100	100	88	90	80	20	100	100	8	70	80	80	68	90	70	100	50
11	132062	76	90	80	84	100	100	60	90	80	72	90	70	90	64	80	70	90	70
12	132011	100	100	100	92	100	100	96	100	100	72	90	90	80	84	90	70	90	90
13	132027	72	90	80	84	100	100	92	100	90	80	80	90	90	96	90	70	100	70
14	132303	64	100	100	72	100	90	92	100	90	80	90	80	100	96	90	90	100	80
15	132014	100	100	100	92	90	80	56	90	100	36	90	80	80	72	80	90	90	70
16	132043	96	100	100	100	100	90	56	100	90	28	90	90	100	94	80	90	100	80
17	132310	84	90	80	52	90	90	24	90	80	16	80	70	90	76	80	90	80	60
18	132041	60	100	100	68	90	90	60	100	100	72	90	70	100	96	80	90	90	0
19	132007	84	100	100	68	100	100	96	90	90	88	90	70	100	80	90	90	90	80
20	132058	A	100	100	A	100	100	88	90	100	72	90	70	90	88	90	80	90	80
21	132003	100	100	100	100	100	100	60	100	90	36	90	70	100	100	90	90	100	90
22	132066	36	90	80	32	90	90	60	90	80	60	80	90	90	64	80	70	90	0
23	132073	100	100	100	92	100	100	A	100	90	A	90	70	100	92	90	80	90	80
24	132067	44	100	100	60	100	100	48	90	90	44	90	70	100	64	90	70	90	60
25	132045	A	100	100	A	100	100	80	90	90	88	90	80	100	64	90	70	90	60
26	132008	36	90	80	68	90	90	56	90	80	24	80	70	90	64	80	70	90	0
27	132040	92	100	100	100	100	90	96	100	100	92	90	80	100	92	90	70	90	90
28	132018	64	100	90	76	90	90	52	90	80	20	80	70	80	92	80	70	100	60
29	132033	84	90	100	84	100	90	32	100	100	88	90	80	100	88	90	90	90	70
30	132016	100	90	100	100	100	100	92	100	90	76	80	80	80	100	90	90	90	90
31	132050	A	100	100	A	90	90	52	90	100	40	90	70	80	84	80	80	100	60
32	132012	96	90	90	92	90	90	92	90	90	80	90	90	90	92	90	90	90	80
33	132069	84	90	90	52	80	80	76	90	90	48	90	90	90	80	80	60	80	50
34	132054	76	90	90	68	90	90	96	90	90	76	90	90	90	92	90	90	90	80
35	132052	88	90	90	64	90	90	80	90	90	64	90	90	90	80	90	90	80	80
36	132063	64	90	90	40	90	90	88	90	90	68	80	90	80	60	90	90	70	80
37	132060	64	90	90	48	90	90	68	90	90	40	80	80	80	28	80	90	70	50
38	132302	36	80	80	8	80	80	22	90	90	36	60	60	60	44	60	60	60	50
39	132051	96	90	90	72	90	90	88	90	90	76	90	90	90	92	90	90	90	80
40	132032	96	90	90	84	90	90	80	80	80	72	80	90	80	92	80	90	90	50
41	132065	72	80	80	68	90	90	52	90	90	52	80	90	80	56	80	90	60	0
42	132071	32	80	80	32	80	80	36	80	80	36	60	80	60	4	80	80	50	0
43	132023	96	90	90	76	90	90	92	90	90	88	80	90	80	92	80	90	90	90
44	132026		90	90		80	80	92	90	90	84	80	80	80	92	80	90	90	90
45	132025	88	80	80	48	90	90	60	90	90	40	60	80	60	68	80	90	70	50
46	132046	96	90	90	92	90	90	96	90	90	92	90	90	90	92	90	90	90	90

47	132035	96	90	90	92	90	90	96	90	90	92	90	90	90	96	90	90	90	90
48	132013	56	80	80	80	90	90	80	90	90	68	80	80	80	56	80	90	70	50
49	132010	80	90	90	68	90	90	88	90	90	84	60	90	60	68	80	90	70	70
50	132020	96	90	90	72	90	90	52	90	90	84	90	90	90	92	90	90	90	90
51	132015	80	90	90	68	90	90	76	90	90	88	90	90	90	80	90	90	70	70
52	132004	88	90	90	72	90	90	88	90	90	92	90	80	90	92	90	90	80	90
53	132005	96	90	90	80	90	90	88	90	90	72	90	80	90	88	80	80	90	80
54	132028	96	90	90	92	90	90	88	90	90	76	80	80	80	96	80	80	90	90
55	132031	96	90	90	84	90	90	88	90	90	88	80	80	80	96	80	80	90	90
56	132057	96	90	90	92	90	90	100	90	90	76	80	80	80	96	80	80	90	90
57	132056	96	90	90	88	90	90	96	90	90	100	80	80	80	96	60	60	90	100
58	132036	96	90	90	92	90	90	96	90	90	92	90	80	90	92	80	90	90	90
59	132312	88	90	90	76	90	90	76	90	90	96	90	90	90	72	90	90	80	70
60	132021	92	90	90	80	90	90	88	90	90	88	90	90	90	96	90	90	90	80
61	132001	96	90	90	92	90	90	96	90	90	96	90	80	90	96	80	80	90	90
62	132311	80	90	90	88	90	90	72	90	90	64	80	80	80	88	80	80	80	70
63	132072	36	80	80	28	90	90	64	90	90	36	70	60	70	64	70	60	70	0
64	132024	96	90	90	88	90	90	92	90	90	96	90	80	90	88	90	80	80	80
65	132068	64	80	80	84	90	90	84	90	90	64	90	70	90	72	90	70	70	60
66	132101	72	90	90	72	90	90	96	90	90	92	90	70	90	92	90	70	90	80
67	132029	72	90	90	44	80	80	76	80	80	68	80	80	80	88	80	70	80	70
68	132042	52	80	80	24	80	80	96	80	80	52	80	60	80	44	80	60	50	50
69	132049	48	90	90	40	90	90	36	90	90	32	70	80	70	60	70	80	70	0
70	132037	64	90	90	92	90	90	80	90	90	92	80	80	80	96	80	80	90	70
71	132006	96	90	90	88	90	90	84	90	90	76	90	80	90	92	90	80	90	90
72	132047	88	90	90	44	90	90	76	90	90	84	90	80	90	92	90	80	90	80
73	132059	88	90	90	80	90	90	84	90	90	72	90	80	90	92	90	90	90	70
74	132055	84	90	90	40	90	90	64	90	90	52	90	80	90	60	90	80	70	80
75	132105	92	90	90	80	90	90	88	90	90	64	80	80	80	60	80	90	70	80
76	132301	96	90	90	84	90	90	96	90	90	84	80	90	80	88	80	90	90	80
77	132048	84	90	90	68	90	90	88	90	90	60	80	80	80	92	80	80	90	80
78	132304	88	90	90	92	90	90	96	90	90	80	80	90	80	96	80	80	90	90
79	132108	76	90	90	40	90	90	60	90	90	60	80	80	80	92	80	70	90	70
80	132017	96	90	90	92	90	90	96	90	90	96	80	80	80	92	80	80	90	80
81	132307	56	80	80	44	90	90	68	80	80	68	70	70	70	64	70	80	70	60
82	132002	92	90	90	88	90	90	96	90	90	96	80	80	80	96	80	90	90	80
83	132009	96	90	90	92	90	90	88	90	90	96	80	90	80	96	80	90	90	90
84	132102	80	90	90	64	90	90	84	90	90	92	80	80	80	92	80	80	90	80
85	132022	96	90	90	64	90	90	96	90	90	92	80	90	80	92	80	90	90	90
86	132019	96	90	90	92	90	90	99	90	90	99	80	90	80	92	80	90	90	90
87	132039	96	90	90	80	90	90	96	90	90	84	80	90	80	92	80	90	90	90
88	132034	92	90	90	76	90	90	88	90	90	64	80	80	80	92	80	70	90	90
89	132107	64	80	80	16	80	80	96	80	80	68	80	60	80	56	80	50	60	50
90	132309	0	80	80	0	80	80	0	90	90	0	80	60	80	92	80	50	90	60
91	132106	64	90	90	72	90	90	64	90	90	76	80	90	80	72	80	90	70	70
92	132030	92	90	90	92	90	90	96	90	90	96	80	80	80	92	80	80	90	90
93	132308	56	90	90	92	90	90	88	90	90	88	80	80	80	72	80	80	70	70
94	142912	64	90	100	64	100	90	52	90	90	90	80	80	100	80	90	70	90	50
95	142905	36	90	80	24	90	80	0	90	90	0	80	70	90	80	80	80	90	0
96	142915	76	100	100	100	100	100	48	90	100	36	90	90	90	88	90	70	100	50
97	142917	48	100	80	52	90	80	52	90	90	28	90	80	100	84	90	70	90	50

98	142913	64	90	90	72	90	80	28	100	100	22	80	70	90	84	80	80	80	60
99	142920	36	100	100	40	100	90	16	90	80	20	90	90	100	76	90	80	100	50
100	142926	44	90	80	56	90	90	44	90	80	52	80	70	90	A	80	70	90	0
101	142904	72	100	100	56	90	100	68	100	80	44	90	80	90	96	80	80	100	70
102	142927	36	100	100	24	90	80	84	90	80	36	90	70	90	84	90	90	90	0
103	142921	40	100	100	24	100	100	76	90	90	16	90	70	80	88	90	90	80	50
104	142916	48	80	80	64	80	80	36	80	80	24	80	80	80	40	80	80	50	0
105	142924	64	80	80	72	80	80	88	80	80	80	80	80	80	88	80	80	80	70
106	142922	52	80	80	24	80	90	24	80	80	8	60	60	60	52	60	60	70	50
107	142908	76	80	90	84	90	90	40	80	90	96	70	60	70	88	70	70	80	80
108	142909	48	90	80	64	90	80	32	90	80	84	80	80	80	96	80	80	90	50
109	142919	96	80	90	76	80	90	64	80	90	96	80	90	80	84	90	90	80	80
110	142902	28	90	80	56	90	80	32	90	80	68	60	60	60	76	60	70	70	50
111	142931	76	80	80	48	80	80	76	80	80	32	60	80	60	48	60	70	50	70
112	142907	68	80	90	60	80	90	72	80	90	72	80	80	80	84	80	90	80	80
113	142925	52	90	80	20	90	80	8	90	80	28	80	90	80	48	80	80	50	50
114	142401	92	80	90	36	80	90	92	80	90	60	80	80	80	84	80	80	90	70
115	142933	40	90	80	8	90	90	56	90	90	28	60	70	60	64	60	80	70	50
116	142914	64	80	80	72	90	80	64	90	90	64	80	80	80	72	80	80	70	60
117	142930	40	80	80	60	80	80	40	80	80	60	80	90	80	96	80	80	90	0
118	142901	60	90	90	48	90	90	88	90	90	64	80	80	80	96	80	80	90	50
119	142911	44	80	80	56	90	90	84	90	90	68	80	60	80	92	80	60	90	70
120	142910	48	90	90	72	90	90	40	90	90	76	80	60	80	0	80	80	60	70
121	142918	56	90	90	48	90	90	80	90	90	52	80	90	80	72	80	80	70	50
122	142903	44	80	80	44	80	80	16	80	80	16	80	80	80	56	80	80	60	0
123	142923	28	80	80	56	80	80	40	80	80	40	80	60	80	84	80	80	80	50

≥C (7) grade in AU marks

% of Students secured ≥60 marks in CITs,≥80 in assignment and

	Te-1	A1	T1	Te-2	A2	T2	Te-3	A3	T3	Te-4	S1	Q1	T4	Te-5	S2	Q2	T5	AU
	72.5	**100**	**100**	**67.5**	**100**	**100**	**71.9**	**100**	**100**	**68.6**	**93.5**	**91.06**	**93.5**	**87.7**	**95.12**	**92.68**	**91.87**	59.84
Level	**2**	**3**	**3**	**1**	**3**	**3**	**2**	**3**	**3**	**1**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	0

Survey:

Survey	C210.1	C210.2	C210.3	C210.4	C210.5
Obtained Percentage	96.04	95.09 93.16	93.05	93.67	
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C210:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C210.1	2	3	-	-	3	2.4	0	0.96	**3**	1.37
C210.2	1	3	-	-	3	1.8	0	0.72	**3**	1.18
C210.3	2	3	-	-	3	2.4	0	0.96	**3**	1.37
C210.4	1	-	3	3	3	1.8	0	0.72	**3**	1.18
C210.5	3	-	3	3	3	3	0	1.2	**3**	1.56
C210										**1.33**

C210.1 = 0.8*[{0.4*[(0.6*Internal Test) + (0.2*Assignment) + (0.2*Tutorial)]}+{0.6*AU}] + 0.2*Survey

C210.2 = 0.8*[{0.4*[(0.6*Internal Test) + (0.2*Assignment) + (0.2*Tutorial)]}+{0.6*AU}] + 0.2*Survey

C210.3 = 0.8*[{0.4*[(0.6*Internal Test) + (0.2*Assignment) + (0.2*Tutorial)]}+{0.6*AU}] + 0.2*Survey

C210.4 = 0.8*[{0.4*[(0.6*Internal Test) + (0.2*Tutorial) + (0.1*Seminar) + (0.1*Quiz)]}+{0.6*AU}] + 0.2*Survey

C210.5= 0.8*[{0.4*[(0.6*Internal Test) + (0.2*Tutorial) + (0.1*Seminar) + (0.1*Quiz)]}+{0.6*AU}] + 0.2*Survey

$$C210 = \frac{C210.1 + C210.2 + C210.3 + C210.4 + C210.5}{5} = 1.33$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: CS6456: Object Oriented Programming-C211
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	C211.1		C211.2				C211.3		C211.4		C211.5			AU
		T1	A1	T2	A2	S1	Q1	T3	A3	T4	S2	T5	S2	Q2	
1	132044	92	100	100	100	100	100	100	100	100	100	100	100	100	70
2	132104	96	100	92	100	100	100	100	100	96	100	96	100	100	70
3	132064	44	90	56	90	100	100	24	100	24	100	16	100	100	50
4	132305	16	70	20	90	100	100	24	100	44	100	68	100	100	50
5	132313	28	70	16	90	100	100	64	100	100	100	76	100	100	0
6	132061	56	100	76	100	100	100	92	100	96	100	92	100	100	70
7	132103	88	100	88	100	100	100	100	100	96	100	96	100	100	70
8	132306	76	100	92	100	100	100	96	100	88	100	100	100	100	70
9	132070	16	70	104	90	100	100	88	70	96	100	100	100	100	0
10	132053	44	90	76	90	100	100	88	70	96	100	100	100	100	50
11	132062	60	90	84	90	100	100	88	70	96	100	88	100	100	60
12	132011	92	100	96	100	100	100	100	100	100	100	96	100	100	90
13	132027	44	100	64	100	100	100	80	100	92	100	100	100	100	50
14	132303	44	100	36	100	100	100	96	90	76	100	96	100	100	80
15	132014	76	100	76	100	100	100	100	90	100	100	96	100	100	70
16	132043	84	100	96	90	100	100	100	90	76	100	96	100	100	80
17	132310	16	100	28	90	100	100	60	90	48	100	28	100	100	70
18	132041	72	100	40	90	100	100	100	90	52	100	92	100	100	60
19	132007	64	100	96	100	100	100	96	100	100	100	88	100	100	80
20	132058	96	100	64	100	100	100	96	100	100	100	96	100	100	50
21	132003	100	100	100	100	100	100	100	100	100	100	100	100	100	90
22	132066	8	70	40	90	100	100	36	90	76	100	76	100	100	0
23	132073	96	100	100	100	100	100	96	90	100	100	100	100	100	90
24	132067	48	70	56	90	100	100	100	90	92	100	80	100	100	50
25	132045	60	100	88	100	100	100	76	90	96	100	64	100	100	50
26	132008	12	70	32	70	100	100	72	90	24	100	56	100	100	50
27	132040	96	90	80	90	100	100	100	90	96	100	96	100	100	70
28	132018	20	90	36	90	100	100	80	100	100	100	88	100	100	50
29	132033	20	70	64	70	100	100	56	100	96	100	88	100	100	60
30	132016	92	100	88	100	100	100	100	100	100	100	100	100	100	90
31	132050	A	70	A	100	100	100	88	100	88	100	80	100	100	50
32	132012	68	100	100	100	100	100	76	100	100	100	100	100	100	80
33	132069	A	90	A	90	100	100	88	100	92	100	96	100	100	70
34	132054	76	90	92	90	100	100	80	100	88	100	92	100	100	70
35	132052	88	90	88	90	100	100	88	100	80	100	92	100	100	70
36	132063	28	90	84	90	100	100	60	100	60	100	64	100	100	50
37	132060	16	70	48	70	100	100	48	90	56	100	52	100	100	50
38	132302	4	70	0	70	100	100	84	90	32	100	40	100	100	0
39	132051	72	90	80	90	100	100	96	90	100	100	84	100	100	80
40	132032	56	90	72	90	100	100	60	90	92	100	92	100	100	80
41	132065	20	70	28	70	100	100	16	90	52	100	52	100	100	0
42	132071	4	0	0	0	100	100	0	0	0	100	80	100	100	50
43	132023	80	100	76	100	100	100	96	100	100	100	96	100	100	80
44	132026	A	100	A	100	100	100	96	100	96	100	96	100	100	80
45	132025	56	90	84	90	100	100	84	100	80	100	80	100	100	50
46	132046	96	100	88	100	100	100	96	100	100	100	100	100	100	90

47	132035	84	100	92	100	100	100	96	100	96	100	92	100	100	90
48	132013	76	90	84	90	100	100	80	100	100	100	88	100	100	60
49	132010	96	100	100	100	100	100	88	100	96	100	72	100	100	70
50	132020	96	100	96	100	100	100	96	100	96	100	96	100	100	90
51	132015	40	90	64	90	100	100	88	100	96	100	92	100	100	50
52	132004	88	100	92	100	100	100	96	100	100	100	100	100	100	70
53	132005	92	100	100	100	100	100	96	100	100	100	100	100	100	80
54	132028	72	100	96	100	100	100	80	100	100	100	96	100	100	70
55	132031	88	90	100	90	100	100	100	90	80	100	96	100	100	100
56	132057	92	100	100	100	100	100	80	90	100	100	100	100	100	90
57	132056	64	70	100	70	100	100	96	90	100	100	84	100	100	70
58	132036	92	100	96	100	100	100	100	90	100	100	96	100	100	80
59	132312	84	100	88	100	100	100	88	90	100	100	96	100	100	60
60	132021	96	100	100	100	100	100	100	90	100	100	100	100	100	70
61	132001	92	100	100	100	100	100	100	100	96	100	100	100	100	80
62	132311	92	90	56	90	100	100	84	100	92	100	68	100	100	80
63	132072	14	50	12	0	90	80	0	60	8	80	52	80	70	0
64	132024	72	100	96	100	100	80	88	90	100	90	96	90	70	90
65	132068	52	100	72	100	100	80	80	90	96	90	72	90	70	0
66	132101	60	100	84	0	90	60	96	90	92	70	100	70	50	80
67	132029	80	100	84	100	60	90	84	80	80	80	96	80	90	70
68	132042	8	70	12	90	70	80	7	90	5	80	68	80	90	50
69	132049	25	50	25	70	50	70	56	60	68	70	68	70	80	50
70	132037	68	50	52	0	40	80	96	60	96	80	100	80	70	60
71	132006	76	90	96	90	80	80	92	90	92	90	96	90	90	90
72	132047	72	100	60	100	90	80	96	100	84	100	92	100	90	80
73	132059	84	100	96	100	100	70	88	100	92	90	100	90	60	80
74	132055	24	100	28	100	80	50	76	90	84	60	88	60	80	70
75	132105	36	70	64	0	90	80	56	80	84	70	96	70	90	50
76	132301	76	60	60	80	80	100	84	80	92	90	96	90	70	80
77	132048	84	100	76	100	90	70	92	90	92	100	76	100	80	70
78	132304	88	100	92	100	90	70	96	100	96	90	92	90	70	50
79	132108	56	100	44	100	100	70	56	100	92	60	96	60	70	80
80	132017	88	90	100	80	90	70	96	70	100	60	88	60	70	90
81	132307	60	100	68	100	100	80	72	100	84	70	84	70	70	70
82	132002	88	100	84	100	100	80	96	100	88	90	96	90	70	80
83	132009	80	100	64	80	90	70	92	70	88	70	96	70	70	80
84	132102	68	100	80	90	80	80	72	100	88	80	96	80	60	70
85	132022	76	100	100	100	70	90	88	100	92	90	92	90	50	80
86	132019	96	100	96	100	80	80	100	100	92	80	96	80	60	80
87	132039	84	100	84	100	80	90	92	100	92	80	96	80	50	90
88	132034	80	90	84	90	70	80	88	80	84	80	96	80	70	80
89	132107	88	90	12	0	80	70	80	80	92	70	72	70	60	0
90	132309	A	100	A	90	80	70	A	100	A	90	96	90	60	50
91	132106	48	100	56	90	90	70	64	80	76	80	72	80	70	70
92	132030	72	100	76	100	80	80	92	100	92	90	88	90	80	70
93	132308	80	100	84	100	100	80	84	100	64	80	92	80	70	70
94	142912	16	70	20	100	100	100	52	100	56	100	36	100	100	0
95	142905	0	70	8	70	100	100	A	90	A	100	8	100	100	0
96	142915	16	70	24	70	100	100	40	90	100	100	92	100	100	50
97	142917	0	70	0	70	100	100	48	90	36	100	80	100	100	0

98	142913	28	70	20	70	100	100	68	90	60	100	52	100	100	50
99	142920	0	70	40	70	100	100	52	90	20	100	72	100	100	0
100	142926	8	70	0	70	100	100	56	90	4	100	8	100	100	0
101	142904	12	70	68	70	100	100	80	90	92	100	92	100	100	50
102	142927	4	70	0	70	100	100	48	90	52	100	40	100	100	0
103	142921	8	70	48	70	100	100	92	90	0	100	72	100	100	0
104	142916	16	70	0	70	100	100	16	100	8	100	40	100	100	0
105	142924	16	70	72	70	100	100	76	100	92	100	80	100	100	50
106	142922	28	70	68	70	100	100	60	100	84	100	72	100	100	0
107	142908	24	70	88	70	100	100	64	100	80	100	80	100	100	50
108	142909	8	70	32	70	100	100	92	100	20	100	64	100	100	50
109	142919	52	70	84	70	100	100	84	100	100	100	96	100	100	70
110	142902	8	70	60	70	100	100	36	100	68	100	64	100	100	0
111	142931	12	70	52	70	100	100	68	100	36	100	32	100	100	50
112	142907	32	70	36	70	100	100	72	100	88	100	84	100	100	70
113	142925	12	70	12	70	100	100	32	100	36	100	8	100	100	0
114	142401	64	80	60	0	90	80	76	80	68	80	72	80	70	70
115	142933	8	50	8	70	80	80	24	70	64	70	68	70	60	0
116	142914	52	50	48	70	70	50	40	80	72	60	80	60	60	50
117	142930	12	90	32	0	80	60	56	70	8	50	A	50	70	0
118	142901	32	100	68	90	80	70	80	100	88	60	92	60	70	60
119	142911	56	100	72	80	80	60	84	90	84	70	88	70	60	60
120	142910	0	80	16	70	70	50	28	60	40	60	60	60	60	50
121	142918	32	70	44	70	60	50	56	60	44	40	96	40	60	50
122	142903	8	70	8	0	60	50	0	50	0	50	60	50	40	0
123	142923	32	70	24	0	50	50	88	50	32	50	72	50	60	50

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1	A1	T2	A2	S1	Q1	T3	A3	T4	S2	T5	S2	Q2	AU
	50.42	**64.23**	**63.03**	**67.48**	**95.12**	**92.68**	**77.69**	**87.8**	**78.51**	**85.12**	**87.7**	**91.87**	**87.8**	**50.41**
Level	**0**	**1**	**1**	**1**	**3**	**3**	**2**	**3**	**2**	**3**	**3**	**3**	**3**	**0**

Survey:

Survey	**C211.1**	**C211.2**	**C211.3**	**C211.4**	**C211.5**
Obtained Percentage	92.01	89.15	88.06	88.9	87.11
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C211:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C211.1	0	1	-	-	-	0.3	0	0.12	**3**	0.7
C211.2	1	1	3	3	-	1.4	0	0.56	**3**	10.5
C211.3	2	-	-	-	-	2	0	0.8	**3**	1.24
C211.4	2	-	-	-	-	2	0	0.8	**3**	1.24
C211.5	3	3	3	3	-	3	0	1.2	**3**	1.56
C211										**1.16**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C211.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C211.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.1*Seminar + 0.1*Quiz]
C211.3	AU Exam	[1*Internal Test]
C211.4	AU Exam	[1*Internal Test]
C211.5	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.1*Seminar + 0.1*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C211 = \frac{C211.1 + C211.2 + C211.3 + C211.4 + C211.5}{5} = 1.16$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: EE6402: Transmission and Distribution-C212
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	Test					Assignment			Seminar		Quiz		AU
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO2	S2 CO4	Q1 CO2	Q2 CO4	
1	132044	88	96	84	92	92	100	100	100	100	100	100	100	80
2	132104	84	100	92	84	92	100	100	100	100	100	100	100	70
3	132064	36	48	A	A	A	80	80	100	90	90	0	70	50
4	132305	32	8	36	88	48	80	80	100	90	90	80	70	0
5	132313	68	32	88	56	84	80	80	100	70	80	70	70	0
6	132061	52	96	92	92	96	100	100	100	100	100	90	90	70
7	132103	84	84	68	100	92	100	100	100	100	100	100	90	70
8	132306	96	92	A	A	92	100	100	100	100	100	100	90	80
9	132070	16	88	52	92	52	80	100	100	70	70	70	90	0
10	132053	72	92	48	40	80	100	100	100	90	80	80	80	50
11	132062	76	80	64	72	84	100	100	100	80	80	80	90	50
12	132011	80	96	92	96	92	100	100	100	90	90	90	90	80
13	132027	40	92	92	96	76	100	100	100	90	90	90	100	50
14	132303	84	100	96	92	88	100	100	100	100	100	100	90	70
15	132014	64	88	36	80	92	100	100	100	100	100	90	80	70
16	132043	88	96	80	100	92	100	100	100	100	100	90	90	90
17	132310	52	64	32	56	72	100	100	100	70	80	90	80	50
18	132041	56	76	12	36	92	100	100	100	70	70	90	70	50
19	132007	76	100	A	A	88	100	100	100	100	100	100	100	80
20	132058	80	96	92	96	84	100	100	100	100	100	90	90	80
21	132003	96	100	88	96	40	100	100	100	100	100	90	80	90
22	132066	20	52	72	96	40	100	90	100	80	80	90	80	0
23	132073	88	96	100	96	92	100	100	100	100	100	90	90	90
24	132067	52	68	44	88	84	100	80	100	70	60	90	80	50
25	132045	88	92	76	92	84	100	80	100	60	80	70	90	50
26	132008	28	72	48	76	56	100	80	100	60	80	70	90	0
27	132040	96	96	96	92	88	100	100	100	100	100	90	90	80
28	132018	60	64	84	80	88	70	90	100	90	80	90	80	70
29	132033	68	76	76	88	88	100	100	100	100	80	90	90	60
30	132016	96	100	92	88	92	100	100	100	100	100	90	80	90
31	132050	A	A	22	26	80	100	100	100	100	80	90	70	50
32	132012	80	92	96	100	96	100	100	100	90	90	80	80	60
33	132069	68	88	96	100	96	100	100	100	90	90	90	90	50
34	132054	76	80	40	60	72	100	90	90	90	90	80	80	50
35	132052	76	92	52	60	88	100	90	100	90	90	80	80	50
36	132063	80	72	32	60	78	90	90	90	90	90	70	80	50
37	132060	56	68	92	96	76	100	90	90	90	90	80	70	50
38	132302	56	16	32	60	72	90	90	90	90	80	70	70	50
39	132051	72	88	56	60	76	100	100	100	90	90	90	90	60
40	132032	68	92	60	60	72	100	90	90	90	90	80	90	50
41	132065	64	92	76	100	80	100	90	90	90	80	80	80	0
42	132071	40	60	58	60	60	90	90	90	90	80	90	80	0
43	132023	76	96	60	60	100	100	100	100	90	90	90	90	70
44	132026	84	92	56	60	96	100	100	100	90	90	90	90	80
45	132025	76	76	48	48	80	100	90	90	90	80	80	70	50

46	132046	96	100	56	60	96	100	90	100	90	90	90	90	80
47	132035	80	96	60	36	96	100	90	100	90	80	90	80	80
48	132013	92	80	56	48	60	100	90	90	90	80	80	70	50
49	132010	96	92	52	60	88	90	100	100	90	90	80	80	50
50	132020	72	88	92	96	96	100	90	100	90	90	80	90	80
51	132015	46	70	56	60	96	90	90	90	90	80	80	70	70
52	132004	96	68	72	96	100	100	90	90	90	90	90	90	80
53	132005	80	80	56	60	96	100	100	100	90	80	90	80	70
54	132028	76	88	96	100	100	100	100	100	90	80	80	80	70
55	132031	96	96	76	100	100	100	100	100	90	80	90	80	70
56	132057	88	100	100	100	100	100	100	100	90	90	90	90	70
57	132056	88	92	100	96	96	100	100	100	90	80	90	80	90
58	132036	100	92	100	100	100	100	100	100	90	90	90	90	90
59	132312	68	80	96	96	84	90	100	90	90	90	80	90	60
60	132021	92	96	88	100	96	100	100	100	90	90	90	90	80
61	132001	96	96	60	60	100	100	100	100	90	80	90	90	90
62	132311	56	64	40	8	73	90	90	90	80	80	80	80	60
63	132072	0	64	20	80	16	70	80	80	40	50	60	50	0
64	132024	76	92	92	88	80	90	90	90	90	90	80	90	100
65	132068	44	84	68	88	12	80	90	80	70	80	70	60	50
66	132101	60	92	92	92	84	80	90	90	50	70	70	70	60
67	132029	68	84	72	88	68	80	90	90	50	60	80	50	70
68	132042	40	36	80	88	60	80	90	90	50	60	60	80	50
69	132049	20	80	24	76	20	70	80	80	40	50	50	70	60
70	132037	88	100	96	96	96	90	90	90	80	90	80	90	70
71	132006	84	100	88	96	96	90	90	90	90	90	90	80	80
72	132047	84	92	80	88	60	90	90	90	90	90	90	80	70
73	132059	76	72	84	84	96	90	90	90	80	80	70	80	80
74	132055	48	76	72	92	72	90	90	90	70	70	70	50	80
75	132105	76	88	68	88	68	80	90	90	60	70	80	90	50
76	132301	96	44	68	72	80	90	90	90	80	80	80	70	70
77	132048	40	92	84	88	68	90	90	90	70	80	80	80	70
78	132304	84	100	96	96	80	90	90	90	80	80	80	80	70
79	132108	48	92	72	88	72	90	90	90	70	70	70	50	70
80	132017	92	100	80	92	96	90	90	90	90	90	90	90	80
81	132307	68	16	52	92	72	90	90	80	60	50	70	70	50
82	132002	80	100	80	92	80	90	90	90	80	90	80	90	80
83	132009	80	96	68	92	72	90	90	90	80	80	70	70	90
84	132102	68	88	92	96	64	90	90	90	80	70	70	70	70
85	132022	72	96	92	96	80	90	90	90	90	80	80	90	70
86	132019	92	100	92	92	88	90	90	80	90	80	80	80	80
87	132039	88	92	88	96	96	90	90	90	80	90	80	70	80
88	132034	64	88	84	84	96	90	90	90	80	90	70	80	60
89	132107	48	52	40	88	88	80	90	70	70	80	60	70	50
90	132309	36	76	64	92	96	90	90	90	70	70	70	60	60
91	132106	32	88	36	76	84	90	90	90	70	80	60	50	60
92	132030	52	88	96	96	96	90	90	90	80	90	80	90	70
93	132308	68	92	88	80	64	90	90	90	80	80	80	80	80
94	142912	A	A	100	84	76	100	100	100	80	90	90	80	50
95	142905	16	4	A	A	88	100	100	100	90	90	90	70	0
96	142915	76	64	80	96	76	100	100	100	100	100	70	80	50

97	142917	0	0	44	36	64	100	100	100	90	100	70	80	0
98	142913	56	68	80	76	82	100	100	100	100	100	80	80	50
99	142920	8	40	80	72	52	100	100	100	80	80	90	100	0
100	142926	40	32	72	60	24	100	100	100	70	80	90	100	50
101	142904	60	52	52	92	72	100	100	100	90	90	100	90	0
102	142927	A	A	60	68	60	100	100	100	80	80	90	80	0
103	142921	8	56	40	76	72	100	100	100	80	70	90	80	50
104	142916	A	A	26	30	76	90	90	90	90	80	90	80	50
105	142924	72	92	40	36	96	100	90	90	80	80	80	70	50
106	142922	24	72	52	60	92	100	90	100	80	80	80	80	0
107	142908	64	88	52	60	88	100	90	100	80	70	80	70	100
108	142909	44	52	56	60	84	100	90	90	90	80	80	80	50
109	142919	64	92	52	60	96	100	90	90	90	90	90	90	80
110	142902	40	44	26	60	80	100	90	90	90	80	80	80	0
111	142931	40	52	56	48	96	100	90	90	90	80	80	70	50
112	142907	68	88	60	60	100	100	100	100	90	80	90	80	70
113	142925	36	32	64	60	84	90	90	90	80	90	80	90	0
114	142401	36	64	68	84	80	90	90	90	70	70	70	60	70
115	142933	32	68	44	68	60	80	90	90	50	60	50	70	0
116	142914	52	68	52	64	76	90	80	80	60	70	70	40	50
117	142930	12	88	32	88		80	90	90	80	70	70	50	50
118	142901	72	88	84	96	96	90	90	90	80	90	80	70	80
119	142911	72	92	72	96	72	90	90	90	70	70	70	50	70
120	142910	20	24	56	72	88	80	90	90	70	60	60	70	60
121	142918	76	76	64	76	76	90	90	80	70	80	70	70	50
122	142903	4	4	0	60	52	80	80	90	50	50	60	30	0
123	142923	36	8	60	68	56	80	90	80	60	70	70	40	60

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO2	S2 CO4	Q1 CO2	Q2 CO4	AU
	63.03	**81.51**	**63.03**	**89.03**	**89.34**	**97.56**	**100**	**99.19**	**89.43**	**92.68**	**92.68**	**89.43**	**46.34**
Level	**1**	**3**	**1**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**0**

Survey:

Survey	C212.1	C212.2	C212.3	C212.4	C212.5
Obtained Percentage	89.96	88.32	87.67	87.98	86.18
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C212:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C212.1	1	3	-	-		1.6	0	0.64	**3**	1.11
C212.2	3	3	3	3		3	0	1.2	**3**	1.56
C212.3	1	3	-	-		1.6	0	0.64	**3**	1.11
C212.4	3	-	3	3		3	0	1.2	**3**	1.56
C212.5	3	-	-	-		3	0	1.2	**3**	1.56
C212										**1.38**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C212.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C212.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.1*Seminar + 0.1*Quiz]
C212.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C212.4	AU Exam	[0.6*Internal Test + 0.2*Seminar + 0.2*Quiz]
C212.5	AU Exam	[1*Internal Test]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C212 = \frac{C212.1 + C212.2 + C212.3 + C212.4 + C212.5}{5} = 1.38$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6403: Discrete Time Systems and Signal Processing-C213

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	Test					Assignment					TUTORIAL				AU
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO4	S1 CO5	Q1 CO3	T1 CO1	T2 CO2	T3 CO3	T4 CO4	
1	132044	88	80	96	100	96	90	100	100	70	70	100	90	100	100	70
2	132104	100	100	96	100	96	100	100	80	70	90	100	90	100	100	80
3	132064	32	60	AA	AA	50	90	0	0	0	0	0	0	0	0	0
4	132305	36	20	52	16	52	90	0	0	0	50	70	0	0	0	50
5	132313	68	44	68	16	40	100	0	0	0	40	50	50	0	0	0
6	132061	68	76	96	96	96	100	100	90	80	90	100	90	100	100	70
7	132103	64	56	56	84	84	100	70	80	80	80	70	60	100	80	50
8	132306	84	72	AA	AA	88	100	60	70	80	80	100	60	100	80	60
9	132070	52	48	68	44	0	0	0	0	0	0	0	0	0	0	0
10	132053	64	40	68	92	52	100	0	0	0	0	60	0	0	0	50
11	132062	76	80	68	72	72	50	50	70	0	70	80	0	0	70	70
12	132011	92	96	96	100	96	100	100	100	70	80	100	90	100	90	90
13	132027	88	80	84	100	92	90	100	80	60	80	100	90	100	90	50
14	132303	80	60	84	88	88	100	100	80	70	90	100	80	90	90	60
15	132014	100	80	52	48	80	90	60	70	70	90	70	60	100	80	50
16	132043	96	88	92	100	92	100	90	80	90	80	100	90	100	80	60
17	132310	80	24	AA	AA	80	0	0	0	60	90	0	0	0	0	70
18	132041	84	84	64	84	88	90	50	40	80	70	50	0	0	50	60
19	132007	96	64	44	88	88	90	90	80	80	80	100	90	90	90	80
20	132058	76	52	68	72	88	60	100	70	70	80	90	90	90	80	80
21	132003	88	96	96	88	96	100	90	100	100	100	100	90	100	100	80
22	132066	96	4	50	50	80	90	70	60	0	0	50	0	90	50	0
23	132073	100	88	96	100	96	100	90	100	100	100	100	100	100	100	90
24	132067	88	44	84	68	80	80	50	0	0	60	70	60	0	0	50
25	132045	64	56	60	40	84	90	0	0	0	60	60	0	0	0	60
26	132008	64	72	52	64	76	90	50	0	0	70	70				50
27	132040	88	76	92	92	92	80	50	70	90	70	70	50	100	80	70
28	132018	60	64	40	92	92	90	70	60	50	70	60	50	100	50	70
29	132033	80	72	68	56	88	100	90	80	70	90	50	100	50	50	70
30	132016	84	96	96	88	96	100	90	90	100	80	100	100	100	100	80
31	132050	AA	AA	60	92	92	60	70	80	80	80	80	100	0	60	0
32	132012	100	96	100	96	96	70	90	90	80	80	90	90	90	90	80
33	132069	80	40	100	92	96	70	90	90	80	80	90	90	90	90	70
34	132054	100	52	100	92	96	70	80	80	80	90	90	90	90	90	70
35	132052	100	84	100	100	AB	70	80	80	80	80	90	90	90	90	60
36	132063	60	52	60	64	96	70	80	80	70	90	90	90	90	90	0
37	132060	40	48	80	64	96	70	80	80	80	90	90	90	90	90	0
38	132302	60	64	80	76	96	70	80	80	50	90	90	90	90	90	50
39	132051	100	96	100	100	96	70	90	90	90	80	90	90	90	90	80
40	132032	80	60	100	100	96	70	90	90	80	80	90	90	90	90	70
41	132065	40	8	80	56	88	70	80	80	80	90	90	90	90	90	50
42	132071	32	16	40	8	96	70	80	80	70	90	90	90	90	90	0
43	132023	80	76	100	96	96	60	80	90	90	80	90	90	90	90	70
44	132026	100	92	100	100	96	70	80	80	80	80	90	90	90	90	70
45	132025	100	52	100	88	96	70	80	80	90	90	90	90	90	90	70

46	132046	AB	AB	100	100	96	70	80	90	80	80	90	90	90	90	90
47	132035	100	84	100	96	96	70	80	90	80	80	90	90	90	90	80
48	132013	88	76	92	60	96	70	80	80	50	90	90	90	90	90	50
49	132010	80	68	100	88	96	70	80	80	80	90	90	90	90	90	60
50	132020	80	84	100	96	96	70	80	80	80	80	90	90	90	90	90
51	132015	60	56	80	64	96	70	80	80	80	90	90	90	90	90	50
52	132004	64	60	100	96	96	70	80	80	80	80	90	90	90	90	70
53	132005	88	72	100	100	92	80	80	80	90	80	90	90	90	90	70
54	132028	88	80	100	96	96	80	80	80	80	80	90	90	90	90	70
55	132031	80	76	100	100	96	80	80	80	80	80	90	90	90	90	60
56	132057	100	92	100	100	96	80	80	80	80	80	90	90	90	90	70
57	132056	96	96	100	80	96	70	80	80	80	90	90	90	90	90	90
58	132036	100	96	100	100	96	80	80	80	90	80	90	90	90	90	90
59	132312	100	100	80	40	96	70	80	80	80	90	90	90	90	90	70
60	132021	100	100	100	48	96	70	80	80	90	90	90	90	90	90	80
61	132001	100	88	100	100	96	80	80	80	80	80	90	90	90	90	80
62	132311	100	96	88	56	96	70	80	80	90	90	90	90	90	90	70
63	132072	24	0	20	56	4	100	80	80	80	8	80	90	90	90	0
64	132024	92	100	100	100	96	100	100	100	100	75	100	100	100	100	70
65	132068	70	34	76	96	24	100	80	90	80	75	80	80	80	80	50
66	132101	72	68	84	88	84	100	100	100	90	75	80	100	100	100	70
67	132029	92	70	68	64	92	100	100	100	90	75	100	100	100	100	70
68	132042	52	48	55	72	92	100	80	80	90	75	80	80	80	80	50
69	132049	44	32	58	24	38	100	100	100	90	75	60	80	80	80	0
70	132037	80	72	90	100	90	100	100	100	100	100	80	80	70	80	60
71	132006	100	60	92	98	96	100	100	100	100	100	100	100	100	100	70
72	132047	74	94	78	96	92	100	100	100	100	100	100	100	100	100	50
73	132059	100	92	72	96	84	100	100	100	100	75	100	100	100	100	70
74	132055	16	60	24	58	92	100	90	90	90	75	80	100	100	100	70
75	132105	74	44	64	80	86	100	100	100	90	75	60	80	80	80	50
76	132301	90	80	76	86	72	100	100	100	100	75	100	100	100	100	70
77	132048	74	64	60	96	92	100	90	90	90	100	100	100	100	100	70
78	132304	100	88	92	100	96	100	100	100	100	100	4	100	100	100	50
79	132108	64	50	56	76	88	90	100	100	90	75	80	100	100	100	60
80	132017	100	96	98	96	92	100	100	100	100	100	100	100	100	100	80
81	132307	48	52	64	42	70	100	100	90	90	75	100	100	100	100	0
82	132002	80	96	100	100	96	100	100	100	100	100	100	100	100	100	90
83	132009	100	72	96	82	84	100	100	90	90	75	100	100	100	100	90
84	132102	90	78	92	96	96	100	100	90	100	100	100	100	100	100	80
85	132022	92	88	94	96	96	100	100	90	100	100	100	100	100	100	70
86	132019	100	88	94	96	94	100	100	90	100	100	100	100	100	100	80
87	132039	94	72	82	100	84	100	100	90	100	100	100	100	100	100	70
88	132034	88	96	92	100	82	100	90	90	100	75	100	100	100	100	80
89	132107	40	20	48	52	82	80	90	90	90	75	80	100	100	100	0
90	132309	72	58	46	92	92	100	90	100	100	100	100	100	100	100	80
91	132106	48	64	56	78	72	100	100	100	90	100	80	100	100	100	50
92	132030	96	88	96	96	88	100	100	100	90	75	100	100	100	100	70
93	132308	76	76	100	86	72	100	100	100	100	50	100	100	100	100	50
94	142912	AA	AA	52	72	64	50	50	0	70	50	60	60	0	0	0
95	142905	AA	AA	AA	AA	52	100	50	0	0	50	40	60	90	70	0
96	142915	48	24	76	36	92	90	70	0	90	50	80	60	100	70	50

97	142917	28	20	32	16	68	90	50	0	60	0	70	60	0	0	0
98	142913	56	52	56	44	76	90	70	70	60	70	70	60	0	0	60
99	142920	8	0	32	68	80	90	50	0	0	40	70	60	100	0	0
100	142926	8	4	0	4	68	80	70	0	0	40	70	60	0	0	0
101	142904	76	56	64	60	92	100	70	80	60	80	80	70	100	50	50
102	142927	16	8	60	40	54	90	60	50	0	40	70	0	0	0	0
103	142921	16	40	32	20	72	90	70	50	0	40	60	60	60	50	0
104	142916	40	0	20	0	52	70	80	80	80	90	90	90	90	90	0
105	142934	AB	AB	0	0	AB	AB	AB	AB	AB	A	A	A	A	A	0
106	142924	80	40	96	88	80	70	80	80	70	90	90	90	90	90	50
107	142922	60	40	60	40	80	70	80	80	70	90	90	90	90	90	0
108	142908	64	60	80	84	96	70	80	80	70	90	90	90	90	90	70
109	142909	60	52	60	0	64	70	80	80	70	90	90	90	90	90	50
110	142919	92	80	100	96	96	80	80	90	80	80	90	90	90	90	60
111	142902	60	52	68	32	56	70	80	80	70	90	90	90	90	90	0
112	142931	60	28	76	24	96	70	80	80	80	90	90	90	90	90	0
113	142907	64	64	100	100	96	80	80	90	80	80	90	90	90	90	50
114	142925	8	0	32	28	76	70	80	80	70	90	90	90	90	90	0
115	142933	36	16	52	64	68	100	100	100	90	50	80	80	80	100	70
116	142914	78	32	68	64	80	100	90	90	90	6	100	100	100	100	0
117	142930	4	36	32	68	84	100	80	90	80	50	80	100	100	100	60
118	142901	76	88	68	60	92	100	100	100	90	50	60	100	100	100	0
119	142911	54	46	80	100	96	100	100	100	90	50	100	100	100	100	60
120	142910	76	34	28	76	76	100	90	90	90	50	100	100	100	100	50
121	142918	40	8	82	80	92	100	100	100	90	50	80	100	100	100	0
122	142903	40	24	4	0	56	100	100	90	80	50	100	100	100	100	60
123	142923	24	20	20	48	68	100	90	90	90	50	80	100	100	100	0

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO4	S1 CO5	Q1 CO3	T1 CO1	T2 CO2	T3 CO3	T4 CO4	AU
	75.63	**57.14**	**75**	**73.33**	**89.34**	**68.29**	**77.24**	**78.86**	**81.3**	**77.24**	**86.18**	**78.86**	**84.55**	**82.11**	**44.35**
Level	**2**	**0**	**2**	**2**	**3**	**1**	**2**	**2**	**3**	**2**	**3**	**2**	**3**	**3**	**0**

Survey:

Survey	**C213.1**	**C213.2**	**C213.3**	**C213.4**	**C213.5**
Obtained Percentage	93.93	92.4	92.96	92.44	91.81
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C213:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C213.1	2	1	-	-	3	2	0	0.8	**3**	1.24
C213.2	0	2	-	-	2	0.8	0	0.32	**3**	0.86
C213.3	2	0	-	2	3	2.1	0	0.84	**3**	1.27
C213.4	2	2	-	-	3	2.2	0	0.88	**3**	1.3
C213.5	3	0	3	-	-	3	0	1.2	**3**	1.56
C213										**1.25**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C213.1	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C213.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C213.3	AU Exam	[0.7*Internal Test + 0.2*Quiz + 0.1*Tutorial]
C213.4	AU Exam	[0.6*Internal Test + 0.2*Seminar + 0.2*Tutorial]
C213.5	AU Exam	[0.8*Internal Test + 0.2*Seminar]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C213 = \frac{C213.1 + C213.2 + C213.3 + C213.4 + C213.5}{5} = 1.25$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6404: Measurements and Instrumentation-C214

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	Test					Assignment					AU
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	
1	132044	100	96	88	84	99	90	90	90	90	90	80
2	132104	96	96	88	96	99	90	90	90	90	90	90
3	132064	72	56	24	28	24	70	80	90	60	80	90
4	132305	24	56	36	60	64	70	80	90	60	80	80
5	132313	0	60	A	A	40	70	80	90	60	60	70
6	132061	96	88	92	96	99	90	90	90	90	90	80
7	132103	56	52	48	80	92	80	80	90	80	90	70
8	132306	100	80	84	96	99	90	90	90	90	80	50
9	132070	8	40	40	56	0	70	80	80	60	80	80
10	132053	72	84	64	40	40	70	80	80	80	80	80
11	132062	92	72	68	84	88	80	80	90	80	80	80
12	132011	96	92	84	96	99	80	80	90	90	90	90
13	132027	92	80	68	92	99	70	80	90	90	90	50
14	132303	88	68	84	88	99	80	80	90	90	90	70
15	132014	48	68	60	52	80	80	80	90	80	80	80
16	132043	100	96	96	96	99	90	90	90	90	90	80
17	132310	68	64	28	28	88	70	80	90	80	80	90
18	132041	92	72	76	88	96	70	80	90	80	80	50
19	132007	88	76	92	84	99	90	90	90	90	90	90
20	132058	96	84	96	88	99	90	90	90	90	90	90
21	132003	100	96	96	96	99	90	90	90	90	90	60
22	132066	20	20	24	36	80	70	80	90	60	60	70
23	132073	96	88	84	92	99	90	90	90	90	90	80
24	132067	64	40	36	36	84	90	90	90	80	80	70
25	132045	92	68	60	56	80	90	90	90	90	80	70
26	132008	32	48	48	60	72	70	80	90	80	80	90
27	132040	96	76	76	100	92	90	90	90	90	80	70
28	132018	64	44	64	96	84	90	90	90	60	80	70
29	132033	88	84	68	84	99	70	80	90	80	90	70
30	132016	100	92	88	96	99	90	90	90	90	90	70
31	132050	A	A	92	56	99	70	80	90	80	90	90
32	132012	96	100	64	92	99	100	90	90	90	90	50
33	132069	80	80	52	88	96	90	90	80	80	90	70
34	132054	96	80	36	88	92	90	90	90	80	90	70
35	132052	100	92	60	72		100	90	90	90	90	80
36	132063	20	88	52	72	64	80	80	90	80	80	90
37	132060	24	56	48	56	72	80	80	90	60	90	70
38	132302	56	8	60	72	52	80	80	90	60	80	80
39	132051	96	96	56	88	92	80	80	90	90	90	90
40	132032	100	92	72	76	96	90	90	90	90	90	50
41	132065	80	60	52	84	64	90	90	90	90	90	50
42	132071	A	A	16	0	16	70	80	60	60	80	90
43	132023	100	96	84	88	96	90	90	90	90	90	80
44	132026	92	80	96	76	96	90	90	90	90	90	50
45	132025	84	56	68	80	80	80	80	90	80	90	70

46	132046	A	A	84	96	96	90	90	90	90	90	70
47	132035	92	84	96	80	99	90	90	90	80	90	90
48	132013	92	72	76	92	52	70	80	90	80	90	0
49	132010	100	92	88	92	80	90	90	90	90	90	50
50	132020	100	96	76	96	99	90	90	90	90	90	90
51	132015	96	88	72	80	92	90	90	90	90	90	70
52	132004	96	84	88	88	96	90	90	90	90	90	60
53	132005	92	88	88	100	99	100	90	90	90	90	60
54	132028	88	88	88	88	99	70	80	90	90	90	70
55	132031	92	88	80	64	99	90	90	90	90	90	80
56	132057	96	100	96	96	99	90	90	90	90	90	80
57	132056	88	84	72	88	96	90	90	90	90	90	80
58	132036	100	92	84	96	99	90	90	90	100	90	70
59	132312	96	84	80	80	72	90	90	90	90	90	70
60	132021	88	100	92	92	99	90	90	90	100	90	70
61	132001	100	96	88	96	99	90	90	90	100	90	80
62	132311	92	80	68	80	76	90	90	90	80	90	70
63	132072	28	40	36	52	30	80	90	90	80	60	70
64	132024	72	84	76	92	84	90	100	90	100	90	50
65	132068	16	84	56	68	26	80	90	90	90	70	50
66	132101	56	72	84	68	78	90	90	80	90	80	70
67	132029	76	84	80	84	60	90	100	90	90	80	60
68	132042	40	20	44	96	70	90	80	90	80	70	70
69	132049	40	64	68	48	36	80	70	90	80	70	50
70	132037	76	92	88	64	90	90	90	100	100	90	0
71	132006	56	88	84	94	80	90	90	100	100	80	0
72	132047	68	68	84	92	78	90	100	100	100	80	90
73	132059	36	64	76	96	90	90	80	90	90	70	70
74	132055	80	68	56	56	62	90	90	90	90	70	80
75	132105	84	16	76	52	54	90	80	90	80	70	70
76	132301	80	64	80	76	92	100	90	100	100	90	80
77	132048	92	76	56	92	84	100	90	100	100	100	70
78	132304	92	80	92	60	90	100	90	100	90	80	90
79	132108	44	60	88	96	92	90	80	90	90	70	60
80	132017	84	76	96	96	92	100	90	100	100	90	70
81	132307	64	56	92	84	68	80	70	90	80	70	80
82	132002	76	72	92	100	84	90	90	100	90	90	50
83	132009	84	84	92	96	90	100	90	100	90	80	80
84	132102	88	92	76	92	90	90	90	100	90	90	80
85	132022	72	80	84	96	90	90	90	100	90	90	60
86	132019	96	84	96	100	92	100	100	100	100	100	70
87	132039	96	96	88	96	96	100	100	90	90	90	70
88	132034	92	72	88	76	66	90	100	90	80	80	50
89	132107	68	56	44	92	86	90	80	90	80	70	80
90	132309	52	72	92	88	92	90	80	90	90	90	70
91	132106	64	52	48	84	56	90	80	90	80	70	70
92	132030	92	64	52	92	76	90	90	90	80	80	70
93	132308	68	76	64	92	70	92	90	90	80	80	0
94	142912	96	68	80	56	68	70	80	80	80	80	90
95	142905	A	A	A	A	22	80	80	80	60	80	70
96	142915	32	68	56	76	80	70	80	90	60	80	50

97	142917	40	40	24	32	72	70	80	80	60	80	0
98	142913	48	72	48	76	72	80	80	80	60	80	50
99	142920	40	48	16	32	48	70	80	80	60	70	0
100	142926	40	60	A	A	40	70	80	80	60	70	80
101	142904	48	76	84	68	92	80	80	80	60	70	70
102	142927	24	40	48	72	68	70	80	80	60	70	70
103	142921	0	36	16	84	28	70	80	80	60	70	70
104	142916	12	20	52	24	60	70	80	60	80	80	70
105	142934	A	72	0	0	A	0	0	0	60	70	60
106	142924	96	64	84	40	68	80	80	90	60	80	50
107	142922	16	80	48	36	80	80	80	60	60	80	70
108	142908	60	72	52	92	68	80	80	90	60	80	50
109	142909	76	96	48	72	84	70	80	60	60	80	0
110	142919	96	28	56	76	96	80	80	60	80	80	0
111	142902	72	72	16	72	72	80	80	60	60	80	70
112	142931	40	96	52	84	60	80	80	60	60	80	90
113	142907	92	52	70	80	96	80	80	80	80	90	0
114	142925	0	68	80	98	96	70	80	80	60	70	0
115	142933	16	52	60	56	62	80	90	80	70	60	50
116	142914	56	84	68	80	70	90	90	90	80	80	90
117	142930	A	A	80	64	86	80	80	90	90	80	70
118	142901	72	84	76	96	58	100	100	90	80	80	50
119	142911	72	80	92	92	96	90	90	100	90	90	0
120	142910	52	72	56	68	76	90	80	90	80	80	50
121	142918	88	56	88	92	80	90	90	100	80	80	0
122	142903	28	8	24	36	54	80	80	90	60	60	0
123	142923	24	52	80	52	78	80	80	90	80	80	50

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	AU
	69.49	76.74	67.77	79.34	84.55	79.03	97.58	93.55	78.23	97.97	66.13
Level	1	2	1	2	3	2	3	3	2	3	1

Survey:

Survey	C214.1	C214.2	C214.3	C214.4	C214.5
Obtained Percentage	92.74	89.66	91.29	90.45	89.62
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C214:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C214.1	1	2	-	-		1.3	1	1.12	**3**	1.5
C214.2	2	3	-	-		2.3	1	1.52	**3**	1.82
C214.3	1	3	-	-		1.24	1	1.24	**3**	1.59
C214.4	2	-	2	-		1.4	1	1.4	**3**	1.72
C214.5	3	-	-	3		1.8	1	1.8	**3**	2.04
C214										**1.73**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C214.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C214.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C214.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C214.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]
C214.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C214 = \frac{C214.1 + C214.2 + C214.3 + C214.4 + C214.5}{5} = 1.73$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: CS6451: Object Oriented Programming Lab-C215
Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044		90	90	90	90	90		90	90	100	90	90		90	90	100
2	132104	90	90	90		90	90		90	90		90	90	100	90	90	90
3	132064		90	90	70	90	90		90	90	70	90	90		90	90	70
4	132305	70	90	90		90	90		90	90	70	90	90		90	90	80
5	132313		90	90		90	90	70	90	90	80	90	90		90	90	70
6	132061	90	90	90		90	90		90	90		90	90	90	90	90	80
7	132103		90	90		90	90	90	90	90		90	90	90	90	90	100
8	132306	90	90	90		90	90		90	90	100	90	90		90	90	100
9	132070		90	90	70	90	90	70	90	90		90	90		90	90	70
10	132053		90	90	70	90	90	70	90	90		90	90		90	90	80
11	132062	90	90	90		90	90		90	90		90	90	90	90	90	90
12	132011		90	90	90	90	90		90	90	100	90	90		90	90	100
13	132027	90	90	90		90	90		90	90	100	90	90		90	90	90
14	132303	100	90	90		90	90		90	90	92	90	90		90	90	90
15	132014		90	90	70	90	90		90	90	70	90	90		90	90	100
16	132043	100	90	90		90	90		90	90	96	90	90		90	90	100
17	132310		90	90	70	90	90		90	90	70	90	90		90	90	60
18	132041	70	90	90		90	90		90	90	70	90	90		90	90	70
19	132007	100	90	90		90	90		90	90	90	90	90		90	90	90
20	132058		90	90	90	90	90		90	90		90	90	90	90	90	90
21	132003	98	90	90		90	90		90	90	98	90	90		90	90	100
22	132066	70	90	90		90	90		90	90	70	90	90		90	90	60
23	132073		90	90	90	90	90		90	90	100	90	90		90	90	100
24	132067	70	90	90		90	90		90	90	70	90	90		90	90	80
25	132045		90	90		90	90	70	90	90		90	90	70	90	90	70
26	132008		90	90	70	90	90		90	90	70	90	90		90	90	60
27	132040	100	90	90		90	90		90	90		90	90	98	90	90	100
28	132018		90	90	70	90	90		90	90		90	90	70	90	90	70
29	132033		90	90		90	90	90	90	90		90	90	90	90	90	100
30	132016	90	90	90		90	90		90	90		90	90	100	90	90	100
31	132050		90	90	90	90	90	90	80	90		90	90		90	90	90
32	132012	80	90	90		90	80		80	90	80	80	90		80	90	90
33	132069	80	80	90		90	80		80	90		80	90	90	80	90	80
34	132054		80	80	80	90	80		90	90		80	90	84	80	90	80
35	132052	80	80	80		90	80	86	90	90		80	90		80	90	100
36	132063	90	80	90		90	80		80	90	100	80	90		80	90	70
37	132060		80	90		90	80	90	80	90		90	80	90	80	90	70
38	132302		80	80	70	90	80		80	90	80	90	80		80	90	70
39	132051	80	80	80		80	80	90	80	90		90	80		80	90	100
40	132032	70	80	90		80	90		80	80	80	90	80		80	90	80
41	132065		80	90	70	80	90		80	80		90	80	80	80	90	70
42	132071	90	80	90		80	90		80	80		90	80	82	80	90	60
43	132023		80	80		80	90	88	80	80		90	80	88	80	90	100
44	132026		80	80	96	90	90		80	80		90	80	96	80	90	100
45	132025	96	80	80		80	90		80	80	96	90	80		80	90	70
46	132046		80	90	92	90	80		80	90		90	80	92	80	90	100

47	132035		90	90	88	80	80		90	90		90	80	90	80	90	90
48	132013		80	80	88	90	80		90	90		90	80	90	80	90	70
49	132010	86	80	80		80	80		90	90	86	90	80		80	90	80
50	132020	80	80	80		80	80		90	90		90	80	80	80	90	80
51	132015		80	80	76	90	90		90	90	76	80	90		80	90	100
52	132004		80	80		80	90	82	90	90		80	90	82	80	90	100
53	132005		80	80	74	90	90		80	80		80	90	76	80	90	90
54	132028	94	80	80		80	90		80	80	96	80	90		80	90	90
55	132031		80	80	80	90	80		80	80	80	80	90		80	90	90
56	132057		80	90		90	90	90	80	80		80	90	90	80	90	100
57	132056		90	90	84	90	80		80	80	86	80	90		80	90	90
58	132036	74	90	90		80	90		80	80	76	80	90		80	90	100
59	132312		90	90	78	80	80		80	80		80	90	80	80	90	100
60	132021		90	90		80	90	90	80	80		80	90	90	80	90	100
61	132001	92	90	90		80	80		80	80	92	80	90		80	90	100
62	132311		90	90	92	90	90		80	80		80	90	94	80	90	90
63	132072		90	60	74	50	85		40	80		65	85	76	80	80	70
64	132024	94	70	100		55	100		50	100	96	70	75		50	100	100
65	132068		85	100	80	60	90		55	80	80	75	100		40	100	80
66	132101		80	100		65	80	90	60	100		80	100	90	75	100	80
67	132029		95	100	84	70	100		65	100	90	85	85		65	90	70
68	132042	74	65	100		75	100		45	100	76	85	100		60	95	60
69	132049		60	100	78	55	85		60	100		90	100	80	60	90	70
70	132037	98	70	100		95	100		50	100		85	95	98	80	100	70
71	132006		75	100		60	80	90	65	90		95	100	90	70	100	100
72	132047	92	85	100		85	95		60	100	92	90	100		80	100	100
73	132059		60	100	92	45	95		60	70	94	80	100		85	100	70
74	132055	84	65	100		40	100		65	100		80	100	84	75	80	70
75	132105		75	100	84	45	100		70	100	84	70	100		70	100	70
76	132301	94	80	100		50	100		75	100	96	70	100		60	100	90
77	132048		80	100	92	90	90		55	100		85	100	94	85	100	80
78	132304	94	60	100		60	100		80	100	96	85	100		70	100	100
79	132108	88	80	100		40	100		60	100	90	65	95		60	100	70
80	132017		65	100	94	75	100		90	100	96	70	100		80	100	100
81	132307		70	100	92	50	100		70	100		75	85	92	76	100	100
82	132002	97	45	100		85	100		85	100		60	100	94	80	100	100
83	132009	80	85	100		40	100		50	95	80	60	100		70	90	90
84	132102	90	65	100		65	90		70	100		70	95	82	80	85	80
85	132022		60	100		70	95	88	80	100		65	100	88	75	90	80
86	132019		85	100	96	75	100		85	100		70	85	96	80	80	90
87	132039	96	95	100		60	95		65	100	96	85	100		70	95	80
88	132034	80	60	100		40	100		50	100		75	100	90	65	95	90
89	132107		40	100	80	40	85		40	80		50	100	84	60	95	60
90	132309		55	100		65	100	88	75	100		95	100	90	60	100	70
91	132106	80	50	100		50	70		70	100	86	80	100		85	100	70
92	132030		65	100	92	55	100		70	100		100	100	92	95	100	90
93	132308	90	60	100		60	100		80	90	50	75	100		95	100	100
94	142912	70	70	80		80	90		90	80	70	80	90		80	90	60
95	142905		70	80	70	80	90		90	80	70	80	90		80	90	0
96	142915		70	80		80	90	70	90	80		80	90	70	80	90	70
97	142917	70	70	80		80	90		90	80		80	90	70	80	90	50

98	142913		70	80	70	80	90		90	80	70	80	90		80	90	70
99	142920		80	80	70	80	90		90	80	70	80	90		80	90	60
100	142926	70	80	80		80	90		90	80	70	80	90		80	90	50
101	142904		80	80	70	80	90		90	80		80	90	70	80	90	80
102	142927	50	80	80		80	90		90	80	50	80	90		80	90	50
103	142921		80	80	70	80	90		90	80		80	90	70	80	90	80
104	142916	70	80	80		80	90		90	80	70	80	90		80	90	60
105	142924	84	80	80		80	90	90	90	80		80	90		80	90	70
106	142922		80	80	84	80	90		90	80	84	80	90		80	90	70
107	142908	94	90	80		80	90		90	80	96	80	90		80	90	90
108	142909	88	90	80		80	90		90	80	90	80	90		80	90	80
109	142919		90	80	92	80	90		90	80		80	90	92	80	90	100
110	142902	94	90	80		80	90		90	80	96	80	90		80	90	60
111	142931		90	80	94	80	90		90	80	96	80	90		80	90	60
112	142907	94	90	80		80	90		90	80		80	90	94	80	90	90
113	142925		90	80	80	80	90		90	80	80	80	90		80	90	60
114	142401		70	100		55	100	90	80	85		85	100	90	75	100	80
115	142933		80	70	70	65	90		75	70	80	80	100		90	100	60
116	142914		40	100	80	70	100		70	95	90	70	95		95	100	60
117	142930	70	60	100		75	100		80	90	80	75	100		100	100	60
118	142901		80	100	88	80	85		80	100		85	100	90	95	100	80
119	142911	86	80	100		90	95		85	95	86	70	100		90	100	80
120	142910		75	100	70	60	100		85	100		80	100	90	90	95	50
121	142918	80	55	85		40	85		35	80		60	100	80	50	90	60
122	142903		65	100	76	40	95		60	90	76	55	80		65	80	50
123	142923		75	100		40	100	82	30	100		50	85	82	70	75	60

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	AU
	77	85	98.37	56.86	77.24	99.19	77.27	82.93	98.37	68.25	92.68	99.19	85.19	80.24	99.19	43.09
Level	2	3	3	0	2	3	2	3	3	1	3	3	3	3	3	0

Survey:

Survey	C215.1	C215.2	C215.3	C215.4	C215.5
Obtained Percentage	90.79	91.36 90.75	90.83	91.52	
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C215:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C215.1	2	3	3	3	2.4		0	0.96		1.37
C215.2	-	2	3	3	1		0	0.4		0.92
C215.3	2	3	3	3	2.4		0	0.96		1.37
C215.4	1	3	3	3	1.8		0	0.72		1.18
C215.5	3	3	3	3	3		0	1.2		1.56
C215										**1.28**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C215.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C215.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C215.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C215.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C215.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C215 = \frac{C215.1 + C215.2 + C215.3 + C215.4 + C215.5}{5} = 1.28$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6411: Electrical Machines Lab-I-C216
Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044		93	90	99	100	90		95	90		95	90		97	90	100
2	132104	97	80	90		80	90		80	90		80	90		80	90	100
3	132064	80	80	90		80	90		80	90		80	90		80	90	80
4	132305		80	83	80	80	80		80	85		80	90		80	90	80
5	132313		80	90		80	90	82	80	90		80	90		80	90	80
6	132061		80	90	90	80	90	99	95	90		95	90		100	90	90
7	132103		93	90		95	90		95	80		100	80	99	100	90	100
8	132306	94	93	90		90	90		100	90		95	90		97	90	90
9	132070		80	80	75	80	80		80	80		80	80		80	80	70
10	132053		87	90		90	90		95	90	82	90	90		100	90	90
11	132062		80	83		90	80		80	80		80	90	90	87	87	80
12	132011		97	90		100	90	99	95	90		95	90		100	90	100
13	132027		80	90		80	90		80	90		80	90	95	80	90	100
14	132303		80	90		80	90	97	80	90		80	90		80	90	100
15	132014		80	90		80	90		80	80	99	85	80		87	90	100
16	132043		97	90		100	90	99	100	90		100	90		100	90	100
17	132310	80	80	80		80	80		80	80		80	80		83	90	70
18	132041		80	90		80	90		80	90	82	80	90		83	90	80
19	132007		90	90		90	90	99	90	90		95	90		90	90	100
20	132058		80	90		80	90		80	90	97	80	90		80	90	100
21	132003		100	90	99	95	90		90	90		90	90		90	90	100
22	132066		80	83	80	80	90		80	90		80	90		80	87	90
23	132073	99	100	90		95	90		100	90		100	90		100	90	100
24	132067		80	90		80	90		80	90	90	80	90	78	80	87	100
25	132045	85	80	83		80	80		80	80		80	80	75	80	80	90
26	132008		80	80	85	80	90		80	90		80	90		80	87	90
27	132040		100	90		95	90		100	90	99	100	90		100	90	100
28	132018		80	83		85	90		85	80	82	90	90		83	90	90
29	132033		80	90		80	90		80	90	94	80	90		80	90	100
30	132016		100	90		95	90		100	90	99	100	90		100	90	100
31	132050		80	80		80	80		80	90		80	80	90	80	80	100
32	132012		90	90	80	90	90		85	90		90	90		90	90	100
33	132069	85	83	90		80	90		90	90		90	90		87	90	100
34	132054	80	77	90		85	90		80	90		90	90		87	90	100
35	132052		90	90	90	90	90		85	90		80	90		90	90	100
36	132063		80	83	70	90	80		80	85		90	90		87	90	100
37	132060		87	90		85	90	65	85	90		80	90		83	90	100
38	132302		80	90		75	90		70	90		85	80	65	80	90	90
39	132051		80	90		90	90	70	85	90		90	90		80	90	100
40	132032		83	90		80	90		85	90		85	90	85	83	90	100
41	132065	78	90	90		90	90		80	90		90	90		87	90	90
42	132071		83	80	60	85	80		85	80		90	80		87	80	90
43	132023		83	90		85	90	90	85	90		85	90		83	90	100
44	132026		83	90		80	90	70	90	90		80	90		87	90	100
45	132025		83	90		85	90		85	90	68	85	90		87	90	100
46	132046		90	90		90	90		90	90	90	90	90		90	90	100

47	132035		90	90		90	90	80	90	90		90	90		90	90	100
48	132013		73	90		75	90		70	80	70	70	80		70	90	90
49	132010	60	67	80		70	80		75	80		85	80		70	90	100
50	132020		83	90		85	90		85	90	80	90	90		80	90	100
51	132015		83	90		90	90		85	90	60	85	90		83	90	100
52	132004		83	90	90	90	90		90	90		90	90		90	90	100
53	132005	70	90	90		90	90		90	90		90	90		90	90	100
54	132028		90	90		90	90		90	90	80	90	90		90	90	100
55	132031		90	80		85	80		80	90	80	80	80		80	80	100
56	132057		90	90	80	90	90		90	90		90	90		90	90	100
57	132056		90	87		90	90	68	90	80		80	85		87	83	100
58	132036		90	90		90	90		90	90		90	90	92	90	90	100
59	132312		90	80		90	85	50	90	80		90	85		90	83	100
60	132021		80	83	75	85	90		90	80		85	85		87	87	100
61	132001		90	90		90	90		90	90		90	90	85	90	90	100
62	132311	70	83	80		90	80		80	80		80	80		83	80	100
63	132072		70	30		70	40		70	50	66	70	40		70	20	60
64	132024		90	80		90	80		90	80	96	90	80		90	70	100
65	132068	80	80	60		80	80		70	40		80	60		80	50	80
66	132101		90	60		90	50	86	90	50		90	70		90	50	100
67	132029		90	70	80	90	70		90	50		90	60		90	70	100
68	132042		80	60	82	75	50		80	50		85	40		80	60	80
69	132049		80	60		75	40		80	40		70	40		80	60	80
70	132037		90	60		90	70		90	75	94	90	80		90	70	90
71	132006		90	60		90	80		90	75		90	75	96	90	60	100
72	132047		90	60		90	80	96	90	75		90	80		90	60	100
73	132059		80	70		90	60		85	75		90	85	90	85	70	90
74	132055	88	90	60		90	55		80	75		90	70		90	60	100
75	132105		80	60		90	50	84	80	75		90	70		90	60	90
76	132301	88	90	70		85	80		90	75		90	70		90	60	100
77	132048		90	60		90	60		90	75	84	90	75		90	60	100
78	132304		90	70		95	60		90	80		90	75	94	90	80	100
79	132108		80	50	80	85	65		80	70		90	45		80	60	90
80	132017		90	90		90	75	96	90	90		90	75		90	90	100
81	132307	80	80	50		85	60		75	45		80	60		90	70	80
82	132002		90	80		90	85		90	90		90	75	96	90	90	100
83	132009		90	90		80	75	90	80	80		90	75		80	80	100
84	132102		90	70	86	90	60		90	60		90	55		90	60	100
85	132022		90	70	92	90	75		90	75		90	80		90	80	100
86	132019		90	70		90	80		80	85	94	90	75		90	80	100
87	132039		90	70		90	80	94	90	85		90	85		90	70	100
88	132034	90	90	70		90	80		90	85		90	75		90	80	100
89	132107		90	70		90	60		90	65	90	90	55		90	70	80
90	132309		90	60		90	65		90	75		90	80	92	90	60	90
91	132106		80	70		75	80		90	65		80	65	88	80	70	100
92	132030	96	80	70		90	65		80	75		90	80		90	70	100
93	132308		90	50	90	90	75		90	70		90	80		90	70	100
94	142912		80	80		80	90		80	80		80	80	80	80	90	70
95	142905	80	80	83	80	85	90		80	80		80	90		83	90	0
96	142915		80	87		80	90	82	85	80		80	80		83	87	100
97	142917		80	83		80	90	80	80	80		80	80		80	80	90

98	142913		80	83	85	80	90		80	90		80	90		80	90	90
99	142920	95	80	87		80	90		80	90		80	90		80	80	80
100	142926		80	80		80	80		80	80		80	80	85	80	80	90
101	142904		80	90	80	80	80		80	80		80	80		80	90	100
102	142927		80	80		80	80		80	80	85	80	90		80	90	90
103	142921	80	80	90		80	80	68	80	80		80	90		80	90	90
104	142916	65	80	80		80	80		80	80		80	80		80	80	90
105	142924		83	80		90	90		80	90		90	90	70	90	90	90
106	142922		80	80		80	80		90	90		90	90	75	90	83	80
107	142908		70	70	68	75	75		80	80		80	80		80	80	100
108	142909		80	80		90	90		90	90	65	90	90		83	83	90
109	142919		90	90		90	90		90	90	96	90	90		90	90	100
110	142902		80	80		80	80		80	80		80	80	60	80	80	90
111	142931		80	80		80	80	68	80	85		90	90		90	87	100
112	142907		90	80		90	85		90	80		80	85	95	83	83	100
113	142925	65	80	80		80	80		80	80		90	85		90	90	90
114	142401		90	70	90	90	55		90	60		90	75		90	70	100
115	142933		70	50		75	50		75	40	80	90	50		80	60	90
116	142914		90	60		90	70		90	45		85	50	82	80	70	90
117	142930		80	50		75	60	84	80	55		85	70		80	50	90
118	142901		90	70		90	75		90	75	94	90	75		90	70	100
119	142911		90	60		90	75	88	90	75		90	75		90	70	100
120	142910		80	60		90	60		85	50		85	60	82	90	60	90
121	142918		90	60		90	75	90	90	75		90	55		90	50	90
122	142903		80	50	80	70	30		80	50		90	50		70	20	90
123	142923	84	80	60		90	45		80	55		90	55		90	40	90

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	AU
	75	95	81.3	80.77	91.06	82.93	73.08	94.31	86.18	81.48	97.56	86.99	75	96.75	83.74	86.18
Level	2	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3

Survey:

Survey	C216.1	C216.2	C216.3	C216.4	C216.5
Obtained Percentage	94.47	93.9	92.8	93.61	93.99
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C216:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C216.1	2	3	3	3	2.4		3	2.76		2.81
C216.2	3	3	3	3	3		3	3		3
C216.3	2	3	3	3	2.4		3	2.76		2.81
C216.4	3	3	3	3	3		3	3		3
C216.5	2	3	3	3	2.4		3	2.76		2.81
C216										**2.89**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C216.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C216.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C216.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C216.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C216.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C216 = \frac{C216.1 + C216.2 + C216.3 + C216.4 + C216.5}{5} = 2.89$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6501: Power System Analysis-C301

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	Test					Assignment									AU
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	Q1 CO4	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T CO5	
1	132044	72	88	96	96	96	90	90	90	90	90	90	90	90	90	7
2	132104	88	92	96	88	96	90	90	90	90	90	90	90	90	90	5
3	132064	8	0	36	84	84	60	70	80	70	70	60	80	90	70	7
4	132305	12	0	4	0	85	60	60	70	60	60	60	70	80	70	
5	132313	56	72	60	52	96	70	80	80	70	80	90	80	90	90	9
6	132061	48	72	96	88	96	90	90	90	80	90	90	90	90	90	7
7	132103	32	28	64	60	96	90	90	90	90	90	90	90	90	90	7
8	132306	A	A	76	76	96	90	90	90	90	90	90	90	90	90	7
9	132070	60	42	4	60	92	80	70	80	60	60	80	80	90	90	6
10	132053	96	72	76	72	96	90	90	90	90	90	90	90	90	90	5
11	132062	62	62	72	68	96	90	90	90	80	90	90	90	90	90	5
12	132011	96	96	96	96	96	90	90	90	90	90	90	90	90	90	7
13	132027	60	60	28	36	96	90	90	90	90	90	90	90	90	90	9
14	132303	76	92	96	80	96	90	90	90	90	90	90	90	90	90	7
15	132014	80	68	92	88	56	90	90	90	80	90	90	90	90	90	7
16	132043	96	92	96	96	96	90	90	90	90	90	90	90	90	90	9
17	132310	60	44	68	36	88	90	90	90	70	90	90	90	90	90	9
18	132041	42	58	48	72	96	90	90	90	60	80	90	90	90	90	7
19	132007	88	92	96	88	99	90	90	90	90	90	90	90	90	90	9
20	132058	84	72	96	88	99	90	90	90	80	90	90	90	90	90	7
21	132003	96	84	96	96	99	90	90	90	90	90	90	90	90	90	5
22	132066	34	34	16	40	92	70	80	80	70	60	70	80	60	90	5
23	132073	96	96	100	100	96	90	90	90	90	90	90	90	90	90	7
24	132067	60	44	64	76	92	80	90	90	60	70	80	60	80	90	5
25	132045	76	68	96	52	96	80	80	90	60	70	70	90	80	80	7
26	132008	30	18	60	68	64	90	80	80	60	70	80	60	80	80	7
27	132040	90	86	92	76	96	90	90	90	90	90	90	90	90	90	9
28	132018	70	54	60	60	92	80	90	90	70	80	80	90	80	80	
29	132033	60	46	72	52	96	80	90	90	80	80	90	90	90	90	6
30	132016	96	92	92	96	96	90	90	90	90	90	90	90	90	90	9
31	132050	70	54	92	80	96	90	90	90	80	90	90	60	90	90	5
32	132012	80	72	100	100	100	100	100	100	90	100	100	100	100	100	9
33	132069	56	70	96	28	50	100	100	100	90	100	100	100	100	100	7
34	132054	60	44	25	54	96	100	100	100	80	80	80	100	90	90	5
35	132052	80	72	100	96	94	100	100	100	90	100	90	100	90	100	9
36	132063	50	16	36	84	50	100	100	100	80	80	70	90	80	90	7
37	132060	50	12	55	25	74	100	100	100	90	70	70	80	60	70	7
38	132302	38	30	88	80	64	100	100	100	100	60	60	70	70	70	9
39	132051	60	64	92	86	88	100	100	100	90	100	100	100	100	100	5
40	132032	47	38	80	90	94	100	100	100	90	100	100	100	100	100	9
41	132065	26	36	30	98	80	100	100	100	100	80	80	70	70	80	9
42	132071	4	6	40	80	22	100	100	100	80	40	60	50	60	50	9
43	132023	80	90	100	88	98	100	100	100	90	100	100	100	100	100	7
44	132026	74	98	100	92	98	100	100	100	90	100	100	100	100	100	7
45	132025	50	38	72	76	90	100	100	100	80	90	90	90	90	90	5

46	132046	88	72	100	90	100	100	100	100	90	100	100	100	100	100	9
47	132035	74	74	92	100	98	100	100	100	90	100	100	100	100	100	
48	132013	22	40	84	88	98	100	100	100	100	90	80	80	70	80	9
49	132010	68	62	30	34	92	100	100	100	80	90	90	90	80	80	9
50	132020	82	96	74	98	88	90	100	100	90	100	100	100	100	100	5
51	132015	54	60	86	84	90	90	80	100	80	100	100	100	100	100	9
52	132004	66	64	86	86	98	90	90	100	90	100	100	100	100	100	9
53	132005	76	28	96	80	96	100	90	100	90	100	100	100	100	100	9
54	132028	80	76	86	88	98	100	90	100	90	100	100	100	100	100	9
55	132031	88	74	86	88	100	100	80	100	90	100	100	100	100	100	9
56	132057	53	26	100	100	98	100	100	100	90	100	100	100	100	100	9
57	132056	94	82	74	98	98	100	100	100	80	100	100	100	100	100	7
58	132036	86	78	100	92	100	100	100	100	90	100	100	100	100	100	9
59	132312	50	60	100	78	98	100	100	100	80	100	80	90	90	90	7
60	132021	90	88	100	60	100	100	100	100	80	100	100	100	100	100	7
61	132001	86	79	100	98	100	100	100	100	90	100	100	100	100	100	9
62	132311	58	70	20	80	50	100	100	100	80	90	90	80	80	80	
63	132072	0	0	A	A	76	80	4	60	80	40	20	50	50	40	7
64	132024	96	92	84	92	92	100	100	100	80	90	100	100	100	100	6
65	132068	80	96	72	76	70	90	100	100	80	90	90	90	100	100	9
66	132101	72	56	56	52	88	100	100	100	80	90	90	100	100	90	7
67	132029	64	60	72	74	96	90	100	100	80	100	100	90	90	90	5
68	132042	60	52	44	88	84	90	100	100	80	100	90	90	90	50	9
69	132049	8	0	A	A	88	80	100	100	80	60	50	80	50	90	
70	132037	64	64	92	88	72	90	100	100	80	40	100	90	90	100	6
71	132006	80	60	92	88	92	90	100	100	90	100	100	100	100	100	9
72	132047	96	48	80	88	92	90	100	100	90	90	100	100	100	100	5
73	132059	68	40	72	32	96	100	100	100	80	90	80	90	90	90	7
74	132055	52	48	46	52	80	90	100	100	80	90	90	90	90	100	
75	132105	64	56	88	82	92	90	80	90	80	90	100	100	100	100	7
76	132301	48	52	84	76	80	100	100	100	80	100	100	100	100	100	9
77	132048	64	64	80	90	84	90	100	100	90	100	100	100	100	100	7
78	132304	40	36	88	92	92	90	100	100	90	100	100	100	100	100	5
79	132108	40	24	44	72	80	100	100	100	80	90	100	100	100	100	7
80	132017	88	80	96	96	96	90	100	100	90	100	100	100	100	100	6
81	132307	60	20	78	36	72	90	100	90	80	100	100	90	90	90	5
82	132002	90	76	84	96	96	90	100	100	90	100	100	100	100	100	9
83	132009	80	88	96	92	96	100	100	100	80	100	100	100	100	100	7
84	132102	84	72	88	88	96	90	100	100	90	100	100	100	100	100	7
85	132022	80	88	96	92	96	90	100	100	90	100	100	100	100	100	5
86	132019	72	92	88	96	96	90	100	100	90	100	100	100	100	100	9
87	132039	72	80	94	84	88	90	100	100	90	100	100	100	100	100	9
88	132034	80	80	72	88	96	90	100	100	80	100	80	90	70	80	9
89	132107	28	0	80	20	76	90	100	80	80	50	70	80	80	90	9
90	132309	80	20	72	84	96	90	100	100	90	100	80	100	100	100	7
91	132106	44	4	20	72	88	90	100	100	80	80	100	90	90	90	9
92	132030	68	80	88	84	88	90	100	100	90	100	90	100	100	100	9
93	132308	80	20	72	68	92	100	100	100	80	100	100	100	100	100	5
94	142912	24	16	68	72	56	80	90	80	80	60	80	60	70	80	9
95	142915	44	12	36	36	96	80	90	80	70	70	80	70	70	80	9
96	142917	30	26	36	36	80	80	80	90	3	70	70	80	80	80	7

97	142913	20	12	36	32	96	90	80	80	70	70	80	80	80	80	9
98	142920	20	16	10	0	92	80	90	80	70	80	80	70	80	90	6
99	142926	9	7	16	36	89	60	60	50	2	80	80	70	80	80	9
100	142904	16	56	80	68	96	90	90	90	80	90	90	90	80	90	5
101	142927	5	7	28	20	85	70	80	80	50	60	60	70	70	80	5
102	142921	0	36	88	32	75	80	90	90	50	50	40	50	50	60	7
103	142916	8	56	10	0	42	100	0	100	100	50	40	60	60	50	7
104	142924	72	32	82	82	100	100	100	100	100	50	50	50	60	50	6
105	142922	30	48	36	75	80	100	80	100	80	50	50	60	70	60	7
106	142908	88	58	68	96	90	100	60	100	100	100	100	100	100	100	7
107	142909	70	40	86	78	78	100	70	100	100	50	60	60	70	50	5
108	142919	62	66	86	90	98	100	100	100	90	100	100	100	100	100	5
109	142902	18	10	44	80	34	100	80	100	80	80	90	90	80	90	
110	142931	30	16	20	56	70	60	60	100	100	60	50	50	70	60	7
111	142907	68	64	94	94	96	100	100	100	90	100	100	100	100	100	9
112	142925	38	48	44	46	76	80	60	100	80	50	60	50	60	50	7
113	142933	44	4	16	78	68	90	100	60	80	50	50	80	70	60	7
114	142914	32	0	64	72	72	100	100	100	80	50	50	90	90	90	9
115	142901	24	8	48	84	76	90	100	100	90	100	100	100	100	100	6
116	142911	20	80	94	72	96	90	100	100	90	100	100	100	100	100	7
117	142910	8	40	58	40	76	100	100	100	80	100	100	100	100	100	7
118	142918	40	16	76	72	92	90	100	100	80	90	90	80	80	80	9
119	142903	20	12	0	8	4	90	80	60	80	40	50	50	40	80	9
120	142923	8	0	8	52	68	90	80	70	80	60	70	50	40	80	5
121	142401	40	76	68	92	96	90	100	100	80	100	100	100	100	100	7

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	Q1 CO4	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	AU
	56.67	**47.5**	**71.43**	**75.63**	**92.56**	**94.21**	**91.74**	**95.04**	**91.74**	**81.82**	**85.95**	**87.6**	**90.91**	**90.91**	**69.42**
Level	**0**	**0**	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**1**

Survey:

Survey	C301.1	C301.2	C301.3	C301.4	C301.5
Obtained Percentage	93.45	86.64	90.44	90.14	86.98
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C301:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C301.1	0	3	-	-	-	1.2	1	1.08	**3**	1.46
C301.2	0	3	-	-	-	1.2	1	1.08	**3**	1.46
C301.3	2	3	-	-	-	2.4	1	1.56	**3**	1.85
C301.4	2	-	-	3	-	2.3	1	1.52	**3**	1.62
C301.5	3	-	-	-	-	3	1	1.8	**3**	2.04
C301										**1.69**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C301.1	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C301.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C301.3	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C301.4	AU Exam	[0.7*Internal Test + 0.1*Quiz + 0.12*Tutorial]
C301.5	AU Exam	[0.7*Internal Test + 0.3*Tutorial]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C301 = \frac{C301.1 + C301.2 + C301.3 + C301.4 + C301.5}{5} = 1.69$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6502: Microprocessors and Microcontrollers-C302

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	Test					Assignment					AU
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	
1	132044	84	64	92	80	84	90	90	90	80	90	7
2	132104	84	72	80	80	68	90	80	90	80	100	8
3	132064	52	52	A	A	50	0	80	80	70	90	5
4	132305	8	0	8	0	50	90	80	80	70	90	6
5	132313	8	0	12	0	50	0	80	80	70	50	
6	132061	36	64	76	68	92	90	80	80	90	80	6
7	132103	64	64	52	60	68	80	80	80	90	80	5
8	132306	74	74	80	52	66	80	80	80	100	80	7
9	132070	8	8	96	36	50	80	80	80	70	70	
10	132053	66	66	56	24	58	80	90	80	80	80	5
11	132062	80	20	60	60	52	80	90	80	80	70	7
12	132011	84	76	92	80	89	90	90	90	80	60	8
13	132027	72	28	80	84	88	90	90	80	80	80	7
14	132303	76	48	56	72	60	90	90	90	80	70	7
15	132014	68	32	64	36	16	80	80	80	80	50	5
16	132043	84	72	84	92	76	90	90	80	100	100	9
17	132310	84	8	44	44	20	80	80	80	80	60	6
18	132041	26	26	20	20	56	80	80	80	80	80	5
19	132007	76	60	72	28	68	90	90	90	80	60	7
20	132058	80	36	92	68	80	90	90	90	80	70	7
21	132003	96	48	100	84	88	90	90	90	100	100	9
22	132066	36	20	0	64	76	0	80	80	70	80	
23	132073	96	96	96	92	92	90	90	90	80	80	7
24	132067	36	12	48	56	56	80	80	80	70	80	
25	132045	92	24	40	36	68	80	80	80	90	80	5
26	132008	64	4	60	12	52	70	80	80	70	80	
27	132040	80	36	68	72	88	70	80	80	90	70	9
28	132018	42	42	64	36	52	70	80	80	90	80	6
29	132033	68	36	72	28	52	90	90	90	90	60	5
30	132016	92	64	52	80	18	90	90	80	90	90	7
31	132050	92	28	60	64	84	90	80	80	90	90	7
32	132012	72	20	72	48	76	90	90	90	90	90	7
33	132069	64	20	88	72	68	90	90	90	90	90	7
34	132054	88	36	80	96	60	80	90	90	80	90	6
35	132052	96	32	88	96	68	90	90	90	90	90	7
36	132063	56	96	64	56	52	80	90	90	80	90	5
37	132060	36	8	60	60	60	80	90	90	70	90	
38	132302	0	0	40	28	50	80	90	90	70	90	6
39	132051	58	30	64	44	80	90	90	90	90	90	8
40	132032	56	48	40	68	80	90	90	90	90	90	8
41	132065	52	16	52	48	56	80	90	90	80	70	5
42	132071	24	0	28	32	36	80	90	90	70	60	
43	132023	64	72	88	96	84	90	90	90	90	90	8
44	132026	48	52	92	92	76	90	90	90	90	90	8
45	132025	80	24	44	68	64	80	90	90	80	70	5

46	132046	60	64	96	96	80	90	90	90	100	80	9
47	132035	88	76	96	96	84	90	90	90	100	80	8
48	132013	32	16	24	36	72	80	90	90	90	80	5
49	132010	52	4	64	80	56	10	90	90	90	80	8
50	132020	88	80	88	96	76	90	90	90	90	90	7
51	132015	50	50	68	76	60	80	90	90	90	90	8
52	132004	56	44	68	72	76	90	90	90	90	80	9
53	132005	86	42	88	88	80	90	90	90	90	80	8
54	132028	80	64	96	88	84	90	90	90	90	80	8
55	132031	68	36	88	92	88	90	90	90	90	90	8
56	132057	88	88	100	96	84	90	90	90	100	90	8
57	132056	72	76	92	96	88	90	90	90	90	90	7
58	132036	84	96	96	100	88	90	100	100	100	100	9
59	132312	92	56	80	96	80	80	90	90	100	100	7
60	132021	80	84	96	100	60	90	90	90	100	100	8
61	132001	92	64	96	96	88	100	90	90	100	100	8
62	132311	48	56	76	68	40	80	90	90	80	90	5
63	132072	32	0	24	4	56	0	80	50	70	100	
64	132024	68	80	80	60	86	80	80	90	100	100	7
65	132068	54	54	44	88	60	70	80	50	80	80	5
66	132101	84	52	56	20	76	70	80	90	80	80	7
67	132029	44	44	62	62	68	0	0	80	80	80	7
68	132042	50	50	64	48	64	70	80	80	90	80	6
69	132049	28	0	0	0	68	0	80	80	90	80	
70	132037	80	60	20	72	88	0	80	90	90	100	7
71	132006	72	32	60	84	84	80	80	80	80	100	8
72	132047	80	36	76	72	92	80	80	80	80	80	7
73	132059	64	40	68	56	80	0	80	80	90	90	8
74	132055	28	28	40	44	80	80	80	80	80	50	5
75	132105	60	40	64	56	88	70	80	80	90	100	7
76	132301	68	16	72	64	68	0	0	80	90	100	5
77	132048	48	52	46	46	88	80	80	80	90	100	7
78	132304	72	52	84	80	76	90	90	90	90	100	8
79	132108	32	28	40	40	80	80	90	90	90	90	7
80	132017	88	80	88	88	88	90	90	90	100	100	9
81	132307	54	54	56	56	85	0	80	80	90	90	5
82	132002	84	24	96	28	86	90	90	90	90	50	8
83	132009	68	68	92	80	88	0	90	90	90	60	7
84	132102	72	44	92	88	84	80	90	90	90	80	8
85	132022	80	44	72	92	64	90	90	90	90	70	7
86	132019	88	80	96	84	96	80	90	90	90	100	8
87	132039	64	60	88	68	68	90	90	90	90	90	9
88	132034	76	28	72	68	84	70	80	90	90	80	6
89	132107	30	30	40	16	76	0	90	90	90	50	5
90	132309	58	58	88	72	78	80	90	80	90	90	7
91	132106	20	32	40	44	68	0	80	80	90	60	5
92	132030	68	64	84	72	68	80	90	80	90	100	6
93	132308	56	60	76	52	76	0	90	80	90	100	7
94	142912	16	0	72	44	56	70	60	80	70	100	
95	142915	48	8	56	12	56	70	80	80	90	90	
96	142917	14	14	44	0	50	70	70	80	80	60	

97	142913	56	56	56	44	64	70	80	80	80	80	7
98	142920	32	0	A	A	56	80	70	80	80	80	
99	142926	0	24	44	16	50	80	70	80	80	80	
100	142904	48	28	56	52	60	80	80	90	80	80	5
101	142927	32	16	52	24	50	80	80	90	80	80	
102	142921	34	34	64	40	60	80	80	90	80	80	5
103	142916	52	0	36	24	68	80	90	90	70	80	
104	142924	80	40	68	56	68	80	90	90	80	80	5
105	142922	32	28	28	32	40	80	90	90	70	60	5
106	142908	76	36	76	96	72	80	90	90	80	70	8
107	142909	40	12	40	44	68	80	80	90	80	80	5
108	142919	60	88	92	80	84	90	90	90	90	90	7
109	142902	40	16	56	72	64	80	80	90	80	70	5
110	142931	44	20	72	40	56	80	80	90	70	60	7
111	142907	64	44	76	76	76	90	90	90	90	80	7
112	142925	0	4	72	72	72	80	80	90	70	70	
113	142933	16	16	36	32	64	0	90	90	80	80	5
114	142914	64	36	76	56	64	70	90	80	80	80	5
115	142901	92	40	64	56	60	80	90	80	80	80	5
116	142911	72	64	88	88	80	80	80	80	80	80	8
117	142910	64	56	60	44	56	60	90	90	80	80	6
118	142918	59	59	56	56	76	80	90	90	80	90	7
119	142903	8	8	0	0	24	0	80	80	80	100	
120	142923	32	32	60	16	68	0	80	80	80	80	7
121	142401	64	76	56	24	68	80	90	90	80	80	7

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	AU
	55.37	27.27	64.71	52.94	74.38	73.55	95.04	98.35	100	87.6	54.55
Level	0	0	1	0	2	2	3	3	3	3	0

Survey:

Survey	C301.1	C301.2	C301.3	C301.4	
Obtained Percentage	89.58	84.4	84.47	80	80.25
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C302:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C302.1	0	2	-	-		0.6	0	0.24	**3**	0.79
C302.2	0	3	-	-		0.9	0	0.36	**3**	0.89
C302.3	1	3	-	-		1.6	0	0.64	**3**	1.11
C302.4	0	-	3	-		0.6	0	0.24	**3**	0.59
C302.5	2	-	-	3		2.2	0	0.88	**3**	1.3
C302										**0.94**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C302.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C302.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C302.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C302.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]
C302.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C302 = \frac{C302.1 + C302.2 + C302.3 + C302.4 + C302.5}{5} = 0.94$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: ME6701: Power Plant Engineering-C303

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	Test					Assignment					AU
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	
1	132044	74	80	96	92	94	90	100	100	90	80	80
2	132104	76	90	90	94	96	90	100	100	100	90	90
3	142912	46	62	90	70	72	80	90	90	80	80	70
4	132064	A	A	35	65	32	80	90	90	80	80	70
5	132305	22	60	54	50	50	80	80	80	90	70	50
6	142915	62	52	90	80	74	90	80	90	90	80	50
7	132313	45	65	66	48	64	80	80	80	80	70	50
8	132061	84	64	78	92	96	90	90	90	90	90	80
9	132103	48	70	92	88	84	90	100	100	100	90	70
10	132306	76	80	98	100	92	100	100	100	100	90	80
11	132070	60	40	52	70	44	80	90	90	90	80	60
12	142917	12	28	64	36	60	80	90	80	90	90	60
13	132053	86	52	100	98	72	90	90	100	90	90	80
14	142913	64	64	91	73	64	90	90	90	80	80	60
15	132062	85	65	75	69	94	80	90	90	90	90	80
16	132011	76	82	99	99	94	100	100	100	100	100	80
17	132027	65	55	68	88	72	100	90	90	90	80	80
18	132303	69	85	89	95	98	100	100	90	90	90	80
19	142920	A	A	40	20	52	80	90	80	80	80	50
20	132014	85	79	70	82	84	90	100	90	100	90	70
21	132043	89	93	100	96	92	100	100	100	100	100	90
22	132310	88	72	85	79	74	100	90	90	90	90	70
23	142926	50	34	70	52	36	80	90	80	80	90	50
24	132041	62	86	82	92	86	100	90	90	90	90	70
25	142904	39	41	59	61	80	80	100	90	80	80	60
26	132007	90	82	99	97	96	100	100	100	100	100	90
27	132058	78	90	85	95	96	90	90	80	90	90	80
28	132003	85	95	100	96	92	100	100	100	100	100	90
29	132066	46	26	60	40	64	80	90	90	90	80	50
30	142927	40	32	49	67	68	80	100	80	80	90	0
31	132073	92	84	98	94	98	80	100	90	100	90	80
32	132067	28	44	72	66	74	80	90	80	90	80	50
33	142921	15	41	70	42	70	80	70	80	70	70	50
34	142916	28	36	36	84	68	90	0	0	80	90	50
35	132045	70	58	69	71	60	80	80	90	80	80	70
36	132008	60	46	49	71	44	80	80	90	90	90	50
37	132040	86	76	96	92	90	80	100	100	100	100	80
38	142924	48	52	44	80	92	90	90	90	80	80	50
39	142922	88	64	76	64	68	90	90	90	80	80	70
40	132018	72	56	82	66	80	80	90	80	90	80	70
41	132033	49	51	78	92	98	80	90	100	90	70	50
42	132016	80	74	99	97	96	90	100	100	100	90	80
43	132050	86	74	95	93	80	90	90	90	90	90	80
44	132012	96	84	88	86	88	90	90	90	100	100	90
45	132069	88	92	80	88	92	90	90	90	100	90	70

46	132054	68	80	50	92	80	90	90	90	100	100	70
47	132052	84	96	A	A	80	90	90	90	100	90	70
48	132063	32	88	44	84	72	90	90	90	90	80	50
49	132060	16	64	52	56	56	90	90	90	80	80	60
50	132302	68	92	76	84	A	90	90	90	90	90	80
51	142908	88	80	60	96	76	90	90	90	90	80	70
52	142909	64	64	96	32	78	90	90	90	80	90	70
53	142919	76	84	84	98	92	90	90	90	90	80	60
54	132051	92	88	64	84	88	90	90	90	100	90	80
55	132032	68	92	64	92	76	90	90	90	100	90	70
56	142902	72	28	72	96	72	90	90	90	80	80	70
57	132065	48	72	76	84	72	90	90	90	90	90	60
58	132071	20	24	56	72	60	90	90	90	80	80	50
59	132023	88	96	92	94	96	90	90	90	100	100	80
60	132026	92	88	88	94	88	90	90	90	100	100	80
61	132025	64	76	72	72	76	90	90	90	80	90	60
62	142931	64	56	76	52	76	90	90	90	80	80	80
63	132046	88	96	88	96	100	90	90	90	90	90	80
64	132035	92	96	84	88	96	90	90	90	100	90	80
65	132013	64	64	92	88	100	90	90	90	90	90	80
66	132010	92	84	84	84	96	90	90	90	90	90	90
67	132020	84	88	96	92	92	90	100	100	90	90	80
68	132015	88	92	92	84	96	100	90	90	90	90	60
69	132004	96	84	90	96	86	90	90	90	90	90	90
70	132005	84	88	95	98	92	90	90	90	90	80	80
71	132028	70	92	86	96	100	90	90	90	90	80	90
72	142907	80	80	84	94	96	90	90	90	90	90	80
73	142925	40	60	40	80	56	90	90	90	80	80	50
74	142401	72	64	88	80	99	90	80	80	80	90	80
75	132031	92	88	88	98	100	90	100	100	100	80	80
76	132057	76	92	92	96	100	90	90	90	90	90	90
77	132056	88	72	72	84	96	90	90	90	90	80	70
78	132036	84	96	92	96	100	100	100	100	100	90	90
79	132312	88	88	92	100	100	100	100	100	100	90	90
80	142933	32	60	20	36	60	70	70	70	70	70	50
81	132021	96	96	92	96	100	100	100	100	90	100	80
82	132001	96	96	92	96	100	100	100	100	90	100	90
83	132311	80	76	84	96	92	90	90	90	100	90	70
84	132072	15	41	52	32	40	70	60	60	70	70	0
85	132024	68	76	69	96	99	90	90	90	70	90	70
86	132068	76	28	28	68	48	80	70	70	90	80	50
87	132101	88	88	72	92	80	70	70	70	80	70	60
88	142914	44	64	34	36	75	70	70	70	70	70	80
89	132029	88	72	80	88	85	70	80	70	70	70	80
90	132042	64	56	44	68	60	70	70	80	80	80	70
91	132049	8	24	44	20	50	80	80	90	70	70	70
92	132037	88	72	80	88	87	70	80	90	70	70	80
93	132006	68	80	88	88	89	90	90	90	90	90	90
94	132047	72	76	88	92	95	90	90	90	90	90	90
95	132059	76	88	84	96	93	90	90	90	90	90	80
96	132055	64	28	88	88	90	90	90	90	90	90	70

97	142901	62	80	72	96	99	90	90	90	90	90	90
98	132105	60	64	86	92	85	90	90	90	90	90	80
99	132301	64	36	84	92	99	90	90	90	90	90	80
100	132048	88	76	88	92	99	90	90	90	90	90	90
101	132304	A	A	88	92	99	90	90	90	90	90	90
102	132108	56	60	72	80	84	80	90	90	80	80	80
103	132017	88	92	96	88	99	90	90	90	90	90	100
104	142911	48	64	80	92	99	90	90	80	90	90	70
105	142910	44	66	64	76	86	90	80	80	90	90	70
106	132307	40	64	80	72	80	70	70	70	70	70	50
107	142918	68	68	56	76	78	70	70	70	70	70	60
108	132002	84	80	80	80	99	90	90	90	90	90	70
109	132009	68	64	72	92	99	90	90	90	90	90	90
110	132102	76	68	88	96	99	90	80	90	90	90	100
111	132022	84	80	92	80	95	80	90	80	80	80	80
112	132019	88	84	96	92	99	90	90	90	90	90	90
113	142903	36	8	28	36	40	70	70	70	70	70	50
114	132039	76	76	80	92	99	90	80	90	90	90	90
115	132034	64	76	88	88	90	80	90	80	80	80	80
116	132107	64	60	64	72	90	80	80	80	80	80	80
117	142923	44	64	0	24	88	70	70	70	70	70	70
118	132309	80	84	96	80	99	80	90	90	80	80	80
119	132106	28	36	72	80	90	70	80	90	70	70	80
120	132030	76	76	92	72	90	90	90	90	90	90	70
121	132308	76	76	72	84	95	90	80	80	90	90	80

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	AU
	74.58	**76.27**	**80.83**	**86.67**	**90**	**90.08**	**90.08**	**90.91**	**100**	**100**	**73.55**
Level	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**2**

Survey:

Survey	**C301.1**	**C301.2**	**C301.3**	**C301.4**	C301.5
Obtained Percentage	94.03	91.25	92.51	90.75	84.49
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C303:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C303.1	2	3	-	-		2.3	2	2.12	**3**	2.3
C303.2	2	3	-	-		2.3	2	2.12	**3**	2.3
C303.3	3	3	-	-		3	2	2.4	**3**	2.52
C303.4	3	-	3	-		3	2	2.4	**3**	2.52
C303.5	3	-	-	3		3	2	2.4	**3**	2.52
C303										**2.43**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C302.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C302.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C302.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C302.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]
C302.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C303 = \frac{C303.1 + C303.2 + C303.3 + C303.4 + C303.5}{5} = 2.43$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:EE6503: Power Electronics-C304
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	Test					Assignment			Seminar		Quiz		AU
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO2	A2 CO3	A3 CO4	S1 CO3	S2 CO5	Q1 CO2	Q2 CO4	
1	132044	72	60	80	82	84	80	80	80	100	90	90	A	8
2	132104	68	56	82	94	88	80	80	80	100	100	90	90	8
3	132064	40	36	58	44	38	80	80	60	70	70	80	80	5
4	132305	12	0	16	10	12	80	80	60	70	80	80	A	5
5	132313	16	12	20	14	48	80	60	70	80	80	80	80	
6	132061	76	52	74	80	82	90	90	80	100	100	90	90	8
7	132103	68	52	60	64	70	70	80	80	100	100	90	90	7
8	132306	68	52	92	70	80	100	100	80	100	100	90	100	7
9	132070	44	32	60	60	42	80	80	60	70	80	90	100	
10	132053	84	64	72	64	52	80	80	80	80	90	80	80	7
11	132062	48	60	68	74	58	60	80	80	90	90	80	90	7
12	132011	92	60	92	82	98	80	80	80	100	100	90	90	9
13	132027	56	48	92	58	96	80	60	90	100	100	90	90	7
14	132303	84	44	80	64	94	90	60	90	100	100	90	90	9
15	132014	48	32	58	4	70	80	80	70	90	80	90	80	5
16	132043	60	80	96	96	98	80	60	90	100	100	90	100	9
17	132310	16	52	50	44	60	60	80	70	70	80	80	80	5
18	132041	56	44	48	52	46	60	80	80	90	100	80	80	6
19	132007	64	56	68	50	96	80	70	90	90	100	80	90	8
20	132058	20	80	92	82	92	80	70	90	100	100	A	90	8
21	132003	76	68	96	94	98	80	60	90	100	100	100	90	8
22	132066	16	8	52	16	46	60	90	70	80	70	80	80	
23	132073	84	88	96	88	94	80	60	100	100	100	100	90	8
24	132067	28	24	66	60	60	60	80	70	80	80	80	80	
25	132045	48	28	56	64	70	80	80	70	80	90	A	80	7
26	132008	60	0	58	58	58	60	90	80	70	80	80	80	
27	132040	68	92	96	96	90	60	80	80	100	90	A	100	9
28	132018	64	48	76	64	56	60	80	70	70	80	80	80	6
29	132033	76	44	80	60	72	60	80	80	90	80	80	90	7
30	132016	68	80	96	88	90	90	80	100	100	90	100	90	7
31	132050	60	44	80	82	90	80	70	80	100	90	100	90	6
32	132012	68	60	100	80	92	100	100	100	100	100	100	100	8
33	132069	44	68	72	64	92	100	100	100	100	100	100	100	6
34	132054	16	60	96	84	76	100	100	100	100	100	100	100	8
35	132052	24	84	0	0	88	100	100	100	100	100	100	100	7
36	132063	50	0	32	60	36	100	100	100	100	100	100	100	5
37	132060	80	0	40	68	76	100	100	100	100	100	100	100	5
38	132302	50	0	40	72	56	100	100	100	100	100	100	100	6
39	132051	60	88	36	68	92	100	100	100	100	100	100	100	8
40	132032	48	68	32	92	96	100	100	100	100	100	100	100	8
41	132065	28	52	32	72	56	100	100	100	100	100	100	100	5
42	132071	0	0	A	A	52	0	0	0	0	0	100	100	5
43	132023	80	76	100	85	84	100	100	100	100	100	100	100	9
44	132026	60	72	68	80	96	100	100	100	100	100	100	100	7
45	132025	44	68	64	76	84	100	100	100	100	100	100	100	6

46	132046	64	76	100	96	88	100	100	80	100	100	100	100	8
47	132035	68	72	84	68	96	100	100	100	100	100	100	100	8
48	132013	0	40	56	84	76	100	100	100	100	100	100	100	7
49	132010	88	0	36	80	84	0	0	100	100	100	100	100	6
50	132020	28	76	100	80	92	100	100	100	100	100	100	100	9
51	132015	50	50	100	80	84	100	100	100	100	100	100	100	8
52	132004	60	72	68	36	92	100	100	100	100	100	100	100	8
53	132005	88	52	60	40	100	100	100	100	100	100	100	100	7
54	132028	60	60	80	92	80	100	100	100	100	100	100	100	8
55	132031	72	56	92	76	80	100	100	100	100	100	100	100	8
56	132057	64	88	100	92	80	100	100	100	100	100	100	100	10
57	132056	64	80	100	100	80	0	0	100	100	100	100	100	8
58	132036	84	76	96	92	100	100	100	100	100	100	100	100	8
59	132312	68	64	88	80	72	100	100	100	100	100	100	100	7
60	132021	84	100	100	88	100	0	0	100	100	100	100	100	9
61	132001	76	84	100	92	92	100	100	100	100	100	100	100	9
62	132311	52	32	96	76	76	100	100	100	100	100	100	100	5
63	132072	56	16	20	8	52	70	80	80	70	80	80	80	5
64	132024	60	80	84	88	72	70	70	80	80	70	80	90	8
65	132068	60	40	88	92	56	80	70	80	80	70	80	90	8
66	132101	80	84	80	84	80	80	70	70	80	70	80	80	8
67	132029	64	68	80	92	88	70	80	80	70	80	80	90	7
68	132042	60	40	20	60	64	80	80	80	70	80	80	90	7
69	132049	40	36	32	60	56	70	70	70	80	70	70	80	7
70	132037	40	16	92	96	88	80	70	80	80	70	80	90	6
71	132006	68	40	96	96	88	80	80	80	80	70	70	100	9
72	132047	56	80	80	84	88	80	70	70	80	70	80	100	10
73	132059	80	56	76	80	80	70	80	80	80	70	70	100	8
74	132055	16	20	76	80	60	80	70	70	80	70	80	90	6
75	132105	60	40	88	92	56	70	80	80	80	70	70	90	6
76	132301	68	80	80	96	40	80	70	70	80	70	80	100	5
77	132048	88	72	96	100	88	80	80	80	70	80	70	100	9
78	132304	68	80	96	88	96	90	70	80	70	80	80	100	7
79	132108	72	40	60	80	88	80	80	70	70	80	70	80	7
80	132017	92	92	96	100	88	80	70	80	70	80	80	100	9
81	132307	56	56	68	80	84	70	80	80	70	80	80	90	5
82	132002	76	88	100	92	72	90	80	80	80	70	80	100	7
83	132009	72	92	80	92	88	80	70	70	80	70	80	100	7
84	132102	64	60	100	96	88	80	80	80	80	70	80	100	8
85	132022	64	68	80	92	88	80	70	80	80	70	80	100	8
86	132019	60	64	96	100	92	80	80	70	80	80	80	90	9
87	132039	64	80	80	84	96	80	80	80	80	80	80	90	7
88	132034	64	64	88	96	88	70	80	80	80	70	70	80	6
89	132107	60	40	68	40	72	70	70	70	80	80	80	80	7
90	132309	60	60	88	96	96	70	80	80	70	80	70	90	5
91	132106	68	40	88	72	80	80	70	80	80	70	80	90	6
92	132030	72	64	80	96	88	80	80	70	80	80	70	90	8
93	132308	76	40	96	88	72	70	70	80	80	70	80	100	7
94	142912	72	48	14	58	58	80	80	70	80	80	80	80	5
95	142915	56	44	40	52	54	60	100	90	90	90	80	90	5
96	142917	32	36	20	28	50	60	90	90	90	90	80	90	

97	142913	60	64	74	42	58	80	90	100	100	80	90	80	7
98	142920	36	56	40	50	52	80	80	80	70	90	80	90	5
99	142926	24	20	32	18	34	60	80	80	70	80	A	80	
100	142904	8	52	52	96	56	60	80	80	90	80	80	80	
101	142927	40	28	24	42	56	60	80	80	80	80	80	80	
102	142921	56	24	24	48	68	80	80	80	70	80	80	80	7
103	142916	22	0	32	0	56	100	100	100	100	100	100	100	
104	142924	64	0	48	72	76	100	100	90	100	100	100	100	5
105	142922	50	0	56	40	68	0	0	100	100	100	100	100	5
106	142908	66	72	88	84	68	100	100	100	100	100	100	100	7
107	142909	56	56	44	84	64	100	100	100	100	100	100	100	7
108	142919	44	80	96	92	88	100	100	100	100	100	100	100	9
109	142902	32	32	44	64	68	100	100	100	100	100	100	100	5
110	142931	64	24	60	40	76	100	100	100	100	100	100	100	7
111	142907	72	68	76	72	92	100	100	100	0	100	100	100	7
112	142925	18	0	12	12	52	0	100	100	100	100	100	100	
113	142933	32	40	40	12	72	70	70	80	80	70	70	80	5
114	142914	68	52	56	80	68	80	80	70	80	70	80	90	6
115	142901	64	60	80	84	64	80	80	80	80	80	80	90	7
116	142911	68	56	76	80	92	80	80	80	70	80	80	90	8
117	142910	60	56	68	80	64	70	70	80	70	80	80	80	5
118	142918	32	36	16	16	88	80	80	70	80	70	80	80	7
119	142903	28	32	48	72	56	80	70	80	80	80	80	80	
120	142923	32	32	40	80	88	70	80	80	80	80	80	90	7
121	142401	60	80	80	56	64	80	80	80	80	80	80	80	5

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO2	A2 CO3	A3 CO4	S1 CO3	S2 CO5	Q1 CO2	Q2 CO4	AU
	59.5	**43.8**	**66.67**	**75**	**75.21**	**71.07**	**73.55**	**80.17**	**98.35**	**99.17**	**100**	**100**	**61.16**
Level	**0**	**0**	**1**	**2**	**2**	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**1**

Survey:

Survey	C304.1	C304.2	C304.3	C304.4	
Obtained Percentage	91.78	87.63	87.07	87.88	87.63
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C304:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C304.1	0	-	-	-		0	1	0.6	**3**	1.08
C304.2	0	2	-	3		0.7	1	0.88	**3**	1.3
C304.3	1	2	3	-		1.4	1	1.16	**3**	1.53
C304.4	2	3	-	3		2.3	1	1.52	**3**	1.82
C304.5	2	-	3	-		2.2	1	1.48	**3**	1.78
C304										**1.5**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C304.1	AU Exam	[1*Internal Test]
C304.2	AU Exam	[0.7*Internal Test + 0.2*Assignment+0,1*Quiz]
C304.3	AU Exam	[0.7*Internal Test + 0.2*Assignment+0.1*Seminar]
C304.4	AU Exam	[0.7*Internal Test + 0.2*Assignment+0.1*Quiz]
C304.5	AU Exam	[0.8*Internal Test + 0.2*Seminar]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C304 = \frac{C304.1 + C304.2 + C304.3 + C304.4 + C304.5}{5} = 1.5$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:EE6504: Electrical Machines II-C305

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. NO.	ROLL NO	Test					Assignment			Tutorial					
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO2	A2 CO3	A3 CO3	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	AU
1	132044	80	72	100	56	92	80	90	100	100	90	100	90	100	8
2	132104	48	80	72	88	92	80	90	100	100	90	100	80	100	8
3	132064	36	28	40	8	8	80	80	90	70	80	90	80	70	5
4	132305	4	8	8	12	20	60	60	70	80	70	80	60	70	
5	132313	76	0	12	8	32	80	80	90	80	80	90	70	80	5
6	132061	44	64	84	80	80	100	90	100	70	80	100	90	90	7
7	132103	64	64	40	64	44	60	90	70	90	90	80	80	70	5
8	132306	88	68	44	76	A	90	90	90	90	90	90	80	70	8
9	132070	20	48	20	60	12	80	60	70	80	70	90	80	70	
10	132053	72	40	68	76	80	60	70	90	80	90	90	80	90	7
11	132062	64	80	36	88	80	90	90	100	90	80	100	80	90	8
12	132011	84	84	96	84	92	90	90	100	100	90	100	100	100	9
13	132027	44	72	68	70	80	100	70	100	90	80	100	80	90	5
14	132303	60	72	44	50	80	90	80	100	60	80	100	70	90	7
15	132014	64	72	36	76	80	80	80	90	80	90	100	80	100	5
16	132043	96	84	100	80	88	100	100	100	90	100	90	100	90	9
17	132310	84	68	4	16	40	40	90	90	80	80	80	70	60	5
18	132041	92	84	48	52	56	80	90	60	80	90	70	80	90	6
19	132007	92	56	28	84	64	100	90	90	80	80	90	80	80	7
20	132058	72	84	52	52	96	90	90	90	70	80	90	70	100	7
21	132003	96	92	96	84	100	100	100	100	100	100	100	100	100	10
22	132066	8	60	40	32	36	50	60	90	70	60	90	90	80	
23	132073	92	84	84	88	100	90	90	100	100	100	100	100	100	8
24	132067	32	32	44	58	24	60	60	90	80	70	80	80	80	5
25	132045	48	28	16	32	76	70	80	90	80	80	90	90	80	7
26	132008	24	20	24	16	32	80	60	90	80	70	90	80	90	5
27	132040	76	80	76	76	96	50	90	90	80	80	90	80	100	9
28	132018	12	16	44	32	88	80	60	90	80	70	90	70	90	7
29	132033	68	64	32	76	64	60	80	60	90	80	70	60	70	5
30	132016	96	80	68	78	92	100	90	100	90	90	100	80	100	9
31	132050	96	76	32	56	64	80	90	100	90	90	100	70	90	7
32	132012	46	40	26	48	80	80	90	90	90	90	100	90	90	9
33	132069	58	54	22	28	64	60	90	90	80	80	70	70	80	5
34	132054	34	30	34	40	80	90	90	100	80	80	90	80	80	7
35	132052	42	32	A	A	80	80	90	100	90	90	100	90	90	5
36	132063	26	38	14	40	40	80	80	80	70	60	70	70	60	5
37	132060	32	14	16	32	32	90	70	90	70	70	80	70	60	5
38	132302	16	6	24	36	0	90	70	60	70	70	60	70	60	5
39	132051	44	42	44	44	80	90	90	100	90	90	100	90	90	8
40	132032	38	38	42	44	56	90	90	100	90	90	100	100	90	5
41	132065	28	10	8	34	52	80	70	90	70	70	80	70	60	5
42	132071	2	2	16	38	0	60	90	90	70	60	80	70	60	
43	132023	42	38	44	28	88	90	100	100	90	90	90	80	90	7
44	132026	42	38	32	42	72	90	100	90	90	90	100	90	80	10
45	132025	42	18	32	20	48	90	90	80	90	80	80	80	70	5

46	132046	40	46	48	46	92	90	90	100	90	90	100	90	90	7
47	132035	34	28	44	44	96	80	90	100	90	90	100	90	90	9
48	132013	12	6	26	18	36	70	60	70	80	70	70	80	70	7
49	132010	32	34	36	34	84	80	90	90	90	90	90	90	100	7
50	132020	38	42	40	44	84	90	90	100	100	100	100	90	100	8
51	132015	42	42	24	28	40	90	90	80	90	90	90	80	80	5
52	132004	30	16	30	32	52	90	90	80	90	90	90	80	80	7
53	132005	36	40	16	22	68	90	90	80	90	90	80	80	90	7
54	132028	42	38	44	42	96	90	90	90	90	90	100	90	90	7
55	132031	36	36	42	34	92	80	90	90	90	90	100	100	90	8
56	132057	44	40	44	44	96	80	90	100	100	100	90	100	90	9
57	132056	38	42	38	40	96	90	100	100	90	100	100	100	90	8
58	132036	46	50	48	48	100	90	90	100	100	100	90	100	90	9
59	132312	46	44	28	42	84	80	90	100	90	90	90	90	90	8
60	132021	50	50	40	40	96	90	90	100	90	100	90	100	100	8
61	132001	44	46	44	46	100	90	90	100	100	100	100	100	90	9
62	132311	30	20	24	28	64	50	70	90	80	90	90	90	80	6
63	132072	16	4	20	28	32	60	70	60	70	70	60	70	70	
64	132024	92	84	84	80	96	90	100	90	90	90	100	90	90	8
65	132068	60	64	88	80	36	80	80	80	90	80	80	90	80	7
66	132101	92	88	88	88	84	90	90	90	90	100	90	90	90	7
67	132029	52	76	64	88	88	90	100	90	90	80	90	80	90	7
68	132042	36	44	72	72	68	70	80	80	70	80	80	90	80	8
69	132049	4	0	4	24	A	80	60	70	60	70	60	70	70	
70	132037	68	76	92	80	84	90	100	90	90	90	100	90	90	7
71	132006	64	76	92	80	96	90	100	100	90	90	100	90	90	9
72	132047	84	64	88	92	96	70	90	90	80	90	100	90	90	7
73	132059	88	76	92	28	92	80	90	90	90	80	80	90	80	8
74	132055	80	68	80	72	64	70	100	90	80	70	90	80	70	6
75	132105	64	60	48	64	88	70	80	90	70	60	80	80	80	7
76	132301	100	76	96	80	68	80	90	90	90	90	90	90	90	7
77	132048	100	88	64	88	96	80	90	100	90	90	90	90	90	8
78	132304	80	84	64	76	96	100	100	90	90	100	90	90	90	9
79	132108	80	64	60	56	80	70	90	80	90	80	80	80	90	7
80	132017	88	92	96	96	100	90	100	90	90	90	90	100	90	10
81	132307	52	48	32	80	56	80	70	80	60	70	60	70	70	
82	132002	84	96	92	96	92	100	100	90	90	80	90	80	90	8
83	132009	72	88	60	84	88	90	90	90	90	90	90	90	90	8
84	132102	84	48	88	80	96	90	90	90	90	100	90	100	90	8
85	132022	56	76	92	92	88	90	90	90	90	80	90	90	90	8
86	132019	88	76	100	92	96	80	100	90	90	100	90	100	90	8
87	132039	60	76	80	88	96	90	100	100	90	90	90	90	90	8
88	132034	64	84	72	72	76	80	100	100	100	90	80	90	80	6
89	132107	48	64	60	64	64	70	90	80	70	70	60	70	80	5
90	132309	40	56	60	88	84	70	90	80	80	90	80	90	90	7
91	132106	52	32	28	84	80	70	80	80	70	90	90	80	70	7
92	132030	84	92	92	88	88	80	100	90	90	100	90	100	100	7
93	132308	92	60	48	52	80	90	80	90	90	80	80	70	80	9
94	142912	36	12	20	36	56	70	60	80	60	70	80	70	90	5
95	142915	80	44	24	52	88	80	90	80	80	70	80	90	90	
96	142917	24	28	0	36	32	60	80	60	60	80	70	60	80	

97	142913	40	8	24	88	52	80	60	90	70	70	80	90	90	5
98	142920	4	40	4	52	12	80	80	80	70	80	70	80	70	
99	142926	8	12	4	4	A	60	60	60	60	70	60	70	60	
100	142904	68	76	88	36	40	70	80	90	80	80	90	80	70	6
101	142927	16	28	16	36	60	80	60	80	80	70	80	70	90	
102	142921	56	56	40	80	56	70	80	80	70	70	60	80	70	5
103	142916	8	4	2	10	44	60	60	70	70	60	70	60	70	
104	142924	16	38	20	38	64	90	80	90	90	90	80	80	70	6
105	142922	22	28	12	24	52	60	70	80	70	70	80	70	80	5
106	142908	48	16	40	44	88	90	90	100	90	90	90	90	90	7
107	142909	38	24	22	44	36	60	70	70	90	80	70	80	90	5
108	142919	44	44	44	30	88	90	90	100	100	100	90	90	90	8
109	142902	32	34	26	42	52	60	90	90	90	80	90	80	80	5
110	142931	22	8	28	18	56	60	70	80	70	70	60	70	70	5
111	142907	22	12	24	36	84	90	90	100	90	80	60	90	90	7
112	142925	0	2	6	10	24	60	70	70	60	60	70	60	70	
113	142933	8	8	36	36	52	60	70	80	70	60	70	70	70	
114	142914	64	52	88	80	80	90	80	90	60	70	70	80	80	5
115	142901	60	40	40	68	92	70	70	80	80	70	80	80	80	6
116	142911	52	68	76	72	100	90	80	90	90	80	90	90	90	
117	142910	56	56	72	72	56	70	80	80	80	80	70	80	80	
118	142918	60	64	88	72	72	80	80	80	60	70	80	90	90	8
119	142903	0	4	4	16	8	60	60	60	60	70	70	60	60	
120	142923	8	20	40	60	20	60	60	60	60	70	70	70	80	
121	142401	72	76	64	60	80	80	90	90	90	90	90	90	90	8

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO2	A2 CO3	A3 CO3	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	AU
	39.67	**40.5**	**35**	**43.33**	**66.95**	**68.6**	**76.03**	**86.78**	**90.91**	**94.21**	**92.56**	**95.04**	**93.39**	**56.2**
Level	**0**	**0**	**0**	**0**	**1**	**1**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**0**

Survey:

Survey	**C305.1**	**C305.2**	**C305.3**	**C305.4**	C305.5
Obtained Percentage	95.74	93.52	94.52	94.37	91.05
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C305:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C305.1	0	1			3	0.8	0	0.32	**3**	0.86
C305.2	0	2			3	1	0	0.4	**3**	0.92
C305.3	0	3			3	1.2	0	0.48	**3**	0.98
C305.4	0	-			3	0.9	0	0.36	**3**	0.89
C305.5	1	-			3	1.6	0	0.64	**3**	1.11
C305										**0.95**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C305.1	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C305.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C305.3	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C305.4	AU Exam	[0.7*Internal Test + 0.3*Tutorial]
C305.5	AU Exam	[0.7*Internal Test + 0.3*Tutorial]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C305 = \frac{C305.1 + C305.2 + C305.3 + C305.4 + C305.5}{5} = 0.95$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:IC6501: Control Systems-C306
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignment			Seminar		Quiz		Tutorial					
		T1 CO 1	T2 CO 2	T3 CO 3	T4 CO 4	T5 CO 5	A1 CO 1	A2 CO 2	A3 CO 3	S1 CO 4	S2 CO 5	Q1 CO 4	Q2 CO 5	T1 CO 1	T2 CO 2	T3 CO 3	T4 CO 4	T5 CO 5	AU
1	132044	72	64	88	88	100	90	90	90	90	100	90	90	100	100	100	100	100	7
2	132104	76	84	96	88	92	90	90	90	90	100	90	90	100	100	100	100	100	7
3	132064	8	4	32	16	28	80	70	70	70	70	60	70	80	80	80	80	80	0
4	132305	12	4	48	16	8	80	70	70	70	80	80	70	80	80	80	80	80	5
5	132313	52	28	72	24	52	80	70	70	70	90	70	60	80	80	80	80	80	0
6	132061	24	48	68	92	96	90	90	90	80	80	70	80	100	100	90	90	100	7
7	132103	A	A	72	68	84	90	80	80	80	90	70	80	80	80	80	80	80	5
8	132306	52	68	92	88	A	80	80	80	90	90	80	90	80	80	80	90	80	7
9	132070	20	28	32	28	36	80	70	70	60	70	70	60	80	80	80	90	80	0
10	132053	A	A	68	32	80	90	90	80	90	90	90	80	80	80	80	90	80	7
11	132062	52	48	76	68	76	80	80	80	80	80	70	80	80	80	80	80	80	7
12	132011	96	72	92	88	100	90	90	90	100	100	90	90	100	100	100	100	100	8
13	132027	44	76	72	48	100	90	80	90	90	90	80	80	100	100	100	100	100	7
14	132303	44	36	92	80	100	90	80	90	90	90	70	80	100	90	100	100	100	7
15	132014	64	36	68	36	50	80	80	80	80	90	70	70	80	80	70	80	80	5
16	132043	72	92	96	96	92	90	80	90	100	100	80	90	100	100	100	100	100	8
17	132310	32	0	28	40	56	80	80	80	80	80	70	80	90	80	80	80	80	5
18	132041	32	20	36	32	56	80	80	80	80	80	80	70	80	80	80	80	80	5
19	132007	36	80	76	72	92	70	90	90	80	90	70	80	100	90	100	100	100	7
20	132058	52	64	92	96	100	90	90	90	80	90	80	70	100	100	100	100	100	7
21	132003	92	56	100	96	84	90	90	90	100	100	90	90	100	100	100	100	100	9
22	132066	4	8	36	32	16	90	80	80	70	80	70	60	80	80	70	70	80	0
23	132073	84	92	100	96	96	100	100	90	100	100	90	90	100	100	100	100	100	7
24	132067	24	36	28	40	36	80	80	80	80	80	70	80	80	80	70	80	70	0
25	132045	28	44	64	80	56	90	80	70	70	70	80	70	70	70	80	80	80	5
26	132008	36	16	56	68	50	80	70	80	90	100	80	80	90	80	80	80	70	0
27	132040	60	64	92	96	96	80	80	80	80	90	80	70	90	90	90	90	80	8
28	132018	52	16	72	80	64	80	80	80	70	70	70	80	70	70	80	70	70	8
29	132033	56	52	68	88	52	90	90	80	100	100	90	90	90	90	100	90	90	6
30	132016	72	96	92	88	96	90	100	90	90	100	80	90	100	100	100	100	100	9
31	132050	76	16	96	96	76	100	90	90	70	80	80	60	100	90	90	100	90	7
32	132012	68	80	100	100	100	100	100	100	90	90	80	90	100	90	90	90	100	7
33	132069	50	50	100	92	100	100	100	100	90	80	80	80	100	90	80	70	90	6
34	132054	76	72	68	80	92	100	100	100	90	90	80	80	100	90	80	70	90	7
35	132052	100	96	100	100	100	100	100	100	90	90	80	80	100	90	90	90	90	7
36	132063	40	64	100	100	92	80	90	100	80	80	80	90	70	70	60	70	60	0
37	132060	36	40	96	100	92	80	90	100	90	90	80	80	70	60	60	70	60	5
38	132302	26	22	100	100	72	80	90	100	80	80	80	80	70	70	70	70	60	6
39	132051	80	96	100	84	100	100	100	100	90	90	80	80	100	90	80	90	100	8
40	132032	40	48	92	92	100	100	100	100	90	90	80	80	100	90	90	100	90	6
41	132065	44	56	80	80	84	90	90	100	90	90	80	80	80	80	70	60	70	5
42	132071	A	A	20	20	96	80	90	100	80	90	80	80	70	60	50	50	50	0
43	132023	58	98	100	90	100	100	100	100	90	80	80	80	100	90	90	80	90	7
44	132026	50	50	100	100	92	100	100	100	90	90	80	90	100	100	100	90	80	7
45	132025	56	60	100	100	96	80	90	90	80	90	80	90	90	90	90	80	90	7

46	132046	100	100	A	A	100	100	100	100	90	80	80	90	100	100	100	100	100	7
47	132035	96	100	96	96	100	100	100	100	90	90	80	90	100	90	80	90	80	8
48	132013	78	70	68	60	100	70	80	90	80	80	70	80	90	90	60	60	70	7
49	132010	80	68	66	82	72	100	100	100	90	90	80	80	90	60	60	70	60	7
50	132020	96	88	100	100	100	100	100	100	90	90	90	90	100	90	90	90	100	8
51	132015	76	76	92	100	100	100	100	100	90	90	90	90	90	90	90	90	80	6
52	132004	56	92	64	84	80	100	100	100	90	90	90	90	90	90	80	90	80	8
53	132005	100	88	100	100	100	100	100	100	90	90	90	90	90	90	90	90	80	7
54	132028	70	78	100	100	100	100	90	100	90	90	90	90	100	90	100	90	100	7
55	132031	78	70	96	100	100	100	100	100	90	90	90	90	100	100	100	90	100	8
56	132057	96	100	100	100	100	100	100	100	90	90	90	90	100	100	100	90	100	8
57	132056	98	98	100	100	100	100	100	100	90	90	90	90	100	90	90	90	90	8
58	132036	100	96	100	100	100	100	100	100	90	90	90	90	100	100	100	100	100	9
59	132312	84	84	92	100	80	100	100	100	90	90	90	90	90	90	90	80	90	7
60	132021	100	80	100	100	100	100	100	100	90	90	90	90	100	100	100	100	100	10
61	132001	96	100	100	100	100	100	100	100	90	90	90	90	100	100	100	100	100	8
62	132311	36	28	56	80	100	90	80	90	80	80	80	80	90	80	70	70	80	5
63	132072	0	0	8	48	8	0	0	0	0	0	100	100	0	0	0	0	0	0
64	132024	68	72	100	84	88	100	100	100	100	100	100	100	100	100	100	100	100	8
65	132068	A	A	100	84	92	80	100	100	100	100	100	100	100	100	100	100	100	8
66	132101	72	56	96	76	80	70	100	80	100	100	100	100	100	100	100	100	100	8
67	132029	52	56	96	72	80	80	100	70	100	100	100	100	100	100	100	100	100	6
68	132042	52	52	68	36	96	90	100	100	100	100	100	100	100	100	100	100	100	5
69	132049	16	12	12	40	A	0	0	0	0	0	100	100	100	100	100	100	100	0
70	132037	68	8	92	96	96	100	100	100	70	100	100	100	100	100	100	100	100	7
71	132006	76	60	100	100	92	100	100	100	100	90	100	100	100	100	100	100	100	8
72	132047	60	36	96	92	80	100	100	100	100	100	100	100	100	100	100	100	100	8
73	132059	92	60	92	64	100	100	80	90	100	80	100	100	100	100	100	100	100	8
74	132055			85	100	88	80	80	90	100	100	100	100	100	100	100	100	100	6
75	132105	68	64	72	92	92	100	100	100	100	100	100	100	100	100	100	100	100	8
76	132301	80	88	100	76	68	100	100	100	100	100	100	100	100	100	100	100	100	7
77	132048	64	56	0	0	92	80	100	100	100	100	100	100	100	100	100	100	100	8
78	132304	76	96	100	84	100	100	100	100	100	100	100	100	100	100	100	100	100	8
79	132108	56	28	76	68	96	90	100	100	100	100	100	100	100	100	100	100	100	7
80	132017	76	84	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	9
81	132307	44	28	92	72	72	0	80	100	80	70	100	100	100	100	100	100	100	7
82	132002	68	76	100	92	96	100	100	100	100	100	100	100	100	100	100	100	100	8
83	132009	72	60	100	80	92	100	100	100	100	100	100	100	100	100	100	100	100	8
84	132102	56	64	96	56	84	100	100	100	100	100	100	100	100	100	100	100	100	8
85	132022	88	40	96	84	100	100	100	100	100	100	100	100	100	100	100	100	100	9
86	132019	92	68	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	9
87	132039	72	48	100	96	92	100	100	100	100	100	100	100	100	100	100	100	100	9
88	132034	84	72	92	76	64	100	100	100	100	100	100	100	100	100	100	100	100	7
89	132107	18	18	60	56	52	0	80	100	70	100	100	100	100	100	100	100	100	0
90	132309	44	20	68	52	56	80	100	100	100	80	100	100	100	100	100	100	100	5
91	132106	52	36	88	72	92	100	100	100	100	100	100	100	100	100	100	100	100	7
92	132030	92	56	100	92	96	100	100	80	100	100	100	100	100	100	100	100	100	7
93	132308	92	56	96	66	96	100	100	100	100	100	100	100	100	100	100	100	100	7
94	142912	0	0	20	40	28	80	70	80	70	80	80	60	80	70	70	80	80	0
95	142915	72	48	32	68	40	90	80	70	80	70	80	70	80	80	80	80	80	5
96	142917	16	0	36	28	28	90	80	70	70	80	80	70	70	70	80	70	70	0

97	142913	28	28	52	72	56	90	70	80	80	80	80	70	80	80	80	80	80	7
98	142920	8	0	48	36	8	80	80	90	80	80	80	70	80	80	70	70	80	0
99	142926	0	0	24	36	A	80	70	70	70	70	60	80	70	70	70	70	70	0
100	142904	20	0	80	72	76	90	90	90	90	90	80	80	80	90	90	80	80	0
101	142927	28	16	40	68	58	90	80	80	70	80	90	80	80	70	70	80	80	0
102	142921	40	16	40	48	44	80	80	70	70	70	60	80	70	70	70	70	70	0
103	142916	24	24	4	20	52	90	80	90	80	80	80	80	60	60	60	50	70	0
104	142924	88	60	60	80	80	100	70	80	80	80	70	70	70	70	60	50	70	5
105	142922	60	28	40	60	24	60	70	80	70	70	70	70	60	60	60	50	70	5
106	142908	80	84	90	94	92	100	80	90	80	80	80	80	90	80	80	90	80	8
107	142909	28	60	68	80	92	80	80	90	80	80	80	80	90	80	90	90	80	6
108	142919	98	98	80	88	100	100	90	90	90	80	90	90	100	90	100	90	90	7
109	142902	40	60	40	60	60	80	80	90	90	90	80	80	90	60	70	70	70	5
110	142931	50	30	40	60	52	80	80	90	90	90	80	80	80	70	70	70	60	0
111	142907	52	52	A	A	100	100	90	90	80	90	90	90	90	60	70	80	90	7
112	142925	28	20	0	12	16	100	90	90	90	90	80	70	60	50	50	50	50	0
113	142933	24	0	44	28	50	80	70	80	80	100	100	100	100	100	100	100	100	0
114	142914	32	28	80	56	36	100	80	100	100	100	100	100	100	100	100	100	100	7
115	142901	36	44	76	76	76	100	100	100	100	100	100	100	100	100	100	100	100	6
116	142911	100	80	100	92	100	100	100	100	100	100	100	100	100	100	100	100	100	7
117	142910	40	48	72	28	96	100	80	0	100	100	100	100	100	100	100	100	100	5
118	142918	40	4	68	52	80	100	100	100	100	100	100	100	100	100	100	100	100	5
119	142903	4	0	28	28	12	0	0	80	100	100	100	100	100	100	100	100	100	0
120	142923	A	A	80	4	76	0	0	70	100	100	100	100	100	100	100	100	100	6
121	142401	48	52	84	64	72	100	100	100	100	100	100	100	100	100	100	100	100	7

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO 1	T2 CO 2	T3 CO 3	T4 CO 4	T5 CO 5	A1 CO 1	A2 CO 2	A3 CO 3	S1 CO 4	S2 CO 5	Q1 CO 4	Q2 CO 5	T1 CO 1	T2 CO 2	T3 CO 3	T4 CO 4	T5 CO 5	AU
	46.55	**44.83**	**76.47**	**73.11**	**75.42**	**91.74**	**87.6**	**88.43**	**97.52**	**98.35**	**97.52**	**95.87**	**96.69**	**92.56**	**91.74**	**93.39**	**93.39**	**58.68**
Level	**0**	**0**	**2**	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**0**

Survey:

Survey	**C306.1**	**C306.2**	**C306.3**	**C306.4**	C306.5
Obtained Percentage	93.09	91.09	91.09	88.64	85.66
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C306:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C306.1	0	3	-	-	3	1.2	0	0.48	**3**	0.98
C306.2	0	3	-	-	3	1.2	0	0.48	**3**	0.98
C306.3	2	3	-	-	3	2.4	0	0.96	**3**	1.37
C306.4	2	-	3	3	3	2.4	0	0.96	**3**	1.37
C306.5	2	-	3	3	3	2.4	0	0.96	**3**	1.37
C306										**1.21**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C306.1	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C306.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C306.3	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C306.4	AU Exam	[0.6*Internal Test + 0.1*Seminar + 0.1*Quiz + 0.1*Tutorial]
C306.5	AU Exam	[0.6*Internal Test + 0.1*Seminar + 0.1*Quiz + 0.1*Tutorial]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C306 = \frac{C306.1 + C306.2 + C306.3 + C306.4 + C306.5}{5} = 1.21$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6511: Control and Instrumentation Lab-C307

Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044		80	90		90	90	92	90	90	98	90	90		90	90	10
2	132104		90	90		90	90	96	90	90	92	90	90		90	90	10
3	132064	80	70	80		70	70		70	80		70	80		70	80	5
4	132305		60	70		70	70	80	70	80		70	80		70	80	5
5	132313	80	70	70		80	90		70	90		70	70		70	80	6
6	132061		90	90		90	90	92	90	90		80	90	92	90	90	9
7	132103	92	90	90		90	90		80	80		80	90		90	90	9
8	132306		90	90		90	90	94	90	90	96	90	90		90	90	10
9	132070	80	60	60		70	70		60	90		70	70		80	90	5
10	132053		90	80		80	90	90	80	90		80	90	90	90	90	10
11	132062		90	70		90	60	92	80	80	84	80	90		80	90	9
12	132011	96	90	100		90	90		90	90		90	90		90	90	10
13	132027		90	100	95	90	90	95	90	90		80	90		90	90	9
14	132303	92	90	100		90	90		80	90		80	90		90	90	8
15	132014		90	60	88	90	80		80	80		80	80		80	80	10
16	132043	98	90	90		90	90	98	90	90		90	90		90	90	10
17	132310		80	70		80	80	86	80	80	94	80	80		80	80	9
18	132041	92	80	80		90	80		80	80		80	90		80	80	7
19	132007		90	80		90	90	96	80	90	88	80	90		90	90	10
20	132058	94	90	90		90	90		80	90		80	90		90	90	10
21	132003	98	90	90		90	90		90	100		90	90		90	100	10
22	132066		70	0	80	80	50		80	90		70	80		80	90	7
23	132073	98	90	90		90	90	98	90	90		90	90		90	100	10
24	132067	88	80	80		80	80		80	90		80	60		80	90	8
25	132045	80	80	40		80	70		80	80		80	80		70	90	8
26	132008		80	70		80	30	90	80	80	86	70	80		80	90	8
27	132040	98	80	90		90	90		80	80		90	90		90	90	10
28	132018		80	40	92	70	0		70	20		80	60		70	80	10
29	132033		80	90		90	90	88	70	90		70	90	92	80	90	10
30	132016	96	90	100		90	90		90	100		90	90		90	100	10
31	132050	96	90	90		90	90	96	80	90		90	90		90	90	10
32	132012	96	90	100		90	100	96	90	90		90	90		90	100	10
33	132069		80	100	96	90	90		80	90		90	90		90	90	10
34	132054		90	100		90	100		90	90	96	90	90		90	80	9
35	132052		100	90		100	90		100	90		90	90	96	90	100	10
36	132063	96	90	90		90	90		80	90		90	90		90	80	9
37	132060		90	90		90	90	92	80	90		90	90		90	80	9
38	132302		60	80	92	80	80		80	70		80	70		80	70	9
39	132051		90	90		90	100		90	90		90	90	96	90	90	10
40	132032		90	90		90	90	98	80	80		80	80		90	90	9
41	132065		70	80		80	80		70	70		80	70	80	80	70	5
42	132071		70	70		80	70		80	70	92	80	60		80	70	6
43	132023		90	100	90	90	100		80	90		90	90		90	90	10
44	132026		100	100		100	100		90	90	98	90	90		90	100	10
45	132025		70	80		70	80		80	70		80	60	98	90	70	10
46	132046	98	100	100		90	100		80	90		90	90		90	100	10

47	132035		100	100		100	100	98	80	90		90	90		90	90	10
48	132013		80	70		80	70	100	80	60	88	80	70		70	70	7
49	132010		80	80		80	70	92	80	60	92	80	70		80	70	10
50	132020		90	100		90	100	100	90	90		90	90	92	90	100	10
51	132015		80	70		90	90	90	80	50		80	70	90	80	80	10
52	132004	96	90	90		90	100		90	90		80	90		90	100	10
53	132005		90	100		90	100	98	90	90		80	100		90	100	10
54	132028		90	100		90	100	100	90	90		80	100	96	90	100	10
55	132031		90	100		90	100	96	80	90	100	80	100		90	100	10
56	132057		90	100		90	100	100	90	100	96	80	100		90	100	10
57	132056	98	90	100		80	90		80	90		80	100		80	100	10
58	132036		90	100	98	90	100		80	90		80	100		80	100	10
59	132312		90	100		90	100	96	80	90		80	90		90	90	10
60	132021		90	100	98	90	100		90	100		80	100		90	100	10
61	132001		90	100		90	100		90	100	98	80	100		90	100	10
62	132311	92	80	80		80	80		80	70		80	80		80	80	9
63	132072		80	80		80	80	50	80	70		80	80		80	80	
64	132024	97	90	100		90	100		90	90		90	90		90	90	10
65	132068	90	80	80		80	80		70	80		80	90		90	90	7
66	132101		90	100		90	90	97	90	90	97	90	90		90	90	10
67	132029	90	90	90		90	80	90	80	90		80	80		80	90	10
68	132042	70	90	90		80	90		80	80		80	90		70	90	7
69	132049		60	80	50	70	70		70	80		70	80		80	80	
70	132037	90	90	90		90	90		90	90		80	90		90	90	6
71	132006		80	100		90	100		90	90		80	90		90	90	10
72	132047	94	90	100		80	90	94	90	90		80	90		90	90	10
73	132059	97	90	100		90	90		80	90		90	90		90	90	10
74	132055		90	90		80	90	80	70	80	80	80	90		80	90	9
75	132105	90	90	80		80	90		70	80		80	90		80	90	8
76	132301	97	90	100		90	90		90	90		90	90		90	90	10
77	132048		90	100		90	90	95	80	90	95	90	90		90	90	10
78	132304	97	90	100		90	90	97	90	90		80	90		90	90	10
79	132108		90	100		90	90		90	90		80	90	90	80	90	9
80	132017	97	90	100		90	90		90	90		80	90		90	90	10
81	132307		90	100		90	100		80	90		80	90	70	90	90	8
82	132002	97	80	100		90	90		90	90		80	90		90	90	10
83	132009		90	100	97	90	90		80	90		80	90		90	90	10
84	132102	98	90	100		90	100		80	90		90	90		90	90	10
85	132022	97	90	100		90	90	97	80	90		80	90		90	90	10
86	132019		90	90		90	100	97	90	90		80	90	97	90	90	10
87	132039	97	90	90		90	100		80	90		90	90		90	90	10
88	132034	97	80	80		80	80		80	80		80	90		80	90	10
89	132107		70	70		70	80	90	70	80	90	70	90		80	90	8
90	132309		90	90		90	90	97	90	90		90	90		90	90	7
91	132106	80	80	80		80	80		70	80		70	90		80	90	8
92	132030	97	90	90		90	100		90	90		90	90		90	90	10
93	132308	93	90	90		90	90		90	90		90	90		90	90	10
94	142912	80	70	90		70	50		80	30		70	80		80	90	6
95	142915		90	90		90	100	88	80	80	88	70	80		80	90	6
96	142917	80	60	90		80	50		70	80		70	80		80	90	
97	142913	90	90	90		80	90		80	90		70	90		80	90	10

98	142920		80	90		80	90	90	80	90	90	70	90		80	90	6
99	142926	88	70	50		70	60		70	50		70	90		60	90	6
100	142904	96	90	90		90	90	96	80	90		80	90		90	90	6
101	142927	88	70	90		80	90		80	50		60	80		80	70	6
102	142921		70	30		80	40	80	80	80		80	90		80	90	10
103	142916		80	70	80	80	60		80	70		80	70		80	70	8
104	142924		80	80		80	60		80	70		80	70	86	80	70	8
105	142922		80	70		80	70	92	80	70		80	70		80	70	6
106	142908		80	80	82	80	70		90	90		80	60		80	70	9
107	142909		80	70		80	70		80	80		80	70	96	80	70	10
108	142919	96	90	100		90	90		90	100		80	90		80	90	10
109	142902		80	60	90	80	60		80	70		80	80		80	80	6
110	142931		80	70		80	70	94	80	60		90	70		80	70	7
111	142907	96	90	100		90	100		90	100		80	80		80	80	9
112	142925		80	70		80	80	80	80	60		80	60		80	60	
113	142933		70	70	80	80	80		70	70		80	80		70	80	9
114	142914		90	90		90	90		80	90	94	90	90		80	90	8
115	142901	97	90	100		90	90		80	80		90	90		90	90	8
116	142911	97	80	100		90	100		80	80		90	90		90	90	10
117	142910		70	70		80	90	80	80	80		80	80	80	90	90	9
118	142918		90	90		90	90	90	90	90	90	90	90		90	80	9
119	142903		70	80		70	70	50	80	70		80	70	80	80	70	
120	142923	92	90	90		80	70		80	80		90	80		80	80	9
121	142401		70	80		80	80	90	80	80	90	80	90		80	90	8

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	AU
	98	96	80.17	93.33	100	79.34	96	99.17	82.64	100	99.17	84.3	94.12	99.17	87.6	69.83
Level	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	1

Survey:

Survey	C307.1	C307.2	C307.3	C307.4	C307.5
Obtained Percentage	88.62	83.86	86.42	86.78	88.1
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C307:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C307.1	3	3	3	3	3		1	1.8		2.04
C307.2	3	3	2	3	2.8		1	1.72		1.98
C307.3	3	3	3	3	3		1	1.8		2.04
C307.4	3	3	3	3	3		1	1.8		2.04
C307.5	3	3	3	3	3		1	1.8		2.04
C307										**2.03**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C307.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C307.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C307.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C307.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C307.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C307 = \frac{C307.1 + C307.2 + C307.3 + C307.4 + C307.5}{5} = 2.03$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: GE6674: Communication and Soft Skills Lab-C308

Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044	90			90			90			90			90			90
2	132104	90			90			90			90			90			80
3	132064	90			90			90			90			90			80
4	132305	90			90			90			90			90			80
5	132313	90			90			90			90			90			80
6	132061	90			90			90			90			90			80
7	132103	90			90			90			90			90			90
8	132306	90			90			90			90			90			90
9	132070	90			90			90			90			90			80
10	132053	90			90			90			90			90			90
11	132062	90			90			90			90			90			80
12	132011	90			90			90			90			90			90
13	132027	90			90			90			90			90			90
14	132303	90			90			90			90			90			90
15	132014	90			90			90			90			90			90
16	132043	90			90			90			90			90			90
17	132310	90			90			90			90			90			90
18	132041	90			90			90			90			90			80
19	132007	90			90			90			90			90			100
20	132058	90			90			90			90			90			90
21	132003	90			90			90			90			90			90
22	132073	90			90			90			90			90			90
23	132067	90			90			90			90			90			80
24	132045	90			90			90			90			90			90
25	132008	90			90			90			90			90			70
26	132040	90			90			90			90			90			100
27	132018	90			90			90			90			90			80
28	132033	90			90			90			90			90			80
29	132016	90			90			90			90			90			90
30	132050	90			90			90			90			90			80
31	132012	90			90			90			90			90			80
32	132069	90			90			90			90			90			80
33	132054	90			90			90			90			90			70
34	132052	90			90			90			90			90			80
35	132063	90			90			90			90			90			70
36	132060	90			90			90			90			90			80
37	132302	90			90			90			90			90			80
38	132051	90			90			90			90			90			70
39	132032	90			90			90			90			90			70
40	132065	90			90			90			90			90			90
41	132071	90			90			90			90			90			80
42	132023	90			90			90			90			90			80
43	132026	90			90			90			90			90			90
44	132025	90			90			90			90			90			100
45	132046	90			90			90			90			90			80
46	132035	90			90			90			90			90			80

47	132013	90			90			90			90			90			90
48	132010	90			90			90			90			90			80
49	132020	90			90			90			90			90			80
50	132015	90			90			90			90			90			80
51	132004	90			90			90			90			90			90
52	132005	90			90			90			90			90			90
53	132028	90			90			90			90			90			80
54	132031	90			90			90			90			90			90
55	132057	90			90			90			90			90			90
56	132056	90			90			90			90			90			80
57	132036	90			90			90			90			90			80
58	132312	90			90			90			90			90			90
59	132021	90			90			90			90			90			90
60	132001	90			90			90			90			90			90
61	132311	90			90			90			90			90			90
62	132072	90			90			90			90			90			90
63	132024	90			90			90			90			90			90
64	132068	90			90			90			90			90			90
65	132101	90			90			90			90			90			90
66	132029	90			90			90			90			90			90
67	132042	90			90			90			90			90			80
68	132049	90			90			90			90			90			100
69	132037	90			90			90			90			90			90
70	132006	90			90			90			90			90			90
71	132047	90			90			90			90			90			70
72	132059	90			90			90			90			90			80
73	132055	90			90			90			90			90			70
74	132105	90			90			90			90			90			90
75	132301	90			90			90			90			90			80
76	132048	90			90			90			90			90			90
77	132304	90			90			90			90			90			90
78	132108	90			90			90			90			90			80
79	132017	90			90			90			90			90			80
80	132307	90			90			90			90			90			80
81	132002	90			90			90			90			90			80
82	132009	90			90			90			90			90			90
83	132102	90			90			90			90			90			80
84	132022	90			90			90			90			90			90
85	132019	90			90			90			90			90			90
86	132039	90			90			90			90			90			80
87	132034	90			90			90			90			90			90
88	132107	90			90			90			90			90			80
89	132309	90			90			90			90			90			90
90	132106	90			90			90			90			90			90
91	132030	90			90			90			90			90			90
92	132308	90			90			90			90			90			90
93	142912	90			90			90			90			90			80
94	142915	90			90			90			90			90			90
95	142917	90			90			90			90			90			90
96	142913	90			90			90			90			90			90
97	142920	90			90			90			90			90			80

98	142926	90			90			90			90			90			100
99	142904	90			90			90			90			90			100
100	142927	90			90			90			90			90			100
101	142921	90			90			90			90			90			90
102	142916	90			90			90			90			90			90
103	142924	90			90			90			90			90			90
104	142922	90			90			90			90			90			100
105	142908	90			90			90			90			90			90
106	142909	90			90			90			90			90			90
107	142919	90			90			90			90			90			80
108	142902	90			90			90			90			90			80
109	142931	90			90			90			90			90			80
110	142907	90			90			90			90			90			90
111	142925	90			90			90			90			90			90
112	142933	90			90			90			90			90			70
113	142914	90			90			90			90			90			80
114	142901	90			90			90			90			90			90
115	142911	90			90			90			90			90			80
116	142910	90			90			90			90			90			80
117	142918	90			90			90			90			90			80
118	142903	90			90			90			90			90			80
119	142923	90			90			90			90			90			80
120	142401	90			90			90			90			90			100
121	132044	90			90			90			90			90			90

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	AU
	100			100			100			100			100			100
Level	3			3			3			3			3			3

Survey:

Survey	C308.1	C308.2	C308.3	C308.4	C308.5
Obtained Percentage	87.14	87.52	86.58	87.92	85.81
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C308:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C308.1	3	-	-	3	3		3	3		3
C308.2	3	-	-	3	3		3	3		3
C308.3	3	-	-	3	3		3	3		3
C308.4	3	-	-	3	3		3	3		3
C308.5	3	-	-	3	3		3	3		3
C308										**3**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C308.1	AU Exam	[1*Internal Test]
C308.2	AU Exam	[1*Internal Test]
C308.3	AU Exam	[1*Internal Test]
C308.4	AU Exam	[1*Internal Test]
C308.5	AU Exam	[1*Internal Test]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C308 = \frac{C308.1 + C308.2 + C308.3 + C308.4 + C308.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6512: Electrical Machines Lab-II-C309

Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044	97	80	95		75	95		90	90		73	90		83	90	10
2	132104		80	95		80	95		85	95		76	90	95	80	90	10
3	142912		85	85		90	90		90	90		83	93	96	86	80	10
4	132064		80	85		85	85		85	85		83	86	96	86	86	10
5	132305		65	80		80	85	92	75	85		63	90		73	80	9
6	142915	94	85	85		80	95		90	86		80	83		86	90	10
7	132313	92	85	90		85	85		80	85		76	86		78	90	9
8	132061		80	90		80	90	95	90	90		76	90		83	90	10
9	132103		85	85		85	85	96	85	85		83	86		83	94	10
10	132306		90	80	96	85	85		85	80		83	83		83	90	10
11	132070	95	85	85		90	85		80	85		83	96		86	96	9
12	142917		90	83		85	85	96	90	83		76	90		83	86	9
13	132053		85	80	96	85	90		85	90		86	93		86	90	10
14	142913	95	80	95		80	95		90	83		80	90		83	93	10
15	132062		80	75		70	85		75	85	97	80	86		86	86	10
16	132011		80	90	90	80	96		90	90		96	83		90	83	10
17	132027		85	90		90	80		90	90	96	83	95		90	80	10
18	132303	100	96	85		95	85		95	80		90	83		93	83	10
19	142920		80	90	95	85	94		90	80		86	80		80	76	10
20	132014		75	90		90	60		90	85		93	80	90	63	94	10
21	132043		80	90		90	80	90	85	90		90	83		90	83	10
22	132310	85	92	83		85	75		85	80		86	80		90	86	10
23	142926		75	85		85	80		93	80		93	83	83	80	96	10
24	132041		80	85	85	75	96		85	85		86	80		90	86	10
25	142904		75	80		85	75		75	75		80	73	83	83	94	10
26	132007		90	90		90	80		95	85		96	80	93	83	95	10
27	132058		90	85	96	90	80		90	85		96	83		93	83	10
28	132003		90	90	100	90	95		95	85		93	93		96	80	10
29	132066	90	94	75		80	90		85	80		86	76		83	73	10
30	142927		85	85		90	70		86	85	83	83	96		83	80	10
31	132073		85	95		85	85		90	85	93	83	94		86	80	10
32	132067		85	80	93	85	85		80	75		85	87		83	93	10
33	142921		85	85		85	90		80	90		83	90	94	80	89	10
34	142916		90	90		90	90	92	90	90		90	90		90	90	10
35	132045		85	85		85	85		80	95	93	80	90		80	90	10
36	132008		80	85		85	80		80	90	97	86	87		80	87	10
37	132040		75	90	96	80	95		85	90		80	89		80	80	10
38	142924		90	90	95	90	90		90	90		90	90		90	90	10
39	142922		90	80		90	80		90	80		90	70	92	90	80	10
40	132018		85	75	97	85	90		90	85		87	73		90	83	10
41	132033	95	90	90		90	90		85	90		90	93		89	80	10
42	132016		90	90		85	80	95	83	93		83	93		90	93	10
43	132050		90	80		90	85		95	80		90	93	93	97	83	10
44	132012		95	90		98	90		92	90		90	90	95	90	90	10
45	132069		95	90		98	90		95	90	92	90	90		90	90	10
46	132054		96	90		96	90		95	90		90	90	90	90	90	10

47	132052		94	90		98	90	96	95	90		90	90		90	90	10
48	132063		94	90	96	97	90		95	90		90	90		90	90	9
49	132060		90	90	95	90	90		85	90		93	90		90	90	10
50	132302	99	90	90		90	90		90	90		90	90		90	90	9
51	142908		90	80	90	90	70		90	80		90	70		90	80	10
52	142909		90	80		90	80	92	90	80		90	80		90	80	10
53	142919		90	90		90	90		90	90		90	80	95	90	80	10
54	132051	95	94	90		95	90		96	90		90	80		90	90	10
55	132032		94	90	92	95	90		97	90		90	80		90	90	10
56	142902	90	80	90		90	80		90	80		90	80		90	80	10
57	132065		90	90	99	90	90		90	90		90	90		90	90	10
58	132071		90	90		90	90	99	90	90		90	90		90	90	10
59	132023		96	90		96	90		96	90		90	90	90	90	90	10
60	132026		98	90		98	90		98	90		90	90	94	90	90	10
61	132025	96	90	90		90	90		90	90		90	90		90	90	10
62	142931		90	80	90	80	95		90	80		90	80		90	80	10
63	132046		92	90		95	90		95	90	96	90	90		90	90	10
64	132035		93	90	96	90	95		95	90		90	80		90	90	10
65	132013		90	90	90	90	90		90	90		90	90		90	90	10
66	132010		90	90		90	90	90	90	90		90	90		90	90	10
67	132020		92	90		93	90	95	95	90		90	80		90	90	10
68	132015		90	90		90	90		90	90		90	90	95	90	90	10
69	132004		90	90	95	90	90		90	80		90	80		90	80	10
70	132005		90	90	90	90	99		90	90		90	90		90	90	10
71	132028		90	90		90	90	90	90	99		90	90		90	90	10
72	142907		90	90	95	90	90		90	90		90	80		90	80	10
73	142925		90	80		90	80		90	80		90	80	90	80	99	10
74	142401		90	90		66	73	89	70	70		66	66		80	80	10
75	132031		90	90		90	90		90	90		90	90	90	90	99	10
76	132057		90	90	90	90	99		90	90		90	90		90	90	10
77	132056		90	90		90	90		90	90		90	90		90	90	10
78	132036		90	100		90	100		90	90	99	90	90		90	90	10
79	132312	95	90	90		90	90		90	90		90	90		90	90	10
80	142933	63	85	90		70	73		70	80		70	73		83	83	9
81	132021	98	90	90		90	90		90	90		90	90		90	90	10
82	132001		90	100		90	90		90	100		90	90	99	90	90	10
83	132311		90	90		90	90		90	90		90	90	95	90	90	10
84	132072	58	0	0		0	0		0	0		0	0		0	0	8
85	132024	98	90	90		88	86		90	90		93	93		90	83	10
86	132068	68	75	70		80	73		80	85		90	90		80	86	10
87	132101		80	80		80	90	95	90	90		83	83		80	86	10
88	142914		80	80	90	80	86		75	85		83	70		80	80	10
89	132029		80	80		83	86		85	85		90	80	86	73	95	10
90	132042		75	75		80	80		85	85	76	76	80		76	76	10
91	132049	50	0	0		0	0		0	0		0	0		0	0	8
92	132037	80	90	75		90	90		80	90		83	86		86	90	9
93	132006	75	90	90		73	86		80	90		73	83		86	86	10
94	132047		75	90	80	90	96		85	90		76	83		90	86	10
95	132059		0	90	95	0	90		0	85		0	73		0	73	10
96	132055	85	85	58		83	90		75	85		90	73		90	76	10
97	142901		85	90		90	90		80	85	93	73	86		90	93	10

98	132105		75	75		83	80		75	80	70	70	90		70	80	10
99	132301	85	85	80		83	83		85	85		80	70		86	83	10
100	132048		80	85		83	86		80	90	76	83	92		90	90	10
101	132304		80	90	96	80	90		85	90		0	86		0	86	10
102	132108		90	90		73	80		90	90		70	76	86	87	80	10
103	132017	80	90	98		74	90		95	95		80	90		86	93	10
104	142911	85	90	90		90	90		85	85		73	83		80	86	10
105	142910	80	80	69		73	73		69	80		70	70		70	70	10
106	132307	72	90	80		70	80		75	80		76	76		83	83	10
107	142918		70	80		83	86		85	85	90	83	90		83	76	10
108	132002		85	90		80	90		90	90	98	83	86		80	86	10
109	132009		90	90		76	86		85	90		83	80	85	83	86	10
110	132102		75	85		83	90		85	90	85	90	90		70	86	10
111	132022		75	90	92	80	90		80	90		93	90		76	86	10
112	132019	98	80	90		90	90		95	95		93	90		76	86	10
113	142903		65	60		70	73		70	80		76	76	57	83	66	9
114	132039	95	75	90		83	93		80	90		76	90		76	76	10
115	132034	93	90	90		80	86		70	85		73	73		83	83	10
116	132107		75	75		83	83		80	80		66	70	75	80	80	9
117	142923		65	70		73	73		70	80		83	86	89	70	70	10
118	132309		70	90		83	93		90	90	98	90	80		76	83	10
119	132106		80	85		73	86		80	85	90	83	80		80	86	10
120	132030		75	90		86	93		90	90	90	76	90		70	86	10
121	132308	85	90	90		76	83		75	85		73	83		83	80	10

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**AU**
	79	**95**	**88.43**	**100**	**96.69**	**89.26**	**100**	**96.69**	**95.87**	**84.21**	**94.21**	**84.3**	**92.31**	**95.87**	**90.08**	**98.35**
Level	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

Survey:

Survey	**C309.1**	**C309.2**	**C309.3**	**C309.4**	**C309.5**
Obtained Percentage	91.09	90.39	90.59	91.09	91.05
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C309:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C309.1	2	3	3	3	2.4		3	2.76		2.81
C309.2	3	3	3	3	3		3	3		3
C309.3	3	3	3	3	3		3	3		3
C309.4	3	3	3	3	3		3	3		3
C309.5	3	3	3	3	3		3	3		3
C309										**2.96**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C309.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C309.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C309.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C309.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C309.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C309 = \frac{C309.1 + C309.2 + C309.3 + C309.4 + C309.5}{5} = 2.96$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EC6651: Communication Engineering-C310
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignment				Quiz		
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO5	S1 CO5	Q1 CO1	Q2 CO2	AU
1	132044	84	76	100	80	60	94	96	92	94	86	92	7
2	132104	84	84	88	88	52	94	96	94	90	82	94	7
3	132064	88	90	A	A	36	96	94	94	70	70	92	5
4	132305	80	88	48	24	50	92	94	94	74	72	94	5
5	132313	68	78	88	28	34	94	92	96	80	78	90	
6	132061	88	64	92	80	72	94	96	94	92	88	88	7
7	132103	82	82	92	68	64	94	94	96	94	90	90	7
8	132306	A	A	90	83	64	94	96	96	92	90	92	7
9	132070	68	78	78	68	40	96	94	96	90	84	90	
10	132053	60	80	92	44	40	94	94	94	92	80	92	8
11	132062	84	60	72	68	60	94	94	96	96	88	88	7
12	132011	84	88	80	84	56	92	94	94	94	90	94	7
13	132027	68	68	92	60	56	94	92	94	96	92	98	8
14	132303	80	72	80	80	60	94	96	96	92	90	90	8
15	132014	52	40	84	68	52	92	96	94	94	88	80	6
16	132043	85	96	96	90	56	94	94	96	96	92	92	8
17	132310	58	56	92	36	52	96	92	94	90	90	80	5
18	132041	80	80	88	64	64	94	94	96	92	84	94	7
19	132007	84	92	84	68	56	98	92	96	90	88	92	8
20	132058	80	88	100	84	60	94	94	96	94	92	94	7
21	132003	68	100	93	92	96	96	94	94	96	94	92	9
22	132066	68	98	96	44	52	98	92	96	80	76	86	
23	132073	88	68	96	72	80	94	96	94	94	92	96	9
24	132067	68	78	56	36	52	96	94	94	96	78	92	5
25	132045	78	72	84	52	60	94	94	96	92	90	94	5
26	132008	60	80	72	56	36	94	92	94	90	80	88	5
27	132040	82	80	96	76	68	94	94	94	94	88	96	9
28	132018	72	80	80	80	52	96	94	96	90	90	92	5
29	132033	56	52	76	88	60	94	96	92	92	94	96	7
30	132016	76	72	92	84	92	92	94	94	94	88	90	9
31	132050	76	88	84	52	96	94	94	96	94	86	92	7
32	132012	92	88	92	76	72	96	92	96	96	90	88	9
33	132069	80	68	40	28	56	94	96	94	92	86	90	6
34	132054	90	88	92	80	56	96	94	96	90	92	96	9
35	132052	88	80	84	76	68	94	92	96	94	90	94	8
36	132063	80	42	64	64	36	92	94	94	90	94	92	7
37	132060	68	16	44	80	60	94	96	96	94	90	88	8
38	132302	84	68	76	72	56	96	94	92	90	82	90	
39	132051	84	64	96	84	52	92	96	94	96	92	94	8
40	132032	72	80	92	80	60	96	94	96	90	90	92	9
41	132065	64	36	64	48	52	94	94	96	92	76	88	5
42	132071	18	0	76	48	16	96	96	94	92	64	80	5
43	132023	92	96	100	96	60	96	94	96	96	90	96	8
44	132026	84	68	88	92	52	94	96	96	92	92	90	8
45	132025	64	60	80	64	52	92	94	94	94	88	92	7

46	132046	84	80	88	80	76	96	92	94	92	92	94	7
47	132035	90	88	96	88	60	94	96	96	96	90	94	7
48	132013	88	90	92	84	32	96	94	94	94	80	90	8
49	132010	80	72	36	80	68	92	94	94	88	88	92	8
50	132020	88	92	84	76	64	92	92	96	92	90	94	8
51	132015	72	76	84	89	68	94	94	94	94	92	94	6
52	132004	80	80	72	76	56	96	94	92	88	90	92	9
53	132005	80	76	80	68	68	94	96	96	92	94	94	6
54	132028	68	92	88	72	56	96	96	96	92	90	92	8
55	132031	80	84	88	80	64	94	94	94	96	88	94	8
56	132057	88	100	80	68	68	92	96	94	88	84	90	10
57	132056	88	72	80	80	56	94	92	96	92	92	92	7
58	132036	96	84	96	84	56	96	94	92	86	88	44	9
59	132312	92	96	100	64	60	92	96	94	94	90	94	7
60	132021	100	100	92	88	A	94	96	96	96	96	98	9
61	132001	92	100	88	84	52	96	94	94	90	94	94	8
62	132311	88	90	40	24	60	94	96	96	88	90	90	
63	132072	0	0	0	0	28	90	70	80	70	90	80	
64	132024	74	74	72	50	92	100	80	80	90	80	80	7
65	132068	100	60	88	72	76	100	70	80	90	80	80	8
66	132101	70	74	80	60	88	80	100	80	90	80	80	8
67	132029	56	56	72	56	80	90	90	100	90	80	80	5
68	132042	50	58	52	52	80	80	90	80	90	90	90	6
69	132049	30	30	52	52	52	50	80	80	60	80	80	7
70	132037	80	84	96	88	92	100	100	100	80	90	90	7
71	132006	80	80	64	68	92	90	100	80	80	70	70	7
72	132047	88	80	70	82	88	80	100	100	100	70	70	8
73	132059	70	90	80	80	84	80	80	80	90	80	80	7
74	132055	88	88	72	72	40	90	100	80	80	80	90	6
75	132105	60	40	50	52	92	80	70	80	80	90	80	5
76	132301	54	54	80	60	72	50	80	90	90	80	80	7
77	132048	58	68	76	72	92	90	20	90	90	70	70	8
78	132304	90	70	96	64	96	90	100	80	90	70	70	8
79	132108	46	46	92	48	64	50	80	90	80	80	80	7
80	132017	94	94	92	96	96	50	100	80	90	80	80	10
81	132307	64	60	60	34	72	90	80	100	100	80	80	6
82	132002	90	82	92	76	96	50	100	100	90	70	70	7
83	132009	68	68	76	84	88	80	70	90	90	80	80	8
84	132102	84	80	92	86	92	80	100	90	90	70	70	8
85	132022	84	84	80	66	96	80	100	80	90	70	70	9
86	132019	80	80	92	92	96	90	100	100	90	70	70	9
87	132039	84	84	100	96	92	90	100	90	80	70	70	9
88	132034	60	63	84	44	88	80	60	80	90	90	90	6
89	132107	68	62	72	48	56	50	60	80	90	90	90	5
90	132309	78	75	80	80	80	90	100	100	90	70	70	7
91	132106	66	66	80	80	60	80	60	90	80	20	80	7
92	132030	70	60	76	48	76	90	100	90	80	70	70	7
93	132308	64	64	56	56	68	50	80	90	80	80	80	7
94	142912	64	0	88	20	40	96	92	94	88	74	90	
95	142915	44	44	64	60	50	92	94	94	92	80	92	7
96	142917	60	68	56	52	64	92	94	92	90	70	90	5

97	142913	40	36	68	60	72	92	94	94	94	78	90	5
98	142920	0	0	40	32	20	94	94	94	80	50	82	5
99	142926	A	A	48	56	A	92	92	94	84	50	80	
100	142904	32	24	80	60	20	94	94	94	88	70	88	5
101	142927	48	36	44	56	72	94	94	94	92	80	90	
102	142921	44	58	60	56	60	92	84	94	90	80	90	5
103	142916	48	36	16	24	28	92	92	92	80	72	80	
104	142924	80	40	72	68	56	96	96	96	84	80	88	7
105	142922	28	24	60	68	28	96	94	94	80	72	76	6
106	142908	96	84	80	76	72	92	92	92	88	84	88	8
107	142909	60	24	54	52	50	92	94	94	92	88	86	6
108	142919	72	88	80	64	68	94	92	92	94	90	88	7
109	142902	72	76	84	72	56	92	94	94	92	90	90	7
110	142931	68	34	64	48	44	94	96	96	80	70	80	6
111	142907	52	56	88	68	68	94	94	94	88	84	88	7
112	142925	88	80	68	24	40	92	92	92	70	60	80	
113	142933	24	24	A	A	50	100	100	100	90	90	90	5
114	142914	68	68	72	72	64	80	100	90	90	90	90	6
115	142901	66	72	60	80	80	90	100	100	90	70	70	5
116	142911	50	26	68	56	80	80	60	80	90	70	70	5
117	142910	56	56	62	62	64	100	70	80	90	90	90	5
118	142918	54	50	84	60	76	100	70	80	90	90	80	6
119	142903	6	6	8	0	28	50	60	80	60	90	90	
120	142923	58	58	38	0	64	90	100	80	60	90	90	6
121	142401	68	60	76	56	68	80	70	80	70	90	90	8

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO5	S1 CO5	Q1 CO1	Q2 CO2	AU
	78.15	**72.27**	**84.03**	**67.23**	**59.66**	**93.39**	**89.26**	**100**	**97.52**	**95.87**	**99.17**	**61.16**
Level	**2**	**2**	**3**	**1**	**0**	**3**	**3**	**3**	**3**	**3**	**3**	**1**

Survey:

Survey	**C310.1**	**C310.2**	**C310.3**	**C310.4**	C310.5
Obtained Percentage	91.03	86.42	88.05	86.84	82.51
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C310:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C310.1	2	3	-	3		2.3	1	1.52	**3**	1.82
C310.2	2	3	-	3		2.3	1	1.82	**3**	1.82
C310.3	3	-	-	-		3	1	2.04	**3**	2.04
C310.4	1	-	-	-		1	1	1.4	**3**	1.4
C310.5	0	3	3	-		0.9	1	1.37	**3**	1.37
C310										**1.69**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C310.1	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]
C310.2	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]
C310.3	AU Exam	[1*Internal Test]
C310.4	AU Exam	[1*Internal Test]
C310.5	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Seminar]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C310 = \frac{C310.1 + C310.2 + C310.3 + C310.4 + C310.5}{5} = 1.69$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6601: Solid State Drives-C311
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignment					Quiz		
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO4	S1 CO3	S2 CO4	Q1 CO3	Q2 CO4	AU
1	132044	88	88	84	84	96	100	100	100	100	100	100	100	90
2	132104	25	25	96	96	96	100	100	100	100	0	0	100	70
3	132064	68	47	A	A	80	100	100	0	100	100	100	100	60
4	132305	80	50	28	28	89	100	100	100	100	100	100	100	60
5	132313	64	44	64	28	89	100	100	100	100	100	100	100	0
6	132061	96	96	80	68	96	100	100	100	100	100	100	100	70
7	132103	88	64	92	64	96	100	100	100	100	100	100	100	60
8	132306	A	A	88	88	96	100	100	100	100	100	100	100	60
9	132070	32	76	28	60	89	100	100	100	100	100	100	100	0
10	132053	72	68	72	56	89	100	100	0	100	100	100	100	70
11	132062	52	48	84	52	92	100	100	100	100	100	100	100	50
12	132011	100	96	88	88	96	100	100	100	100	100	100	100	90
13	132027	94	71	92	88	95	100	100	100	100	100	100	100	80
14	132303	96	88	100	80	92	100	100	100	100	100	100	100	90
15	132014	84	76	84	76	90	100	100	100	100	100	100	100	70
16	132043	100	88	96	80	94	100	100	100	100	100	100	100	90
17	132310	80	80	48	68	90	100	100	100	100	100	100	100	70
18	132041	84	68	64	72	92	100	100	100	100	100	100	100	50
19	132007	84	76	88	80	92	100	100	100	100	100	100	100	70
20	132058	96	84	100	80	96	100	100	100	100	100	100	100	70
21	132003	96	100	84	84	98	100	100	100	100	100	100	100	80
22	132066	56	68	48	64	92	100	100	100	100	100	100	100	0
23	132073	96	84	100	96	96	100	100	100	100	100	100	100	80
24	132067	56	56	36	60	90	100	100	100	100	100	100	100	50
25	132045	96	76	60	68	94	100	100	100	100	100	100	0	70
26	132008	44	60	88	52	90	100	100	100	100	100	100	100	50
27	132040	88	72	88	76	95	100	100	100	100	100	100	100	70
28	132018	44	60	84	48	92	100	100	100	100	100	100	100	80
29	132033	72	88	72	72	90	100	100	100	100	100	100	100	70
30	132016	96	96	92	76	96	100	100	100	100	100	100	100	90
31	132050	96	72	84	76	92	100	100	100	100	100	100	100	80
32	132012	88	88	80	68	88	100	100	100	100	100	100	100	100
33	132069	92	76	56	44	92	90	100	100	0	100	100	100	70
34	132054	88	84	60	76	88	90	100	100	100	0	100	100	80
35	132052	76	84	68	64	76	90	100	100	0	100	100	100	80
36	132063	64	36	56	48	64	90	100	100	0	0	100	100	60
37	132060	92	76	36	68	92	90	100	100	100	0	100	100	50
38	132302	76	76	32	60	76	90	80	100	0	100	100	100	60
39	132051	88	80	60	68	88	100	100	100	100	100	100	100	70
40	132032	96	92	72	52	96	100	100	100	0	100	100	100	70
41	132065	80	28	48	60	80	90	100	100	0	100	100	100	50
42	132071	80	48	72	12	80	90	100	100	0	100	100	100	50
43	132023	96	88	88	92	96	100	100	100	100	100	100	100	80
44	132026	92	88	76	88	92	100	100	100	100	100	100	100	80
45	132025	92	92	76	52	92	100	100	100	0	100	100	100	70

46	132046	92	88	80	84	92	90	100	100	100	100	100	0	90
47	132035	92	92	84	64	92	90	100	100	100	100	100	100	80
48	132013	88	88	0	48	88	90	80	100	0	100	0	100	70
49	132010	84	84	88	72	84	90	80	100	100	100	100	100	80
50	132020	96	96	80	72	96	100	100	100	100	100	100	100	70
51	132015	84	88	76	56	84	80	90	100	100	100	100	100	80
52	132004	72	88	80	84	88	100	100	100	100	100	100	100	80
53	132005	96	96	80	76	88	100	100	100	100	100	100	100	80
54	132028	92	88	76	76	88	100	100	100	100	100	100	100	70
55	132031	88	76	84	84	84	100	100	100	0	100	0	100	70
56	132057	88	88	80	80	88	100	100	100	100	100	100	100	70
57	132056	92	96	84	76	88	80	90	100	0	100	100	100	70
58	132036	96	92	80	84	92	100	100	100	100	100	100	100	80
59	132312	92	96	60	84	88	80	100	100	0	100	100	100	70
60	132021	100	96	84	84	a	80	80	100	100	0	100	100	80
61	132001	92	92	84	88	88	100	100	100	100	100	100	100	70
62	132311	72	68	40	60	64	90	80	100	0	100	100	100	0
63	132072	52	16	52	20	36	100	100	100	100	100	100	100	0
64	132024	96	72	92	80	88	100	100	100	100	100	100	100	70
65	132068	88	80	88	80	64	100	100	100	100	100	100	100	60
66	132101	92	92	92	84	72	100	100	100	100	100	100	100	90
67	132029	96	100	88	44	76	100	100	100	100	100	100	100	70
68	132042	100	92	80	64	68	100	100	100	100	100	100	100	70
69	132049	60	40	44	28	48	100	100	100	100	100	100	100	60
70	132037	92	72	92	64	76	100	100	100	100	100	100	100	90
71	132006	100	88	84	60	92	100	100	100	100	100	100	100	80
72	132047	84	88	80	68	92	100	100	100	100	100	100	100	80
73	132059	100	92	96	76	88	100	100	100	100	100	100	100	80
74	132055	84	56	52	48	20	100	100	100	100	100	100	100	50
75	132105	80	48	96	76	88	100	100	100	100	100	100	100	60
76	132301	68	48	84	76	40	100	100	100	100	100	100	100	60
77	132048	92	68	72	44	92	100	100	100	100	100	100	100	70
78	132304	68	100	64	64	96	100	100	100	100	100	100	100	80
79	132108	88	52	68	40	88	100	100	100	100	100	100	100	60
80	132017	92	88	96	92	100	100	100	100	100	100	100	100	100
81	132307	60	56	68	32	64	100	100	100	100	100	100	100	70
82	132002	80	92	92	96	100	100	100	100	100	100	100	100	80
83	132009	100	92	88	84	96	100	100	100	100	100	100	100	90
84	132102	88	92	96	84	96	100	100	100	100	100	100	100	90
85	132022	84	88	96	80	88	100	100	100	100	100	100	100	90
86	132019	100	92	92	80	86	100	100	100	100	100	100	100	90
87	132039	100	92	100	84	92	100	100	100	100	100	100	100	90
88	132034	84	100	88	60	92	100	100	100	100	100	100	100	90
89	132107	68	68	68	56	40	100	100	100	100	100	100	100	70
90	132309	80	76	84	84	96	100	100	100	100	100	100	100	90
91	132106	100	84	80	64	88	100	100	100	100	100	100	100	80
92	132030	92	80	92	80	96	100	100	100	100	100	100	100	90
93	132308	64	76	88	72	96	100	100	100	100	100	100	100	80
94	142912	48	52	64	60	90	100	100	100	100	100	100	100	80
95	142915	80	52	88	52	90	100	100	100	100	100	100	100	50
96	142917	28	8	52	52	90	100	100	100	100	100	100	100	50

97	142913	32	20	84	56	96	100	100	100	100	100	100	100	70
98	142920	52	48	24	44	90	100	0	0	100	100	100	100	0
99	142926	16	12	16	40	92	0	90	0	100	100	100	100	50
100	142904	22	32	52	72	92	100	100	100	100	100	100	100	60
101	142927	24	28	32	56	92	100	90	100	100	100	100	100	50
102	142921	52	64	62	56	90	100	100	100	100	100	100	100	50
103	142916	60	40	32	16	64	90	100	100	0	0	100	100	0
104	142924	76	72	56	52	84	100	100	100	0	0	100	100	60
105	142922	48	60	68	56	88	90	80	100	0	100	100	100	70
106	142908	88	88	84	84	88	90	80	100	100	100	100	100	70
107	142909	80	68	60	28	80	80	100	100	0	100	100	100	50
108	142919	88	76	72	72	84	90	100	100	0	100	0	100	70
109	142902	88	88	56	48	80	100	100	100	0	100	100	100	60
110	142931	64	60	36	20	84	100	100	100	0	100	100	100	60
111	142907	88	72	68	64	76	90	100	100	0	100	0	100	60
112	142925	80	16	64	64	40	90	80	100	0	0	100	100	50
113	142933	60	40	a	a	72	100	100	100	100	100	100	100	50
114	142914	96	64	52	56	68	100	100	100	100	100	100	100	60
115	142901	52	64	96	64	88	100	100	100	100	100	100	100	70
116	142911	88	92	84	64	80	100	100	100	100	100	100	100	80
117	142910	88	56	48	56	60	100	100	100	100	100	100	100	60
118	142918	68	72	84	60	80	100	100	100	100	100	100	100	60
119	142903	36	16	8	16	44	100	100	100	100	100	100	100	0
120	142923	48	36	24	48	88	100	100	100	100	100	100	100	60
121	142401	68	36	72	48	96	100	100	100	100	100	100	100	70

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO4	S1 CO3	S2 CO4	Q1 CO3	Q2 CO4	AU
	83.33	**74.17**	**76.47**	**67.23**	**94.17**	**99.17**	**99.17**	**96.69**	**81.82**	**93.39**	**95.87**	**98.35**	**93.39**
Level	**3**	**2**	**2**	**1**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

Survey:

Survey	**C311.1**	**C311.2**	**C311.3**	**C311.4**	C311.5
Obtained Percentage	90.57	87.95	88.04	87.34	87.13
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C311:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C311.1	3	3	-	-		3	3	3	**3**	3
C311.2	2	3	-	-		2.3	3	2.72	**3**	2.78
C311.3	2	-	3	3		2.2	3	2.68	**3**	2.74
C311.4	1	3	3	3		1.8	3	2.52	**3**	2.62
C311.5	3	-	-	-		3	3	3	**3**	3
C311										**2.83**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C311.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C311.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C311.3	AU Exam	[0.8*Internal Test + 0.1*Seminar + 0.1*Quiz]
C311.4	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.1*Seminar + 0.1*Quiz]
C311.5	AU Exam	[1*Internal Test]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C311 = \frac{C311.1 + C311.2 + C311.3 + C311.4 + C311.5}{5} = 2.83$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6602: Embedded Systems-C312
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignment					
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	AU
1	132044	76	88	88	94	96	90	90	90	90	90	80
2	132104	96	92	99	97	96	90	90	90	90	90	80
3	132064	24	24	58	70	36	80	70	90	90	80	50
4	132305	24	24	28	36	32	80	70	90	80	80	70
5	132313	80	52	50	70	60	80	70	90	90	90	50
6	132061	80	84	100	94	64	90	90	100	90	90	60
7	132103	56	48	88	84	84	90	90	90	90	90	70
8	132306	84	80	90	94	72	90	90	90	90	90	90
9	132070	28	52	40	80	24	80	70	90	90	90	0
10	132053	62	82	76	84	60	80	90	90	90	90	70
11	132062	52	48	50	62	52	80	80	90	80	90	60
12	132011	88	96	90	94	80	90	90	90	90	90	70
13	132027	68	68	88	92	60	90	90	90	90	90	70
14	132303	80	88	A	A	76	90	90	90	90	90	80
15	132014	56	44	90	90	50	90	80	90	80	90	60
16	132043	92	96	92	96	72	90	90	90	90	90	80
17	132310	28	68	50	70	50	80	90	90	80	90	50
18	132041	72	40	86	90	76	80	80	90	90	90	60
19	132007	80	96	96	92	68	90	90	90	90	90	80
20	132058	96	92	96	96	80	90	90	90	90	90	70
21	132003	96	96	96	92	84	90	80	90	90	90	80
22	132066	40	52	50	50	36	90	80	90	80	90	0
23	132073	92	88	88	92	96	80	90	90	90	90	80
24	132067	28	72	76	43	50	90	80	90	90	90	70
25	132045	64	84	A	A	50	80	90	90	90	90	70
26	132008	36	56	46	54	50	90	80	90	90	90	60
27	132040	96	92	92	88	96	90	90	90	90	90	80
28	132018	48	52	82	94	50	90	80	90	90	90	70
29	132033	84	68	60	68	60	90	90	90	80	90	50
30	132016	92	96	96	92	96	90	90	90	90	80	80
31	132050	36	64	90	98	68	80	90	90	80	90	70
32	132012	96	76	A	A	96	100	100	100	100	100	80
33	132069	80	80	96	88	70	100	100	100	100	100	70
34	132054	80	64	96	96	92	100	90	100	100	100	60
35	132052	96	76	96	96	96	100	100	100	100	100	70
36	132063	68	68	80	80	96	100	90	100	100	100	50
37	132060	78	78	96	76	80	100	90	100	100	100	80
38	132302	96	88	98	92	96	90	90	100	100	100	60
39	132051	80	80	80	80	96	100	100	100	100	100	70
40	132032	96	76	84	76	96	100	100	100	100	100	70
41	132065	70	70	96	96	96	100	100	100	100	100	70
42	132071	28	28	80	84	70	100	90	90	100	100	0
43	132023	96	84	96	96	96	100	100	90	100	100	80
44	132026	96	96	96	96	96	100	90	90	100	100	80
45	132025	68	68	96	96	96	100	100	100	100	100	60

46	132046	96	96	96	96	96	100	100	100	100	100	80
47	132035	96	96	96	96	96	100	100	100	100	100	80
48	132013	74	74	96	96	96	90	90	100	100	100	80
49	132010	94	94	96	96	96	100	100	100	100	100	70
50	132020	96	96	96	96	96	100	90	90	100	100	70
51	132015	96	84	96	96	96	100	90	90	100	100	70
52	132004	82	82	76	96	96	90	90	100	100	100	70
53	132005	82	82	76	92	96	100	100	100	100	100	70
54	132028	84	84	96	96	96	100	100	100	100	100	70
55	132031	96	88	96	92	96	100	90	100	100	100	80
56	132057	96	92	96	96	96	100	90	100	100	100	70
57	132056	86	86	96	92	94	90	90	100	100	100	80
58	132036	96	96	96	96	96	100	100	100	100	100	70
59	132312	96	96	96	96	96	90	90	100	100	100	70
60	132021	96	96	96	96	96	90	90	100	100	100	70
61	132001	96	96	96	96	96	100	100	90	100	100	70
62	132311	84	84	69	32	88	90	100	100	100	100	0
63	132072	16	12	8	56	90	70	90	90	100	100	0
64	132024	92	64	92	92	96	80	95	100	100	100	70
65	132068	76	68	96	88	96	70	90	100	100	100	90
66	132101	80	48	96	80	96	70	90	100	100	100	90
67	132029	48	68	92	80	92	70	90	100	100	100	60
68	132042	64	48	72	84	90	60	90	100	100	100	60
69	132049	32	12	76	68	90	70	90	100	100	100	50
70	132037	84	60	96	96	96	70	90	100	100	100	80
71	132006	88	56	96	88	96	80	100	100	100	100	80
72	132047	68	80	96	96	96	70	100	100	100	100	80
73	132059	72	84	96	76	92	70	90	100	100	100	70
74	132055	44	44	44	A	80	70	90	100	100	100	60
75	132105	48	64	96	88	96	70	90	100	100	100	70
76	132301	84	44	72	48	80	70	90	100	100	100	50
77	132048	76	56	84	96	96	70	100	100	100	100	60
78	132304	92	72	96	96	96	70	100	100	100	100	90
79	132108	72	40	72	84	92	80	90	100	100	100	70
80	132017	80	80	96	96	96	90	100	100	100	100	90
81	132307	48	80	80	56	80	80	90	100	100	100	50
82	132002	84	64	92	92	96	90	100	100	100	100	60
83	132009	84	68	84	92	92	70	90	100	100	100	70
84	132102	A	A	96	96	96	70	100	100	100	100	90
85	132022	88	52	96	96	96	80	90	90	100	100	80
86	132019	80	76	96	92	96	90	100	90	100	100	80
87	132039	92	72	96	100	98	70	100	90	100	100	70
88	132034	92	68	80	76	90	70	90	90	100	100	60
89	132107	76	44	80	84	92	70	90	90	100	100	70
90	132309	84	68	96	84	96	90	90	90	100	100	80
91	132106	92	72	92	84	92	70	90	90	100	100	80
92	132030	84	48	84	88	92	90	100	100	100	100	70
93	132308	76	76	72	80	90	80	90	90	100	100	70
94	142912	60	32	82	90	50	90	80	90	90	80	60
95	142915	48	52	60	80	50	90	80	90	90	90	50
96	142917	12	12	40	32	50	80	90	90	90	90	0

97	142913	40	48	48	52	52	90	80	90	80	90	80
98	142920	16	12	8	12	56	80	80	90	90	90	50
99	142926	8	8	40	4	50	80	80	90	80	90	0
100	142904	48	72	50	80	32	80	90	90	90	90	0
101	142927	5	24	52	48	50	90	80	90	80	90	0
102	142921	56	24	68	50	60	80	80	90	90	90	50
103	142916	40	60	66	0	90	90	100	100	100	100	0
104	142924	72	72	86	68	56	100	100	100	100	100	50
105	142922	30	50	80	64	96	90	100	100	100	100	50
106	142908	90	90	96	96	96	100	100	100	100	100	70
107	142909	52	52	96	80	84	100	100	100	100	100	50
108	142919	66	66	96	84	72	100	100	100	100	100	90
109	142902	82	82	96	96	96	100	100	100	100	100	70
110	142931	50	34	68	40	80	100	100	100	100	100	60
111	142907	72	72	96	96	84	100	100	100	100	100	50
112	142925	10	30	40	0	60	100	100	100	100	100	50
113	142933	24	44	44	0	72	70	90	90	100	100	50
114	142914	68	72	96	96	96	80	90	90	100	100	70
115	142901	64	56	96	96	96	70	100	90	100	100	90
116	142911	48	56	96	96	96	90	100	90	100	100	90
117	142910	84	40	96	76	92	80	90	90	100	100	60
118	142918	88	84	84	84	92	70	90	90	100	100	90
119	142903	16	8	40	40	70	20	90	90	100	100	50
120	142923	56	24	80	80	92	70	90	90	100	100	70
121	142401	84	40	96	96	96	80	90	90	100	100	70

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	AU
	70	**64.17**	**83.9**	**83.76**	**83.47**	**79.34**	**96.69**	**100**	**100**	**100**	**91.74**
Level	**2**	**1**	**3**	**3**	**3**	**2**	**3**	**3**	**3**	**3**	**3**

Survey:

Survey	**C312.1**	**C312.2**	**C312.3**	**C312.4**	C312.5
Obtained Percentage	89.2	87.15	87.81	86.88	86.73
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C312:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C312.1	2	2	-	-		2	3	2.6	**3**	2.68
C312.2	1	3	-	-		1.6	3	2.44	**3**	2.55
C312.3	3	3	-	-		3	3	3	**3**	3
C312.4	3	-	3	-		3	3	3	**3**	3
C312.5	3	-	-	3		3	3	3	**3**	3
C312										**2.85**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C312.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C312.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C312.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C312.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]
C312.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C312 = \frac{C312.1 + C312.2 + C312.3 + C312.4 + C312.5}{5} = 2.85$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6603: Power System Operation and Control-C313

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignment								
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO4	S1 CO5	Q1 CO5	T1 CO1	T2 CO2	T3 CO4	AU
1	132044	60	72	44	100	76	100	100	90	90	100	90	90	90	8
2	132104	76	64	64	96	76	100	100	90	90	100	90	100	90	8
3	132064	12	0	0	0	16	90	80	70	70	70	80	80	90	8
4	132305	16	0	4	0	36	0	80	70	70	70	90	90	90	6
5	132313	52	48	52	68	50	100	90	80	80	70	100	90	90	7
6	132061	68	76	28	80	52	100	100	90	90	90	90	90	90	7
7	132103	72	28	44	64	68	90	100	90	100	100	80	90	90	6
8	132306	95	64	80	80	72	90	100	90	100	100	80	100	90	7
9	132070	40	60	4	48	8	100	80	70	70	70	80	80	90	A
10	132053	64	40	24	40	56	100	90	90	80	80	100	90	90	7
11	132062	48	52	44	84	56	100	100	90	90	100	80	90	90	7
12	132011	96	68	72	96	72	100	100	90	90	100	100	90	90	8
13	132027	96	60	56	100	64	100	100	90	90	100	80	90	90	7
14	132303	84	64	32	40	76	100	100	90	90	100	100	90	90	8
15	132014	92	40	4	48	36	100	100	80	90	90	80	90	90	5
16	132043	88	88	96	92	92	100	100	90	90	100	100	100	90	9
17	132310	8	32	12	88	16	100	90	80	80	80	80	80	90	7
18	132041	16	8	16	72	50	70	90	80	80	80	80	80	90	7
19	132007	84	76	60	88	76	100	100	90	90	100	100	90	90	7
20	132058	72	64	60	84	64	100	100	90	90	100	80	90	90	9
21	132003	88	92	80	68	84	100	100	90	90	100	100	100	90	9
22	132066	16	40	20	56	20	100	90	70	70	70	80	80	90	A
23	132073	92	88	84	76	84	90	100	90	90	100	100	100	90	8
24	132067	8	8	28	72	68	100	90	80	80	80	90	90	90	6
25	132045	56	64	4	40	84	100	90	80	80	90	90	90	90	8
26	132008	16	44	56	44	52	100	90	80	70	80	90	90	90	5
27	132040	80	80	80	96	88	90	100	90	90	100	80	90	90	10
28	132018	72	48	36	64	52	100	90	80	80	90	80	90	90	6
29	132033	84	60	44	76	56	100	100	80	80	80	100	90	90	7
30	132016	80	80	92	96	96	90	100	100	100	100	100	100	90	9
31	132050	72	80	80	100	88	90	100	90	80	90	100	100	90	7
32	132012	86	90	90	98	88	90	90	90	90	90	90	90	90	8
33	132069	48	28	80	60	88	90	90	90	90	90	90	90	90	6
34	132054	50	50	62	62	80	90	90	90	80	80	90	90	90	6
35	132052	80	84	75	75	80	90	90	90	90	90	90	90	90	7
36	132063	24	24	30	50	70	90	90	90	80	80	90	90	90	6
37	132060	40	30	44	44	69	90	90	80	80	80	90	90	90	7
38	132302	34	34	2	10	55	0	80	90	80	80	60	90	90	5
39	132051	74	60	75	91	93	90	80	80	90	90	90	90	90	7
40	132032	40	38	70	82	88	90	90	80	90	90	90	90	90	7
41	132065	45	45	30	22	60	90	80	80	80	80	90	90	90	5
42	132071	A	A	10	4	65	90	70	90	80	80	60	90	90	5
43	132023	60	96	90	90	95	90	90	90	90	90	80	90	90	8
44	132026	80	72	75	89	94	90	90	90	90	90	90	90	90	6
45	132025	65	76	56	50	70	90	90	90	80	80	80	90	90	5

46	132046	84	80	87	75	96	90	90	90	90	90	80	90	90	8
47	132035	72	58	92	92	94	90	90	90	90	90	90	90	90	7
48	132013	60	66	56	50	70	90	80	90	80	80	60	90	90	7
49	132010	75	66	90	86	94	90	90	80	80	80	90	90	80	7
50	132020	68	68	75	75	90	90	90	90	90	90	90	90	90	8
51	132015	70	56	74	70	90	90	80	90	80	80	90	90	80	6
52	132004	82	56	55	47	68	0	80	90	90	90	90	90	80	8
53	132005	68	68	80	76	92	90	90	90	90	90	90	90	80	7
54	132028	76	76	70	72	90	90	90	90	90	90	90	90	90	7
55	132031	72	64	80	96	94	90	90	90	90	90	90	90	90	9
56	132057	100	94	90	90	95	90	90	90	90	90	90	90	80	9
57	132056	80	80	80	70	85	0	70	90	80	80	80	90	90	8
58	132036	96	98	90	96	90	90	90	90	90	90	90	90	90	9
59	132312	80	72	96	96	98	90	80	90	80	80	90	90	90	8
60	132021	99	82	90	94	94	90	80	90	80	80	90	90	90	8
61	132001	76	76	90	92	94	90	90	90	90	90	90	90	90	9
62	132311	20	62	35	47	60	90	80	90	80	80	90	90	90	6
63	132072	36	0	10	14	58	0	50	90	90	90	100	70	100	
64	132024	72	68	72	96	56	100	100	90	100	100	100	90	100	8
65	132068	52	48	40	56	50	100	90	90	100	100	100	90	100	7
66	132101	64	76	68	68	20	100	90	90	100	100	100	90	100	6
67	132029	40	80	76	64	56	100	100	90	100	100	100	90	100	5
68	132042	28	48	64	40	64	100	100	90	100	100	100	90	100	7
69	132049	48	52	10	14	40	100	100	90	100	100	100	90	100	7
70	132037	68	56	72	64	68	100	100	100	90	90	100	90	100	8
71	132006	72	60	72	80	92	100	100	100	100	100	100	90	100	8
72	132047	68	76	68	84	84	100	100	100	100	100	100	90	100	9
73	132059	80	80	A	A	56	100	100	100	100	100	100	90	100	8
74	132055	64	12	36	24	60	100	80	100	100	100	100	90	100	7
75	132105	56	52	48	60	32	100	80	100	100	100	100	90	100	8
76	132301	56	44	76	36	68	100	80	100	100	100	100	90	100	8
77	132048	52	44	68	76	82	100	80	100	100	100	100	90	100	8
78	132304	76	88	96	72	92	100	80	100	100	100	100	90	100	9
79	132108	44	32	36	64	50	100	80	100	90	90	100	90	100	5
80	132017	80	76	92	72	86	100	100	100	90	90	100	90	100	10
81	132307	84	64	80	80	70	100	100	100	100	100	100	90	100	5
82	132002	92	52	68	68	78	100	100	100	100	100	100	90	100	8
83	132009	80	84	92	84	72	100	70	100	100	100	100	80	100	6
84	132102	88	64	96	92	86	100	100	100	100	100	100	90	100	7
85	132022	72	56	84	75	80	100	100	100	100	100	100	90	100	8
86	132019	84	68	88	88	92	100	100	100	100	100	100	90	100	8
87	132039	75	68	80	92	84	100	100	100	100	100	100	90	100	9
88	132034	76	60	68	88	8	100	100	100	100	100	100	90	100	8
89	132107	52	20	56	44	36	100	100	100	100	100	100	90	100	8
90	132309	56	56	60	40	88	100	100	100	100	100	100	90	100	7
91	132106	48	24	52	48	16	100	100	100	100	100	100	90	100	7
92	132030	76	64	68	84	84	100	100	100	100	100	100	90	100	6
93	132308	74	64	84	84	60	100	80	100	100	100	100	90	100	6
94	142912	4	20	68	60	60	70	90	80	80	80	80	80	80	6
95	142915	12	12	16	40	52	90	90	80	80	80	70	80	80	6
96	142917	10	10	44	0	64	100	90	80	70	70	70	80	80	5

97	142913	40	60	84	28	50	90	90	90	90	100	80	80	90	6
98	142920	60	40	A	A	28	80	90	80	80	80	80	80	80	
99	142926	8	4	16	16	36	70	90	70	60	60	80	80	70	
100	142904	4	8	32	44	50	80	90	80	80	80	80	80	80	7
101	142927	0	6	4	28	36	100	90	80	80	80	80	80	80	7
102	142921	28	16	16	96	52	100	90	90	80	90	80	80	90	7
103	142916	29	29	45	55	63	90	90	80	80	80	60	80	80	
104	142924	A	A	70	62	78	90	90	80	80	80	60	70	80	6
105	142922	50	50	32	40	60	0	80	90	80	80	60	80	90	7
106	142908	60	58	70	84	88	90	90	90	80	80	90	80	90	7
107	142909	36	36	44	44	60	90	90	90	80	80	90	80	90	7
108	142919	80	41	60	66	75	100	80	90	90	90	90	70	90	7
109	142902	30	30	50	70	75	90	90	90	80	80	70	70	90	6
110	142931	27	1	30	36	60	100	90	80	80	80	70	70	80	6
111	142907	30	42	70	74	78	100	80	80	90	90	90	70	80	6
112	142925	21	21	20	24	68	60	80	80	80	80	60	70	80	
113	142933	20	44	60	60	16	100	80	100	80	80	100	90	100	5
114	142914	48	20	40	32	40	100	100	100	100	100	100	90	100	7
115	142901	32	24	40	32	32	100	100	100	80	80	100	90	100	8
116	142911	68	64	44	76	76	100	100	100	80	80	100	90	100	7
117	142910	52	48	36	60	0	100	80	100	80	80	100	90	100	7
118	142918	64	60	36	52	36	100	80	90	80	80	100	90	100	7
119	142903	0	0	18	10	4	80	80	90	80	80	100	90	100	
120	142923	32	32	64	52	8	80	80	90	80	80	100	90	100	5
121	142401	72	48	44	72	52	100	100	100	100	100	100	90	100	7

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO4	S1 CO5	Q1 CO5	T1 CO1	T2 CO2	T3 CO4	AU
	56.3	**47.9**	**52.94**	**63.87**	**65.29**	**91.74**	**96.69**	**95.87**	**99.17**	**99.17**	**94.21**	**100**	**100**	**67.23**
Level	**2**	**1**	**3**	**3**	**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

Survey:

Survey	**C313.1**	**C313.2**	**C313.3**	**C313.4**	C313.5
Obtained Percentage	91.68	88.63	87.44	88.28	86.71
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C313:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C313.1	0	3	-	-	3	1.2	3	1.08	**3**	1.46
C313.2	0	3	-	-	3	1.2	3	1.08	**3**	1.46
C313.3	0	-	-	-	-	0	3	0.6	**3**	1.08
C313.4	1	3	-	-	3	1.8	3	1.32	**3**	1.66
C313.5	1	-	3	3	-	1.4	3	1.16	**3**	1.53
C313										**1.44**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C313.1	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C313.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C313.3	AU Exam	[1*Internal Test]
C313.4	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C313.5	AU Exam	[0.8*Internal Test + 0.1*Seminar + 0.1*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C313 = \frac{C313.1 + C313.2 + C313.3 + C313.4 + C313.5}{5} = 1.44$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6604: Design of Electrical Machines-C314

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignment								
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	T1 CO1	T21 CO2	T3 CO3	T4 CO4	T5 CO5	AU
1	132044	64	68	96	96	96	70	100	90	90	90	90	90	90	8
2	132104	60	84	100	96	96	90	90	90	90	80	80	90	90	8
3	132064	32	8	20	28	64	90	80	80	70	70	70	70	80	5
4	132305	28	0	A	A	88	80	70	60	90	80	80	70	90	7
5	132313	20	4	56	28	48	90	90	90	90	80	80	90	90	
6	132061	52	68	92	72	96	80	90	90	90	90	80	90	90	8
7	132103	60	80	76	92	92	80	90	90	90	90	80	90	90	9
8	132306	96	100	56	88	100	90	80	90	90	90	90	90	90	8
9	132070	40	28	40	12	40	60	70	60	80	80	80	80	80	
10	132053	36	64	64	0	80	90	90	90	90	80	90	80	90	7
11	132062	76	44	48	84	88	90	80	80	90	90	80	90	90	7
12	132011	76	92	100	100	96	90	90	90	90	90	90	90	90	9
13	132027	56	64	100	80	88	90	90	80	90	90	80	90	90	7
14	132303	72	28	100	80	96	90	90	90	90	80	80	90	90	8
15	132014	40	76	52	76	92	90	80	80	90	90	90	80	90	7
16	132043	100	100	100	92	96	90	90	90	90	90	90	90	90	9
17	132310	36	20	60	52	52	90	90	80	70	80	80	90	90	7
18	132041	68	32	56	60	96	80	70	80	80	90	80	80	90	8
19	132007	84	80	92	84	72	90	90	90	90	90	90	90	90	8
20	132058	76	60	96	92	96	80	90	80	90	90	80	90	90	8
21	132003	100	96	96	92	96	90	90	90	90	90	90	90	90	10
22	132066	44	24	44	52	60	80	80	70	90	80	80	90	90	
23	132073	80	96	36	72	96	90	80	90	90	90	90	80	90	7
24	132067	8	0	36	12	60	70	70	70	80	80	80	80	80	7
25	132045	60	52	24	4	92	90	80	90	90	90	90	80	90	8
26	132008	20	8	52	16	80	70	70	70	80	80	80	80	90	5
27	132040	84	84	60	84	96	90	90	90	90	90	90	90	90	7
28	132018	52	28	24	12	88	80	80	70	90	80	80	80	90	8
29	132033	60	48	68	72	92	80	90	90	90	90	90	90	90	8
30	132016	84	92	100	96	100	90	90	90	90	90	90	90	90	10
31	132050	84	80	88	64	92	90	90	90	90	90	90	90	90	6
32	132012	84	36	92	88	100	90	90	90	90	90	90	90	90	8
33	132069	52	48	76	72	80	90	80	80	90	90	80	90	90	5
34	132054	64	76	88	60	96	90	90	90	90	90	80	90	90	7
35	132052	48	88	80	84	100	90	80	80	90	90	80	90	90	8
36	132063	36	64	60	32	92	90	70	80	80	90	70	80	90	5
37	132060	76	60	60	60	92	90	90	80	90	90	90	90	90	7
38	132302	40	40	48	16	92	90	80	80	90	80	80	80	90	7
39	132051	64	80	76	84	100	90	90	90	90	90	90	90	90	8
40	132032	52	60	92	84	100	90	80	80	90	80	90	90	90	7
41	132065	52	48	64	32	92	90	90	80	90	90	90	80	90	7
42	132071	16	16	48	32	92	70	70	70	80	80	80	80	90	
43	132023	80	96	100	68	100	90	90	90	90	90	90	90	90	8
44	132026	56	92	92	80	96	90	80	80	90	90	90	90	90	9
45	132025	24	52	64	52	92	90	90	90	90	80	80	90	90	6

46	132046	76	72	92	92	100	90	90	90	90	90	90	90	90	8
47	132035	68	84	92	80	92	90	90	90	90	90	90	90	90	6
48	132013	24	4	44	40	80	70	70	80	90	80	80	80	90	8
49	132010	64	88	64	80	92	90	80	80	90	90	70	90	90	8
50	132020	68	84	88	72	96	90	90	90	90	90	90	90	90	9
51	132015	68	80	56	68	96	90	90	90	90	90	90	90	90	7
52	132004	52	76	76	48	96	80	90	80	90	90	90	90	90	8
53	132005	52	64	92	76	92	90	80	80	90	80	90	90	90	7
54	132028	40	88	92	80	96	90	90	90	90	90	90	90	90	8
55	132031	60	88	80	68	96	90	80	90	90	90	90	90	90	7
56	132057	84	96	92	88	100	80	90	90	90	90	90	90	90	8
57	132056	72	92	80	92	96	90	80	90	90	90	90	90	90	9
58	132036	100	96	100	80	92	90	90	90	90	90	90	90	90	9
59	132312	92	72	96	88	92	90	90	90	90	90	90	90	90	8
60	132021	84	96	68	92	96	90	90	80	90	90	90	90	90	8
61	132001	92	88	100	76	100	90	90	90	90	90	90	90	90	9
62	132311	16	44	56	60	80	90	70	70	80	80	80	90	90	6
63	132072	8	4	32	4	88	60	60	60	70	70	80	80	80	9
64	132024	80	84	68	92	88	90	90	90	90	90	90	90	90	9
65	132068	36	64	52	40	92	90	80	70	80	90	90	80	90	6
66	132101	36	68	A	A	92	90	80	80	80	80	80	80	80	8
67	132029	68	68	68	76	92	90	90	90	90	90	90	90	90	7
68	132042	88	12	40	32	88	90	80	70	90	80	80	80	90	7
69	132049	48	16	56	24	92	70	60	70	80	70	80	70	90	5
70	132037	88	56	92	80	92	90	90	90	90	90	90	90	90	8
71	132006	72	84	96	88	92	90	90	90	90	90	90	90	90	8
72	132047	88	96	76	68	92	90	90	90	90	90	90	90	90	7
73	132059	80	88	96	92	92	80	90	90	90	90	90	90	90	8
74	132055	40	24	44	48	92	90	70	80	80	80	80	80	90	
75	132105	84	32	64	52	92	80	80	80	90	80	90	80	90	8
76	132301	56	44	48	16	100	90	80	80	90	80	80	70	90	8
77	132048	52	52	92	84	92	90	80	90	90	90	90	90	90	5
78	132304	96	98	92	88	100	90	90	90	90	90	90	90	90	9
79	132108	52	48	48	60	88	90	80	80	90	80	80	80	90	8
80	132017	76	96	100	100	100	90	90	90	90	90	90	90	90	9
81	132307	50	54	64	48	92	80	90	80	80	80	90	80	90	5
82	132002	80	92	100	92	96	90	90	90	90	90	90	90	90	8
83	132009	72	84	72	88	88	80	90	90	90	90	90	90	90	8
84	132102	92	84	96	92	96	90	90	90	90	90	90	90	90	9
85	132022	60	84	100	92	A	90	80	90	90	90	90	90	80	8
86	132019	72	92	96	88	A	90	90	90	90	90	90	90	90	8
87	132039	80	96	96	92	100	90	90	90	90	90	90	90	90	9
88	132034	76	48	88	68	80	80	80	70	80	80	90	90	90	8
89	132107	48	52	44	48	72	70	70	80	90	90	80	80	90	7
90	132309	72	64	64	52	96	90	80	90	90	90	90	90	90	8
91	132106	40	12	60	40	80	80	60	80	80	70	90	80	90	7
92	132030	60	48	96	88	92	90	80	90	90	90	90	90	90	7
93	132308	84	84	48	80	84	90	90	90	90	90	90	90	90	7
94	142912	44	28	56	60	52	80	70	80	80	70	80	90	90	7
95	142915	48	8	24	16	60	80	90	90	90	80	90	80	90	
96	142917	16	0	24	0	80	70	60	70	80	70	80	80	90	

97	142913	48	8	56	76	84	80	70	70	90	80	90	90	90	7
98	142920	44	20	48	32	60	80	70	80	80	80	80	80	90	
99	142926	4	0	A	A	52	60	60	60	70	70	70	70	70	
100	142904	64	0	68	16	80	80	70	80	90	80	90	80	90	
101	142927	32	0	24	8	68	80	70	80	80	70	80	80	90	
102	142921	52	0	36	48	40	80	80	80	90	80	80	80	80	5
103	142916	44	28	32	12	80	90	80	90	80	80	80	80	90	
104	142924	56	48	48	60	84	80	80	80	90	80	80	90	90	7
105	142922	22	0	48	16	88	60	60	60	80	70	80	80	90	9
106	142908	84	88	84	88	92	80	80	90	90	90	90	90	90	7
107	142909	16	8	56	52	92	90	80	90	80	80	90	90	90	5
108	142919	56	52	68	80	96	90	90	90	90	90	90	90	90	7
109	142902	28	32	68	80	80	80	80	80	70	70	90	90	90	8
110	142931	32	4	40	40	92	90	80	90	80	80	80	90	90	5
111	142907	16	40	84	60	100	90	80	90	80	90	90	90	90	5
112	142925	12	4	16	0	56	70	80	70	80	80	80	80	90	
113	142933	16	12	60	8	72	80	80	80	80	80	80	80	80	5
114	142914	40	8	44	28	84	80	90	80	90	80	90	80	90	6
115	142901	36	40	68	52	92	90	80	90	90	90	90	90	90	7
116	142911	48	64	96	80	80	90	80	90	90	90	90	90	90	5
117	142910	52	24	52	56	64	90	80	90	90	90	90	90	90	6
118	142918	60	40	64	56	80	90	90	90	90	90	90	90	90	6
119	142903	4	0	20	0	80	70	60	70	70	70	80	70	90	
120	142923	8	0	28	52	92	60	70	60	80	80	80	80	90	8
121	142401	56	96	72	80	80	90	90	90	90	90	90	90	90	7

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	T1 CO1	T21 CO2	T3 CO3	T4 CO4	T5 CO5	AU
	47.93	**49.59**	**62.71**	**61.02**	**94.12**	**87.6**	**80.17**	**83.47**	**100**	**100**	**100**	**100**	**100**	**71.07**
Level	**0**	**0**	**1**	**1**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**2**

Survey:

Survey	**C314.1**	**C314.2**	**C314.3**	**C314.4**	C314.5
Obtained Percentage	93	93.71	94.5	93.1	92.66
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C314:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C314.1	0	3			3	1.2	2	1.68	**3**	1.94
C314.2	0	3			3	1.2	2	1.68	**3**	1.94
C314.3	1	3			3	1.8	2	1.92	**3**	2.14
C314.4	1	-			3	1.6	2	1.84	**3**	2.07
C314.5	3	-			3	3	2	2.4	**3**	2.52
C313										**2.12**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C314.1	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C314.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C314.3	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]
C314.4	AU Exam	[0.7*Internal Test + 0.3*Tutorial]
C314.5	AU Exam	[0.7*Internal Test + 0.3*Tutorial]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C314 = \frac{C314.1 + C314.2 + C314.3 + C314.4 + C314.5}{5} = 2.12$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6002: Power System Transients-C315E3
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignment					
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	AU
1	132044	84	88	96	96	96	100	100	100	90	90	80
2	132104	A	A	96	96	96	100	90	100	90	90	90
3	132064	40	0	24	0	A	80	80	90	80	80	50
4	132305	20	80	28	8	96	80	80	90	80	80	50
5	132313	80	56	32	0	60	80	80	90	90	90	50
6	132061	88	96	96	96	96	100	90	90	90	90	80
7	132103	96	96	96	96	72	80	90	100	80	80	50
8	132306	96	96	96	80	92	100	90	100	80	80	70
9	132070	20	0	A	A	A	80	80	90	80	80	-
10	132053	88	96	96	80	92	100	100	100	90	90	50
11	132062	80	80	88	88	92	90	90	100	90	90	80
12	132011	96	96	96	96	96	100	90	100	90	90	80
13	132027	88	96	96	88	94	100	90	100	90	90	70
14	132303	A	A	88	88	96	100	80	90	80	80	80
15	132014	80	80	72	68	90	90	80	90	90	90	60
16	132043	96	96	96	96	90	90	100	100	90	90	60
17	132310	76	64	96	88	72	90	80	90	90	90	70
18	132041	88	96	96	96	90	100	100	100	90	90	80
19	132007	88	96	96	96	90	100	100	100	80	80	70
20	132058	96	96	96	96	96	100	100	100	80	80	50
21	132003	96	96	96	96	90	100	100	100	90	90	80
22	132066	64	56	48	24	72	80	80	100	80	80	-
23	132073	A	A	96	96	92	80	80	100	90	90	80
24	132067	72	88	60	60	82	90	90	100	80	80	70
25	132045	80	84	56	44	88	80	90	100	80	80	70
26	132008	96	72	88	64	86	90	80	100	80	80	50
27	132040	96	96	96	96	96	80	100	100	90	90	70
28	132018	88	72	96	80	60	80	80	100	90	90	60
29	132033	96	84	96	96	92	90	90	90	90	90	50
30	132016	96	96	96	96	96	100	100	100	90	90	80
31	132050	88	96	96	96	96	90	90	100	90	90	50
32	132012	96	96	96	96	96	90	100	100	90	80	60
33	132069	80	96	96	96	90	90	100	100	90	80	60
34	132054	96	96	96	96	96	90	100	100	90	80	70
35	132052	96	96	96	96	94	100	100	100	90	80	80
36	132063	88	40	88	72	50	90	80	90	80	80	50
37	132060	64	64	72	80	96	90	80	90	80	80	60
38	132302	88	84	88	88	84	80	90	100	90	90	70
39	132051	96	96	96	88	86	100	100	100	90	90	60
40	132032	96	88	94	96	92	100	90	100	90	90	60
41	132065	88	64	96	72	92	90	80	90	80	80	70
42	132071	84	16	28	0	86	80	80	90	80	80	-
43	132023	96	96	92	96	90	100	100	100	90	80	60
44	132026	88	96	A	A	96	90	100	100	80	80	60
45	132025	88	88	88	56	86	90	100	100	80	80	50

46	132046	96	88	96	96	92	100	100	100	90	90	80
47	132035	96	96	96	96	92	100	100	100	90	90	90
48	132013	96	96	96	88	92	80	100	100	90	90	60
49	132010	88	96	96	96	96	90	100	100	90	90	50
50	132020	96	96	96	96	84	90	100	100	90	80	80
51	132015	96	96	96	96	90	80	100	100	90	80	70
52	132004	96	96	96	96	90	80	100	100	90	90	80
53	132005	88	96	96	96	88	90	100	100	90	80	70
54	132028	96	96	96	96	96	90	100	100	90	90	70
55	132031	96	96	92	92	92	90	100	100	90	90	70
56	132057	96	96	96	88	92	90	100	100	90	90	60
57	132056	96	92	96	96	92	80	100	100	90	90	70
58	132036	96	96	96	96	94	100	100	100	90	90	70
59	132312	96	88	96	80	92	100	100	100	80	80	60
60	132021	96	96	96	96	96	100	100	100	90	70	90
61	132001	96	88	96	96	96	90	100	100	90	80	80
62	132311	68	68	72	40	84	80	80	90	80	80	50
63	132072	32	20	60	28	75	90	90	90	90	90	50
64	132024	60	84	84	94	92	90	90	90	90	90	70
65	132068	90	94	98	92	96	90	90	90	90	90	60
66	132101	68	58	98	98	96	90	90	90	90	90	70
67	132029	78	70	96	84	94	90	90	90	90	90	70
68	132042	48	64	60	75	88	80	90	90	90	90	50
69	132049	16	2	52	28	70	90	90	90	90	90	70
70	132037	60	15	98	80	94	90	90	90	90	90	90
71	132006	94	94	98	98	98	90	90	90	90	90	80
72	132047	82	82	94	86	94	90	90	90	90	90	80
73	132059	84	80	98	92	96	90	90	90	90	90	80
74	132055	68	52	90	70	92	90	90	90	90	90	60
75	132105	76	56	90	94	92	90	90	90	90	90	70
76	132301	50	13	99	84	92	90	90	90	90	90	60
77	132048	77	80	98	94	97	90	90	90	90	90	80
78	132304	84	82	98	92	96	90	90	90	90	90	80
79	132108	A	A	98	88	91	90	90	90	90	90	60
80	132017	96	92	99	99	96	80	90	90	90	90	90
81	132307	50	50	96	84	92	80	90	90	90	90	50
82	132002	90	58	98	76	95	90	90	90	90	90	80
83	132009	70	72	96	88	95	90	90	90	90	90	80
84	132102	88	86	98	98	96	90	90	90	90	90	70
85	132022	92	92	96	98	98	90	90	90	90	90	70
86	132019	84	82	96	98	98	90	90	90	90	90	60
87	132039	76	66	A	A	98	90	90	90	90	90	60
88	132034	70	48	94	98	96	90	90	90	90	90	60
89	132107	13	13	98	68	92	90	90	90	90	90	50
90	132309	98	90	98	98	94	90	90	90	90	90	80
91	132106	65	65	96	30	88	90	90	90	90	90	70
92	132030	76	46	98	84	94	90	90	90	90	90	60
93	132308	76	34	94	92	97	90	90	90	90	90	70
94	142912	72	72	80	48	50	80	80	100	80	80	60
95	142915	88	72	88	48	62	90	80	90	80	80	50
96	142917	84	52	28	28	82	80	80	90	80	80	50

97	142913	72	72	96	96	72	80	80	90	90	90	70
98	142920	48	56	52	52	66	80	80	90	80	80	50
99	142926	8	64	A	A	76	80	80	90	80	80	60
100	142904	52	48	68	68	92	80	80	90	80	80	50
101	142927	48	56	56	60	76	80	80	90	80	80	50
102	142921	28	36	56	56	50	80	80	90	80	80	50
103	142916	68	48	48	16	90	80	80	90	80	80	-
104	142924	80	20	88	80	92	80	80	90	90	80	50
105	142922	64	36	72	28	90	80	80	90	80	80	60
106	142908	88	88	96	88	90	80	90	100	90	80	50
107	142909	52	48	48	8	76	80	80	90	80	80	50
108	142919	72	84	88	68	96	100	90	100	90	80	70
109	142902	88	72	80	40	90	80	80	90	80	80	60
110	142931	44	56	80	80	82	80	80	100	90	80	50
111	142907	96	80	88	56	96	100	90	100	80	80	70
112	142925	52	48	68	68	88	90	80	100	80	80	50
113	142933	46	46	89	68	88	90	90	90	90	90	50
114	142914	63	63	98	70	90	90	90	90	90	90	70
115	142901	98	94	95	96	94	90	90	90	90	90	80
116	142911	80	80	89	85	92	80	90	90	90	90	80
117	142910	44	18	70	62	80	80	90	90	90	90	70
118	142918	50	50	70	70	87	80	90	90	90	90	50
119	142903	8	12	44	29	60	80	90	90	90	90	-
120	142923	64	82	84	88	94	80	90	90	90	90	60
121	142401	58	46	85	87	94	90	90	90	90	90	70

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	Q1 CO5	AU
	81.2	**70.09**	**88.03**	**81.2**	**97.48**	**100**	**100**	**100**	**100**	**100**	**49.59**
Level	**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**0**

Survey:

Survey	**C315E3.1**	**C315E3.2**	**C315E3.3**	**C315E3.4**	C315E3.5
Obtained Percentage	91.78	92.2	91.86	90.72	91.42
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C315E3:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C315E3.1	3	3	-	-		3	0	1.2	**3**	1.56
C315E3.2	2	3	-	-		2.3	0	0.92	**3**	1.34
C315E3.3	3	3	-	-		3	0	1.2	**3**	1.56
C315E3.4	3	-	3	-		3	0	1.2	**3**	1.56
C315E3.5	3	-	-	3		3	0	1.2	**3**	1.56
C315E3										**1.52**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C314.1	AU Exam	[0.7*Internal Test + 0.3*Tutorial]
C314.2	AU Exam	[0.7*Internal Test + 0.3*Tutorial]
C314.3	AU Exam	[0.7*Internal Test + 0.3*Tutorial]
C314.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]
C314.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C315E3 = \frac{C315E3.1 + C315E3.2 + C315E3.3 + C315E3.4 + C315E3.5}{5} = 1.52$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6611: Power Electronics and Drives Lab-C316

Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044		80	90		80	90		90	85		87	83	92	80	85	10
2	132104		90	90		90	80		90	85		87	83	94	90	85	10
3	132064		80	85		80	90	92	80	80		83	83		85	85	10
4	132305		80	80		80	90		80	85	94	80	83		80	90	10
5	132313	94	80	85		80	90		80	90		80	87		80	85	9
6	132061		90	90		90	80		90	85		87	83	96	80	85	10
7	132103		80	85	92	80	90		80	85		80	87		80	85	10
8	132306		90	90		80	80		80	85		87	87	96	85	90	10
9	132070		80	85		80	80		80	80	92	80	87		80	85	A
10	132053		80	85		80	90	94	80	85		80	83		90	85	10
11	132062	92	80	80		80	90		80	80		80	80		80	80	10
12	132011		90	90		90	80		85	85		83	87	94	85	85	10
13	132027		80	90		90	80		85	85		83	83	94	90	90	10
14	132303		80	90		90	80		85	80	97	87	87		85	90	10
15	132014		80	90		80	90		80	80	94	87	83		85	90	10
16	132043		90	90		90	80		85	85		83	87	94	85	85	10
17	132310		80	90		80	90		85	80	94	87	83		85	90	8
18	132041		80	90		80	90		80	80	94	87	83		90	90	10
19	132007		90	90		90	90		85	90		87	90	94	80	90	10
20	132058		90	90		90	90		85	85		87	83	94	80	85	10
21	132003		90	90		80	90		90	85	94	90	87		90	85	10
22	132066		80	80		80	80		80	80		80	80	92	90	90	A
23	132073		90	100		80	100		85	90	92	87	87		85	85	10
24	132067		80	90		80	90		80	85		83	90	92	90	85	9
25	132045		80	90		90	90		80	85	95	87	90		90	85	10
26	132008		80	80		80	80		80	80		87	90	92	85	90	9
27	132040	94	80	80		80	80		85	80		90	90		90	90	10
28	132018		80	80		80	80		80	85		90	90	92	90	90	9
29	132033		85	90		80	80		85	80		90	87	92	85	90	9
30	132016		90	100		90	100	96	95	100		90	87		90	90	10
31	132050		85	80		90	80	96	85	85		90	90		85	85	9
32	132012		90	90		90	90		90	90		90	90	95	90	90	10
33	132069		90	90		90	90		90	90		90	90	96	90	90	10
34	132054		80	90		80	70		80	70		80	80	91	80	80	9
35	132052		90	90		90	90		90	90	97	90	90		90	90	10
36	132063		80	90		80	70		80	70	91	80	70		80	80	9
37	132060	94	80	90		80	80		80	80		80	80		80	80	10
38	132302		80	80		70	70		70	80		70	80	91	70	80	9
39	132051		90	90		90	90		90	90	97	90	90		90	90	10
40	132032		90	90		90	90	95	90	90		90	90		90	90	9
41	132065		80	80		80	70		80	80	92	80	70		80	80	9
42	132071		80	80		70	70		80	70		70	80	91	70	80	10
43	132023		90	90		90	90		90	90		90	90	97	90	90	10
44	132026	A	90	90		90	90		90	80		90	80		90	90	10
45	132025		80	90	95	80	90		80	90		80	80		80	90	9
46	132046		90	90		90	90	98	90	80		90	80		90	90	10

47	132035		90	90		90	90	97	90	80		90	90		90	90	10
48	132013		80	80		80	70		80	90	94	80	80		80	90	8
49	132010		90	80		90	90		90	90	95	90	80		90	80	10
50	132020		90	90		90	90	96	90	80		80	80		90	90	10
51	132015		90	90		90	90		80	90	96	90	90		90	90	10
52	132004		90	80		90	90		90	90	97	90	90		90	90	10
53	132005	96	90	80		90	90		90	90		90	90		90	90	10
54	132028		90	80		90	90		90	90		90	90	94	90	90	10
55	132031		90	80		90	90		90	90	97	90	90		90	90	10
56	132057	97	90	80		90	90		90	90		90	90		90	90	10
57	132056		80	90		80	60		80	70		80	80	95	80	90	10
58	132036		90	80	97	90	90		90	90		90	90		90	90	10
59	132312		90	90		80	70		90	80	97	80	80		90	90	10
60	132021		90	90		90	80	98	90	70		90	60		90	80	10
61	132001		90	90		90	90		90	90		90	90	97	90	90	10
62	132311	92	80	90		70	70		70	50		70	70		70	80	9
63	132072		70	60	90	80	70		70	60		70	73		70	70	9
64	132024	97	85	75		90	90		80	85		88	88		90	87	10
65	132068		80	60		70	70		75	60		72	70	90	74	61	9
66	132101		80	85		70	90		75	85		88	88	94	90	87	10
67	132029		80	70		80	80		85	85		84	82	90	87	79	10
68	132042		75	75		80	80	92	85	80		82	90		81	84	8
69	132049		75	65		70	70		75	60		74	66	90	75	63	8
70	132037		75	80		80	80		75	80		80	92	97	83	87	9
71	132006		80	90		90	90		80	80	95	82	90		85	85	10
72	132047		80	90		90	80		80	80	95	84	88		82	85	10
73	132059		85	90		80	90		85	100	95	84	90		84	92	10
74	132055		85	65		80	60		85	80	88	80	74		81	74	9
75	132105	94	80	85		90	80		80	80		82	86		84	81	9
76	132301		75	70		90	70	90	85	70		82	74		85	75	10
77	132048		80	75		90	60		80	90		82	88	94	81	84	10
78	132304		85	90		80	90		85	90	98	90	92		92	91	10
79	132108		85	80		90	60		75	75		80	76	95	81	75	9
80	132017		85	90		90	90		85	85		90	92	98	92	90	10
81	132307		95	80		90	80		85	85	90	84	86		84	87	8
82	132002		85	90		90	90		85	90		90	96	98	92	92	10
83	132009		85	80		80	80		85	95		82	92	98	85	87	10
84	132102		80	80		90	80		85	85	97	84	90		87	87	10
85	132022		80	85		90	80		85	95	96	84	90		87	88	10
86	132019		80	85		90	80		85	90	96	84	92		84	90	10
87	132039		80	75		90	70		85	85		84	96	96	85	87	10
88	132034		85	65		80	70		85	80	94	82	86		82	82	9
89	132107		80	70		90	70		85	75		82	78	90	85	74	8
90	132309		80	85		90	80		85	80		82	94	95	85	88	9
91	132106		80	70		70	80	95	75	80		74	88		72	81	9
92	132030		85	80		80	80		85	80		80	94	95	84	90	9
93	132308		80	80		80	70		80	80		78	94	92	78	84	10
94	142912		80	85		90	80		80	80		83	80	92	90	85	9
95	142915		80	85		80	80		80	80		87	80	92	85	85	10
96	142917		80	85		80	80	90	80	80		87	80		85	85	8
97	142913		80	95		80	80		80	85		87	90	92	85	90	10

98	142920		80	95		90	80		80	85	94	83	90		85	90	9
99	142926		80	90		80	80		80	80	94	83	90		90	90	8
100	142904		80	85	94	80	80		80	80		87	90		85	90	9
101	142927		80	85		80	80	92	80	80		83	90		85	90	9
102	142921	94	80	85		80	80		80	80		87	87		85	90	9
103	142916		80	50		70	40		70	50		70	50	91	70	60	9
104	142924		80	80		80	70		80	80		80	90	94	80	90	9
105	142922		80	60		80	60		80	60	96	80	60		80	80	9
106	142908		90	80		90	80		90	80	98	90	90		90	90	10
107	142909		80	70		80	60		70	60	92	80	90		80	80	9
108	142919		90	70		90	90	95	90	80		90	90		90	90	10
109	142902		80	80		80	80	92	80	80		80	90		80	90	10
110	142931		80	70		80	70		80	80		80	90	92	80	80	9
111	142907		90	80		90	90	96	90	80		90	90		90	90	9
112	142925		80	70		70	70		70	50		70	60	91	70	70	9
113	142933		75	70		80	70		75	70	90	82	82		77	78	8
114	142914		75	70		80	70		75	80	94	74	86		78	87	10
115	142901		85	90		90	80		85	85		82	92	98	87	90	10
116	142911	98	85	80		90	80		80	80		84	96		81	90	10
117	142910		75	70	90	80	70		75	80		84	84		81	81	8
118	142918		75	80		70	80	90	75	95		78	84		74	90	9
119	142903	90	75	60		70	70		75	70		74	76		74	77	8
120	142923		75	70		70	70		75	80		78	78	90	77	82	9
121	142401		75	80		70	80		80	80		74	90	95	77	85	10

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**AU**
	100	**100**	**80.17**	**100**	**100**	**74.38**	**100**	**100**	**84.12**	**100**	**100**	**86.78**	**100**	**100**	**90.08**	**90.76**
Level	**3**	**3**	**3**	**3**	**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

Survey:

Survey	**C316.1**	**C316.2**	**C316.3**	**C316.4**	**C316.5**
Obtained Percentage	89.59	88.47	89.18	88.28	88.4
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C316:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C316.1	3	3	3	3	3		3	3		3
C316.2	3	3	2	3	2.8		3	2.92		2.9
C316.3	3	3	3	3	3		3	3		3
C316.4	3	3	3	3	3		3	3		3
C316.5	3	3	3	3	3		3	3		3
C316										**2.99**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C316.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C316.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C316.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C316.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C316.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C316 = \frac{C316.1 + C316.2 + C316.3 + C316.4 + C316.5}{5} = 2.99$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6612: Microprocessors and Controllers Lab-C317

Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044	90	88	90		85	90		90	90	94	90	90		90	90	10
2	132104		85	90	96	90	90		90	90	92	90	90		90	90	10
3	132064	76	63	73		75	60		65	65	66	70	80		80	80	8
4	132305		68	73	72	70	65		70	82	76	70	90		70	90	8
5	132313	90	70	88		75	85		75	90	86	70	90		80	90	9
6	132061		80	90		80	90	94	85	90	86	90	90		90	90	10
7	132103	98	85	93		85	90		90	90		90	90	98	90	90	10
8	132306	97	88	93		80	85		90	90		90	90		90	90	10
9	132070		60	70	82	60	70	74	60	85		60	85		70	90	A
10	132053	86	80	88		85	85		80	90	90	80	90		80	90	10
11	132062		80	80	90	90	80		80	90	86	80	90		90	90	10
12	132011		85	90		90	90	95	90	90	95	90	90		90	90	10
13	132027	A	83	90		90	90		90	90		90	90		90	90	10
14	132303		88	90	98	90	90		90	90	86	90	90		90	90	10
15	132014	89	85	80		90	80		90	90	89	80	90		80	90	10
16	132043	99	90	90	99	90	90		90	90		90	90		90	90	10
17	132310	80	68	80		80	80		80	90	90	75	90		70	90	9
18	132041	91	73	83		80	90	91	75	90		80	90		70	90	10
19	132007	97	88	90		90	90	93	90	90		90	90		90	90	10
20	132058	99	88	90		90	90	99	90	90		90	90		90	90	10
21	132003	98	90	93	96	90	85		90	85		90	90		90	90	10
22	132066	70	68	80		70	80	74	75	85		70	90		70	80	
23	132073	98	85	88		90	90		90	90		85	90	94	90	90	10
24	132067	88	68	78		70	75		80	90	84	80	90		70	90	9
25	132045		68	80	90	65	85		75	90	86	80	90		80	90	9
26	132008	90	73	80		75	80		80	85	82	80	90		80	90	9
27	132040	A	85	88		85	90		90	90		90	90		90	90	10
28	132018	88	73	83		75	85		85	90	88	75	90		80	90	9
29	132033	9	80	88		80	90		80	90	86	80	90		80	90	10
30	132016	99	85	88		90	95		90	90		90	90		90	90	10
31	132050		83	88		80	90	94	85	90	90	85	90		80	90	10
32	132012		90	90		90	90		90	90		90	90	95	90	90	10
33	132069		90	90		90	90		90	90	90	90	90		90	90	10
34	132054	90	90	90		90	90		90	90		90	90		90	90	9
35	132052		90	90		90	90		90	90		90	90	95	90	90	10
36	132063	96	90	90		90	90		90	90		90	90		90	90	9
37	132060	90	90	90		90	90		90	90		90	90		90	90	9
38	132302		90	90		90	90		90	90		90	90	95	90	90	8
39	132051		90	90		90	90		90	90		90	90	95	90	90	10
40	132032		90	90		90	90		90	90		90	90	90	90	90	10
41	132065		90	90		90	90		90	90		90	90	90	90	90	8
42	132071		90	90		90	90		90	90		90	90	70	90	90	8
43	132023		90	90		90	90		90	90		90	90	90	90	90	10
44	132026		90	90		90	90		90	90		90	90		90	90	10
45	132025	85	90	90		90	90		90	90		90	90		90	90	10
46	132046		90	90	96	90	90		90	90		90	90		90	90	10

47	132035		90	90		90	90		90	90		90	90	95	90	90	10
48	132013		90	90		90	90		90	90		90	90	85	90	90	8
49	132010	90	90	90		90	90		90	90		90	90		90	90	9
50	132020	93	90	90		90	90		90	90		90	90		90	90	10
51	132015	95	90	90		90	90		90	90		90	90		90	90	10
52	132004		90	90		90	90		90	90	90	90	90		90	90	10
53	132005		90	90		90	90	85	90	90		90	90		90	90	9
54	132028		90	90	92	90	90		90	90		90	90		90	90	10
55	132031		90	90		90	90	90	90	90		90	90		90	90	10
56	132057	92	90	90		90	90		90	90		90	90		90	90	10
57	132056	90	90	90		90	90		90	90		90	90		90	90	9
58	132036	95	90	90		90	90		90	90		90	90		90	90	10
59	132312	96	90	90		90	90		90	90		90	90		90	90	10
60	132021		90	90		90	90	90	90	90		90	90		90	90	10
61	132001		90	90	95	90	90		90	90		90	90		90	90	10
62	132311	80	90	90		90	90		90	90		90	90		90	90	8
63	132072		50	50	50	50	50		50	50	50	50	50		50	50	7
64	132024	99	88	88		90	90	99	90	90		90	90		90	90	10
65	132068	60	58	58	60	60	60		70	70		50	50		50	50	8
66	132101	75	90	90		90	90		85	85	75	90	90		90	90	9
67	132029		90	85		90	90	90	85	85	90	85	85		90	90	10
68	132042		90	90		90	90		85	85	70	90	90	70	90	90	9
69	132049	60	55	55	60	80	80		50	50		50	50		70	70	7
70	132037	85	85	85		90	90		85	85	85	90	90		90	90	10
71	132006	95	85	85	95	90	90		90	90		90	90		90	90	10
72	132047	75	85	85		90	90	75	90	90		90	90		90	90	10
73	132059		88	88	80	90	90		85	85	80	90	90		90	90	10
74	132055		90	80	80	90	90		85	85	80	85	85		90	90	9
75	132105	96	90	80		90	90	96	85	85		90	90		90	90	10
76	132301	80	90	80	80	90	90		85	85		90	90		90	90	10
77	132048		80	85	96	90	90		90	90	96	90	90		90	90	10
78	132304	96	90	90		90	90	96	90	90	96	90	90	96	90	90	10
79	132108	90	90	88	90	90	90		85	85		90	90		90	90	10
80	132017		90	88	95	90	90		90	90	95	90	90		90	90	10
81	132307		90	90	96	90	90		85	85	96	85	85		90	90	10
82	132002	90	90	85	90	90	90		90	90		90	90		90	90	10
83	132009	96	90	85	96	90	90		90	90		90	90		90	90	10
84	132102		90	85	90	90	90		90	90	90	90	90		90	90	10
85	132022	90	90	85		90	90	90	85	85		90	90		90	90	10
86	132019	80	90	85		90	90		85	85	80	90	90		90	90	10
87	132039		80	80		90	90		85	85	88	90	90	88	80	80	10
88	132034	88	88	83		90	90	88	85	85		90	90		80	80	9
89	132107		75	75	80	90	90		85	85	80	90	90		90	90	8
90	132309		83	83	90	90	90		85	85	90	90	90		90	90	9
91	132106	80	90	85	80	90	90		90	90		90	90		90	90	9
92	132030	95	88	83		90	90		85	85	95	90	90		90	90	9
93	132308	90	90	80	90	90	90		85	85		90	90		90	90	10
94	142912		65	83	90	70	85		80	90	82	75	90		80	90	9
95	142915		80	85	92	75	85		85	90	88	85	90		80	90	9
96	142917		63	75	80	60	80		75	80	72	70	90		80	90	7
97	142913		85	85	92	85	90	92	85	90		90	90		90	90	10

98	142920		80	70		70	85	88	85	80	80	80	85		80	90	9
99	142926	A	65	63		60	60		65	65		70	85		60	80	7
100	142904	92	78	90		75	85		75	90	88	80	75		90	90	10
101	142927	86	65	83		80	85	86	70	95		70	90		60	90	9
102	142921	88	80	83		80	85		70	95	92	80	90		70	90	10
103	142916		90	90		90	90		90	90	92	90	90		90	90	7
104	142924		90	90	90	90	90		90	90		90	90		90	90	10
105	142922		90	90		90	90		90	90		90	90		90	90	9
106	142908		90	90		90	90		90	90	70	90	90	80	90	90	10
107	142909	90	90	90		90	90		90	90		90	90		90	90	9
108	142919	80	90	90		90	90		90	90		90	90		90	90	10
109	142902		90	90		90	90		90	90		90	90	90	90	90	10
110	142931		90	90		90	90		90	90		90	90		90	90	8
111	142907	90	90	90		90	90		90	90		90	90		90	90	10
112	142925	92	90	90		90	90		90	90		90	90		90	90	8
113	142933	96	80	75		80	75	96	90	90		90	90		90	90	8
114	142914		90	85	96	90	90		85	85	96	90	90		90	90	9
115	142901	96	88	83	96	90	90		85	85		90	90		90	90	9
116	142911		88	83	95	90	90		85	85	95	90	90		90	90	10
117	142910	96	90	85	95	90	90		85	85		90	90		90	90	8
118	142918		90	90	96	90	90		90	90	96	90	90		90	90	10
119	142903	60	70	70		90	90	60	70	70		55	55		90	90	7
120	142923	60	85	85	60	90	90		60	60		90	90		90	90	8
121	142401	96	90	85		90	90	96	85	85		90	90		90	90	10

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	AU
	86	88	89.26	87.5	95.04	93.39	83.33	95.04	94.21	85.42	95.87	95.87	88.24	96.69	97.52	83.19
Level	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	C317.1	C317.2	C317.3	C317.4	C317.5
Obtained Percentage	89.18	86.58	87.64	85.54	84.79
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C317:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C317.1	3	3	3	3	3		3	3		3
C317.2	3	3	3	3	3		3	3		3
C317.3	3	3	3	3	3		3	3		3
C317.4	3	3	3	3	3		3	3		3
C317.5	3	3	3	3	3		3	3		3
C317										**3s**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C317.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C317.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C317.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C317.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C317.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C317 = \frac{C317.1 + C317.2 + C317.3 + C317.4 + C317.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6613: Presentation Skills and Technical Seminar-C317

Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044	95	90	90	95	90	90	95	100	100	95	90	90	95	95	95	100
2	132104	96	80	80	96	80	80	96	90	90	96	80	80	96	96	96	100
3	132064	92	80	80	92	90	90	92	100	100	92	80	80	92	92	92	90
4	132305	92	80	80	92	90	90	92	100	100	92	80	80	92	92	92	100
5	132313	99	90	90	99	80	80	99	90	90	99	90	90	99	99	99	100
6	132061	97	90	90	97	90	90	97	100	100	97	90	90	97	97	97	100
7	132103	97	80	80	97	90	90	97	100	100	97	90	90	97	97	97	100
8	132306	93	90	90	93	90	90	93	100	100	93	90	90	93	93	93	100
9	132070	92	80	80	92	80	80	92	100	100	92	90	90	92	92	92	100
10	132053	93	80	80	93	80	80	93	100	100	93	90	90	93	93	93	100
11	132062	92	90	90	92	90	90	92	100	100	92	90	90	92	92	92	100
12	132011	95	90	90	95	90	90	95	100	100	95	90	90	95	95	95	100
13	132027	95	90	90	95	90	90	95	100	100	95	90	90	95	95	95	100
14	132303	95	90	90	95	90	90	95	100	100	95	90	90	95	95	95	100
15	132014	96	80	80	96	90	90	96	100	100	96	90	90	96	96	96	100
16	132043	92	90	90	92	90	90	92	100	100	92	90	90	92	92	92	100
17	132310	95	80	80	95	90	90	95	100	100	95	90	90	95	95	95	100
18	132041	95	80	80	95	80	80	95	100	100	95	90	90	95	95	95	100
19	132007	96	90	90	96	90	90	96	100	100	96	90	90	96	96	96	100
20	132058	97	80	80	97	90	90	97	100	100	97	90	90	97	97	97	100
21	132003	98	90	90	98	90	90	98	100	100	98	90	90	98	98	98	100
22	132066	98	80	80	98	90	90	98	100	100	98	90	90	98	98	98	100
23	132073	95	100	100	95	100	100	95	90	90	95	90	90	95	95	95	100
24	132067	96	80	80	96	70	70	96	90	90	96	90	90	96	96	96	100
25	132045	97	90	90	97	90	90	97	90	90	97	90	90	97	97	97	100
26	132008	97	80	80	97	80	80	97	80	80	97	90	90	97	97	97	100
27	132040	98	90	90	98	100	100	98	90	90	98	90	90	98	98	98	100
28	132018	98	90	90	98	90	90	98	90	90	98	90	90	98	98	98	100
29	132033	97	90	90	97	90	90	97	90	90	97	90	90	97	97	97	90
30	132016	98	90	90	98	90	90	98	90	90	98	90	90	98	98	98	100
31	132050	95	90	90	95	90	90	95	90	90	95	90	90	95	99	99	100
32	132012	94	90	90	94	92	92	94	94	94	94	90	90	94	90	90	100
33	132069	94	88	88	94	86	86	94	94	94	94	90	90	94	90	90	100
34	132054	88	86	86	88	80	80	88	88	88	88	90	90	88	90	90	100
35	132052	92	88	88	92	90	90	92	92	92	92	90	90	92	90	90	100
36	132063	92	70	70	92	80	80	92	92	92	92	90	90	92	90	90	100
37	132060	92	86	86	92	84	84	92	92	92	92	90	90	92	90	90	100
38	132302	84	80	80	84	82	82	84	84	84	84	90	90	84	90	90	100
39	132051	92	90	90	92	94	94	92	92	92	92	90	90	92	90	90	100
40	132032	90	92	92	90	90	90	90	90	90	90	90	90	90	90	90	100
41	132065	92	88	88	92	94	94	92	92	92	92	90	90	92	90	90	100
42	132071	94	90	90	94	90	90	94	94	94	94	90	90	94	90	90	100
43	132023	96	96	96	96	94	94	96	96	96	96	90	90	96	90	90	100
44	132026	94	92	92	94	92	92	94	94	94	94	90	90	94	90	90	100
45	132025	92	90	90	92	92	92	92	92	92	92	90	90	92	90	90	100
46	132046	94	92	92	94	94	94	94	94	94	94	90	90	94	90	90	100

47	132035	94	92	92	94	90	90	94	94	94	94	90	90	94	90	90	100
48	132013	92	80	80	92	88	88	92	92	92	92	90	90	92	90	90	100
49	132010	94	92	92	94	92	92	94	94	94	94	90	90	94	90	90	100
50	132020	94	90	90	94	92	92	94	94	94	94	90	90	94	90	90	100
51	132015	94	92	92	94	96	96	94	94	94	94	90	90	94	90	90	100
52	132004	96	94	94	96	92	92	96	96	96	96	90	90	96	90	90	100
53	132005	94	92	92	94	94	94	94	92	92	94	90	90	94	90	90	100
54	132028	96	92	92	96	90	90	96	94	94	96	90	90	96	90	90	100
55	132031	96	90	90	96	92	92	96	94	94	96	90	90	96	90	90	100
56	132057	93	88	88	93	94	94	93	92	92	93	90	90	93	90	90	100
57	132056	96	90	90	96	92	92	96	88	88	96	90	90	96	90	90	100
58	132036	96	94	94	96	96	96	96	96	96	96	90	90	96	90	90	100
59	132312	96	92	92	96	94	94	96	94	94	96	90	90	96	90	90	100
60	132021	96	96	96	96	96	96	96	96	96	96	90	90	96	90	90	100
61	132001	96	92	92	96	94	94	96	96	96	96	90	90	96	90	90	100
62	132311	95	90	90	95	92	92	95	94	94	95	90	90	95	90	90	100
63	132072	94	94	94	94	93	93	94	95	95	94	92	92	94	90	90	100
64	132024	94	95	95	94	96	96	94	94	94	94	96	96	94	90	90	100
65	132068	93	94	94	93	95	95	93	92	92	93	93	93	93	90	90	100
66	132101	93	94	94	93	96	96	93	95	95	93	93	93	93	90	90	100
67	132029	92	92	92	92	94	94	92	93	93	92	92	92	92	90	90	100
68	132042	92	94	94	92	96	96	92	95	95	92	92	92	92	90	90	100
69	132049	95	93	93	95	92	92	95	93	93	95	95	95	95	90	90	100
70	132037	96	96	96	96	96	96	96	95	95	96	96	96	96	90	90	100
71	132006	96	96	96	96	96	96	96	95	95	96	96	96	96	90	90	100
72	132047	94	96	96	94	95	95	94	95	95	94	94	94	94	90	90	100
73	132059	93	92	92	93	94	94	93	91	91	93	93	93	93	90	90	100
74	132055	93	92	92	93	94	94	93	93	93	93	93	93	93	90	90	100
75	132105	95	93	93	95	96	96	95	94	94	95	95	95	95	90	90	100
76	132301	96	94	94	96	96	96	96	94	94	96	96	96	96	90	90	100
77	132048	96	94	94	96	96	96	96	95	95	96	96	96	96	90	90	100
78	132304	96	94	94	96	96	96	96	95	95	96	96	96	96	90	90	100
79	132108	93	93	93	93	96	96	93	95	95	93	93	93	93	90	90	100
80	132017	96	95	95	96	96	96	96	95	95	96	96	96	96	90	90	100
81	132307	96	94	94	96	96	96	96	94	94	96	96	96	96	90	90	100
82	132002	96	94	94	96	96	96	96	95	95	96	96	96	96	90	90	100
83	132009	96	94	94	96	96	96	96	95	95	96	96	96	96	90	90	100
84	132102	96	94	94	96	96	96	96	95	95	96	95	95	96	90	90	100
85	132022	96	94	94	96	96	96	96	95	95	96	96	96	96	90	90	100
86	132019	94	93	93	94	95	95	94	93	93	94	94	94	94	90	90	100
87	132039	93	94	94	93	92	92	93	95	95	93	93	93	93	90	90	100
88	132034	92	91	91	92	94	94	92	93	93	92	92	92	92	90	90	100
89	132107	93	94	94	93	96	96	93	94	94	93	93	93	93	90	90	100
90	132309	93	94	94	93	96	96	93	92	92	93	93	93	93	90	90	100
91	132106	93	94	94	93	96	96	93	92	92	93	93	93	93	90	90	100
92	132030	95	94	94	95	96	96	95	95	95	95	95	95	95	90	90	100
93	132308	95	90	90	95	90	90	95	90	90	95	90	90	95	90	90	100
94	142912	95	90	90	95	80	80	95	90	90	95	90	90	95	95	95	100
95	142915	97	90	90	97	90	90	97	100	100	97	90	90	97	97	97	100
96	142917	97	90	90	97	90	90	97	90	90	97	90	90	97	97	97	100
97	142913	97	90	90	97	100	100	97	100	100	97	90	90	97	97	97	100

98	142920	97	80	80	97	80	80	97	80	80	97	90	90	97	97	97	90
99	142926	96	90	90	96	80	80	96	80	80	96	90	90	96	96	96	100
100	142904	96	90	90	96	80	80	96	90	90	96	90	90	96	96	96	100
101	142927	95	80	80	95	80	80	95	90	90	95	90	90	95	95	95	100
102	142921	96	80	80	96	80	80	96	80	80	96	90	90	96	96	96	100
103	142916	92	80	80	92	82	82	92	88	88	92	90	90	92	90	90	100
104	142924	91	84	84	91	88	88	91	92	92	91	90	90	91	90	90	100
105	142922	91	80	80	91	86	86	91	90	90	91	90	90	91	90	90	100
106	142908	96	88	88	96	84	84	96	92	92	96	90	90	96	90	90	100
107	142909	95	88	88	95	90	90	95	92	92	95	90	90	95	90	90	100
108	142919	91	90	90	91	94	94	91	92	92	91	90	90	91	90	90	100
109	142902	95	92	92	95	94	94	95	94	94	95	90	90	95	90	90	100
110	142931	93	80	80	93	88	88	93	90	90	93	90	90	93	70	90	100
111	142907	93	90	90	93	90	90	93	92	92	93	90	90	93	90	70	100
112	142925	91	80	80	91	84	84	91	88	88	91	90	90	91	90	70	100
113	142933	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	100
114	142914	92	90	90	92	90	90	92	90	90	92	90	90	92	90	70	100
115	142901	92	90	90	92	90	90	92	90	90	92	90	90	92	70	90	100
116	142911	90	90	90	90	90	90	90	90	90	90	90	90	90	70	90	100
117	142910	90	90	90	90	90	90	90	90	90	90	90	90	90	70	90	100
118	142918	92	90	90	92	90	90	92	90	90	92	90	90	92	70	90	100
119	142903	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	100
120	142923	96	90	90	96	90	90	96	90	90	96	90	90	96	90	90	100
121	142401	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	100

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	AU
	100	100	99.17	100	100	99.17	100	100	100	100	100	100	100	100	97.52	100
Level	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	C318.1	C318.2	C318.3	C318.4	C318.5
Obtained Percentage	91.66	89.49	89.86	89.26	90.75
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C318:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C318.1	3	3	3	3	3		3	3		3
C318.2	3	3	3	3	3		3	3		3
C318.3	3	3	3	3	3		3	3		3
C318.4	3	3	3	3	3		3	3		3
C318.5	3	3	3	3	3		3	3		3
C318										**3**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C318.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C318.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C318.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C318.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C318.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C318 = \frac{C318.1 + C318.2 + C318.3 + C318.4 + C318.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6701: High Voltage Engineering-C401

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignment							
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO2	A2 CO3	A3 CO4	S1 CO4	S2 CO5	Q1 CO4	Q2 CO5	AU
1	132044	88	84	80	80	88	90	90	90	90	90	90	70	80
2	132104	80	92	80	96	96	90	90	90	90	90	90	70	80
3	132064	64	48	76	84	60	70	80	70	70	80	70	70	60
4	132305	24	8	44	88	52	80	80	80	70	90	80	90	50
5	132313	64	88	76	36	40	80	80	80	70	80	80	90	0
6	132061	68	60	88	80	96	90	90	80	90	80	80	90	80
7	132103	88	64	96	92	A	90	90	90	90	90	90	60	80
8	132306	68	60	81	80	92	90	90	90	90	90	90	80	70
9	132070	20	48	24	64	40	60	70	60	60	70	80	80	0
10	132053	80	80	12	28	88	90	90	80	80	80	90	90	70
11	132062	68	72	56	68	84	90	90	90	80	90	90	90	70
12	132011	96	76	88	96	96	90	90	90	90	90	90	90	80
13	132027	88	76	80	96	92	90	90	90	90	80	80	90	80
14	132303	80	84	80	96	A	90	90	90	90	90	90	90	80
15	132014	84	76	76	60	96	90	90	90	90	90	90	80	70
16	132043	96	92	84	96	92	90	90	90	90	90	90	80	70
17	132310	70	50	48	40	76	80	90	80	80	70	80	90	70
18	132041	60	52	44	24	88	90	80	90	80	90	80	80	70
19	132007	76	84	76	96	88	90	90	90	90	80	80	90	80
20	132058	88	88	92	72	96	90	90	90	80	80	90	80	80
21	132003	92	96	96	96	40	90	80	90	90	90	80	90	90
22	132073	88	92	96	96	96	90	90	90	90	100	80	90	80
23	132067	40	60	76	48	60	80	80	90	80	90	80	80	50
24	132045	80	84	76	96	72	90	90	90	80	90	90	90	70
25	132008	4	68	52	56	44	90	80	90	80	80	80	90	0
26	132040	92	72	84	84	92	90	90	90	90	90	90	90	90
27	132018	56	52	44	40	72	80	80	90	80	90	80	80	70
28	132033	56	64	72	68	68	90	80	90	90	90	80	90	70
29	132016	A	A	88	88	96	90	90	90	90	90	90	90	80
30	132050	84	92	88	84	92	90	90	90	90	90	90	90	80
31	142912	60	46	24	40	52	80	80	70	80	90	80	80	50
32	142915	44	8	40	20	76	80	80	80	80	70	80	80	50
33	142917	40	20	20	36	52	80	70	80	60	80	70	80	60
34	142913	60	68	52	48	80	90	90	90	90	80	90	90	50
35	142920	48	52	28	32	40	80	80	70	80	70	80	80	60
36	142926	30	22	32	48	52	80	70	70	70	80	70	80	50
37	142904	56	76	96	64	88	80	80	90	80	80	80	80	50
38	142927	56	48	40	20	52	80	80	80	80	90	80	80	0
39	142921	46	54	48	68	64	90	80	80	80	70	80	90	70
40	132012	A	A	80	76	62	70	90	90	70	80	60	60	80
41	132069	A	A	60	64	60	90	90	90	80	70	70	90	70
42	132054	72	68	68	96	70	70	90	90	70	80	80	70	80
43	132052	92	84	76	68	74	90	90	90	70	80	70	90	80
44	132063	60	40	56	48	50	90	90	90	70	80	80	90	70
45	132060	68	76	48	76	60	90	90	90	70	80	90	90	70

46	132302	60	56	68	76	50	80	80	90	80	90	70	80	70
47	132051	60	72	68	96	84	90	90	90	80	90	70	80	80
48	132032	60	80	60	60	86	90	90	90	70	80	80	70	70
49	132065	62	66	68	56	70	90	90	90	70	80	80	70	50
50	132071	72	48	56	64	40	90	90	90	90	90	80	80	50
51	132023	80	72	80	84	84	90	90	90	90	90	80	80	90
52	132026	74	90	76	60	80	90	90	70	80	80	90	70	90
53	132025	64	56	56	84	60	90	90	80	80	80	70	70	80
54	132046	A	A	56	72	72	90	90	80	80	80	70	90	70
55	132035	88	86	64	52	84	90	90	90	70	80	80	80	90
56	132013	64	72	52	72	86	90	80	70	70	80	70	90	70
57	132010	72	84	68	48	92	100	100	100	100	100	80	80	80
58	132020	76	64	80	52	75	90	80	90	80	70	70	80	80
59	132015	80	72	40	21	A	60	80	70	90	80	80	90	90
60	132004	60	76	60	40	60	50	70	80	80	70	80	90	80
61	132005	80	76	64	84	78	90	90	80	80	70	90	90	80
62	132028	62	80	84	76	80	70	90	80	90	90	80	80	80
63	132031	60	92	76	80	75	90	70	80	80	90	70	90	50
64	132057	74	86	72	80	92	90	80	80	90	80	80	80	80
65	132056	62	66	80	92	86	60	90	80	70	80	80	70	80
66	132036	78	86	88	76	92	90	90	80	80	80	90	70	80
67	132312	56	64	80	88	A	90	90	80	90	90	80	80	70
68	132021	84	90	84	76	A	70	70	80	90	90	90	80	70
69	132001	80	84	84	96	90	90	80	80	70	70	80	80	90
70	132311	48	40	28	48	40	70	70	80	70	70	70	80	50
71	142916	52	48	20	40	44	90	80	60	70	80	80	70	0
72	142924	64	68	A	A	50	70	80	90	70	70	80	80	60
73	142922	52	48	60	44	50	90	90	80	80	70	70	70	50
74	142908	82	74	64	92	84	90	80	90	90	90	90	80	80
75	142909	40	62	36	72	46	90	90	70	80	70	70	80	70
76	142919	70	78	48	72	60	70	80	90	70	70	70	70	70
77	142902	68	34	48	80	50	90	80	60	80	80	70	70	70
78	142931	40	66	64	40	50	70	90	80	80	80	80	70	70
79	142907	68	54	68	64	64	90	80	90	70	70	80	60	70
80	142925	44	20	12	28	40	60	90	60	70	70	60	60	0
81	132072	8	68	60	44	60	80	80	90	70	80	50	60	0
82	132024	89	70	84	80	70	90	100	90	90	80	70	80	80
83	132068	60	72	68	72	65	80	80	90	70	70	50	60	70
84	132101	60	72	88	80	80	90	90	80	80	80	60	70	80
85	132029	76	68	38	48	82	50	50	80	80	90	60	70	70
86	132042	60	64	30	40	70	50	80	90	90	90	70	80	60
87	132049	60	60	A	A	50	80	70	70	80	80	70	80	70
88	132037	58	86	80	55	85	90	80	70	80	90	80	70	80
89	132006	88	84	88	96	86	100	100	80	80	90	80	70	90
90	132047	64	80	80	92	85	80	100	80	80	90	70	80	80
91	132059	72	76	92	80	84	70	60	90	90	90	80	80	70
92	132055	70	74	12	14	60	50	70	90	90	90	90	70	70
93	132105	68	72	84	68	80	80	80	80	80	80	60	80	70
94	132301	74	58	32	16	60	70	80	80	80	80	70	80	70
95	132048	68	72	84	70	75	80	70	90	90	90	70	80	80
96	132304	88	92	56	92	82	90	100	90	90	80	80	60	80

97	132108	48	52	72	68	65	80	70	90	90	80	80	50	70
98	132017	90	94	96	88	94	80	80	90	90	80	80	80	90
99	132307	62	74	100	40	64	50	80	70	80	90	90	70	70
100	132002	84	92	88	84	90	100	90	70	80	90	90	70	70
101	132009	84	76	80	84	87	50	90	80	80	90	70	70	90
102	132102	78	84	64	88	72	90	60	80	80	90	80	70	80
103	132022	82	78	80	72	84	70	60	80	80	90	60	90	70
104	132019	80	86	88	84	86	100	100	70	70	90	70	90	90
105	132039	56	64	88	84	80	70	60	90	90	90	60	90	80
106	132034	68	68	76	84	74	90	80	90	90	80	60	80	80
107	132107	48	64	52	76	60	80	70	80	80	80	80	80	70
108	132309	74	80	76	64	85	100	100	90	90	90	80	80	70
109	132106	56	68	32	44	60	90	70	100	90	80	70	70	50
110	132030	82	82	88	76	81	90	60	80	90	90	80	70	70
111	132308	72	60	52	48	62	80	40	90	90	80	80	80	70
112	142401	66	74	80	68	72	50	50	90	90	80	90	60	50
113	142933	42	48	48	52	45	70	70	70	70	70	90	70	70
114	142914	56	48	56	60	50	80	90	80	80	90	70	60	70
115	142901	40	62	60	72	65	100	100	80	80	90	70	60	50
116	142911	68	58	52	68	64	90	90	80	80	80	70	70	70
117	142910	56	56	56	80	68	50	50	90	80	80	60	70	70
118	142918	74	56	80	68	66	70	60	90	80	80	70	60	50
119	142903	8	32	12	18	40	70	50	90	70	70	60	50	70
120	142923	53	65	30	32	60	70	50	90	80	80	70	50	80

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO2	A2 CO3	A3 CO4	S1 CO4	S2 CO5	Q1 CO4	Q2 CO5	AU
	72.41	**73.28**	**63.56**	**67.8**	**78.26**	**75.83**	**78.33**	**85**	**98.33**	**100**	**90**	**88.33**	**76.67**
Level	**2**	**2**	**1**	**1**	**2**	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**2**

Survey:

Survey	**C401.1**	**C401.2**	**C401.3**	**C401.4**	C401.5
Obtained Percentage	91.72	88.36	89.22	87.72	88.7
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C401:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C401.1	2	-	-	-		2	2	2	**3**	2.2
C401.2	2	2	-	-		2	2	2	**3**	2.2
C401.3	1	2	-	-		1.3	2	1.72	**3**	1.98
C401.4	1	3	3	3		1.8	2	1.92	**3**	2.14
C401.5	2	-	3	3		2.2	2	2.08	**3**	2.26
C401										**2.16**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C401.1	AU Exam	[1*Internal Test]
C401.2	AU Exam	[0.7*Internal Test + 0.3*Tutorial]
C401.3	AU Exam	[0.7*Internal Test + 0.3*Tutorial]
C401.4	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.1*Seminar + 0.1*Quiz]
C401.5	AU Exam	[0.8*Internal Test + 0.1*Seminar + 0.1*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C401 = \frac{C401.1 + C401.2 + C401.3 + C401.4 + C401.5}{5} = 2.16$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6702: Protection and Switchgear-C402
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test										
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO3	A2 CO5	S1 CO5	Q1 CO1	Q2 CO3	AU
1	132044	90	86	88	90	94	100	100	100	90	100	80
2	132104	94	82	98	94	76	100	90	9	9	A	70
3	132064	70	74	32	40	60	80	100	80	90	90	50
4	132305	24	44	40	36	32	80	100	70	90	80	0
5	132313	88	36	72	72	52	80	100	80	90	80	0
6	132061	76	64	82	92	90	100	90	90	90	100	60
7	132103	92	76	92	94	A	100	100	100	90	100	60
8	132306	96	88	78	66	92	100	90	100	90	100	70
9	132070	12	28	28	48	64	100	100	70	90	80	50
10	132053	84	60	54	86	88	100	10	80	90	80	70
11	132062	82	82	52	48	92	80	100	90	90	A	70
12	132011	94	70	96	96	92	100	100	100	100	100	70
13	132027	92	68	93	96	92	100	90	90	100	100	70
14	132303	86	82	92	90	A	100	90	80	100	100	80
15	132014	96	60	94	92	92	100	100	90	90	100	70
16	132043	96	92	96	96	96	90	100	100	100	100	80
17	132310	86	46	48	72	82	100	100	80	90	100	70
18	132041	76	56	40	72	64	80	100	90	90	100	50
19	132007	92	92	90	90	86	100	100	80	100	90	80
20	132058	88	72	88	94	92	100	80	90	100	A	70
21	132003	76	68	92	98	80	90	100	90	100	100	80
22	132073	96	56	92	96	92	100	100	100	100	100	70
23	132067	78	42	36	76	64	80	100	100	90	80	0
24	132045	94	86	32	0	88	80	100	80	90	90	0
25	132008	60	44	42	58	84	80	100	80	90	80	50
26	132040	100	80	84	92	92	80	90	100	90	100	70
27	132018	68	36	64	62	68	70	100	80	90	90	70
28	132033	60	72	84	92	90	100	100	80	100	100	70
29	132016	66	34	96	72	84	100	100	100	100	100	80
30	132050	94	78	72	92	90	100	90	100	100	100	70
31	142912	62	38	64	36	28	80	100	80	90	100	50
32	142915	72	54	36	84	80	100	100	90	90	90	70
33	142917	36	12	32	24	60	80	100	70	90	80	0
34	142913	74	34	60	84	86	100	100	90	90	80	50
35	142920	56	44	60	40	88	80	100	80	90	80	0
36	142926	28	24	48	52	60	100	100	70	90	80	0
37	142904	70	86	92	96	80	100	100	90	90	100	0
38	142927	42	34	80	88	82	100	100	80	90	100	0
39	142921	64	40	64	48	88	80	90	90	90	80	70
40	132012	A	A	96	96	96	90	90	90	90	90	70
41	132069	48	32	72	88	88	90	100	90	90	90	70
42	132054	88	84	84	96	92	90	90	90	90	90	80
43	132052	84	92	88	96	96	100	90	90	90	90	80
44	132063	76	72	69	41	96	90	90	90	90	80	70
45	132060	52	60	56	76	76	90	90	90	80	80	80

46	132302	60	52	68	80	80	90	100	100	90	90	60
47	132051	80	68	72	100	96	90	90	90	90	90	80
48	132032	72	84	96	88	96	90	90	90	90	90	90
49	132065	40	64	72	84	84	90	90	90	90	90	0
50	132071	44	52	50	52	96	90	90	100	80	90	50
51	132023	84	76	96	96	92	90	90	90	90	80	90
52	132026	88	80	96	92	96	90	90	90	90	90	70
53	132025	52	80	76	96	88	90	90	100	90	90	60
54	132046	A	A	88	96	92	90	100	90	100	90	80
55	132035	92	92	84	96	96	90	90	90	100	90	80
56	132013	84	72	80	72	96	90	100	90	80	90	70
57	132010	80	88	92	100	96	90	90	100	90	90	70
58	132020	92	88	96	96	96	90	90	90	90	100	80
59	132015	84	88	92	88	A	80	90	90	90	100	70
60	132004	64	72	92	92	96	80	90	100	90	100	80
61	132005	92	72	92	96	96	90	100	90	90	90	70
62	132028	76	80	84	92	96	90	100	90	90	90	60
63	132031	96	80	96	92	96	90	90	90	100	90	70
64	132057	96	96	92	92	96	90	90	90	100	90	80
65	132056	76	80	100	96	96	90	90	100	90	100	80
66	132036	84	80	92	92	96	90	90	100	90	100	80
67	132312	72	72	96	92	A	90	100	100	80	90	70
68	132021	80	84	96	96	A	90	90	90	90	90	80
69	132001	96	92	100	96	96	90	90	90	90	90	90
70	132311	76	52	40	82	88	90	90	100	70	80	50
71	142916	40	44	48	60	64	90	90	90	70	80	50
72	142924	56	32	A	A	88	90	80	90	70	70	70
73	142922	36	40	40	76	72	90	80	90	60	80	70
74	142908	88	80	96	100	96	90	80	80	80	90	80
75	142909	56	32	44	84	76	90	90	90	80	90	80
76	142919	72	72	84	96	96	90	80	90	80	90	90
77	142902	44	40	80	92	72	90	80	90	90	80	50
78	142931	52	52	64	76	68	80	70	90	90	90	70
79	142907	64	56	100	96	84	90	80	80	90	90	70
80	142925	40	24	36	28	52	90	80	80	80	80	0
81	132072	28	40	0	88	80	70	90	80	60	70	0
82	132024	60	88	92	88	99	70	90	100	60	70	70
83	132068	88	72	80	88	99	80	90	80	50	80	70
84	132101	84	72	92	72	99	90	90	90	50	80	80
85	132029	76	76	76	88	99	80	80	80	60	70	70
86	132042	88	48	78	84	98	90	90	80	80	60	50
87	132049	56	56	28	72	80	60	70	60	60	60	60
88	132037	92	60	76	76	93	80	80	90	70	90	70
89	132006	92	76	84	88	99	90	90	80	99	90	80
90	132047	72	72	72	92	99	80	90	90	99	80	80
91	132059	92	76	76	96	99	80	90	90	50	80	80
92	132055	88	64	56	48	86	80	90	80	50	80	50
93	132105	88	76	76	80	94	80	80	80	50	80	70
94	132301	88	76	88	52	93	90	90	90	50	80	70
95	132048	88	76	76	100	99	60	70	70	50	90	70
96	132304	96	92	96	84	99	90	100	100	99	90	90

97	132108	36	48	52	84	90	80	90	100	99	80	60
98	132017	92	88	A	A	99	60	70	70	50	80	80
99	132307	80	72	76	92	99	70	80	80	50	80	70
100	132002	76	80	72	92	99	90	100	90	50	80	60
101	132009	92	88	84	88	99	90	90	90	70	70	80
102	132102	92	92	96	96	99	90	90	80	99	90	90
103	132022	84	76	80	92	99	100	90	100	50	70	70
104	132019	88	80	80	92	99	100	100	100	99	90	70
105	132039	88	92	80	100	99	100	90	100	99	90	90
106	132034	76	88	84	92	99	80	80	90	80	60	70
107	132107	80	60	72	68	92	70	90	80	80	60	80
108	132309	80	75	76	100	99	80	80	90	50	70	80
109	132106	64	64	44	72	90	70	90	90	80	60	70
110	132030	84	92	88	96	99	80	80	90	50	70	80
111	132308	92	72	60	56	96	80	90	80	70	90	70
112	142401	92	80	68	96	95	80	80	80	80	90	50
113	142933	52	24	48	44	80	70	90	80	50	70	70
114	142914	72	32	60	84	92	80	90	90	A	70	50
115	142901	50	50	36	80	93	80	90	90	50	70	60
116	142911	56	60	80	80	98	90	80	80	99	90	50
117	142910	88	44	4	80	86	80	80	80	80	80	50
118	142918	86	74	60	76	89	80	80	80	50	70	0
119	142903	8	16	8	20	80	70	70	70	50	70	70
120	142923	68	36	48	64	85	80	80	80	50	70	70

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO3	A2 CO5	S1 CO5	Q1 CO1	Q2 CO3	AU
	78.81	**66.1**	**74.58**	**83.9**	**96.52**	**90.83**	**95**	**98.33**	**79.83**	**95.73**	**68.33**
Level	**2**	**1**	**2**	**3**	**3**	**3**	**3**	**3**	**2**	**3**	**1**

Survey:

Survey	**C402.1**	**C402.2**	**C402.3**	**C402.4**	C402.5
Obtained Percentage	90.32	89.23	89.35	87.18	89.29
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C402:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C402.1	2	-	-	2		2	1	1.4	**3**	1.72
C402.2	1	-	-	-		1	1	1	**3**	1.4
C402.3	2	3	-	3		2.3	1	1.52	**3**	1.82
C402.4	3	-	-	-		3	1	1.8	**3**	2.04
C402.5	3	3	3	-		3	1	1.8	**3**	2.04
C402										**1.8**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C401.1	AU Exam	[0.7*Internal Test + 0.3*Quiz]
C401.2	AU Exam	[1*Internal Test]
C401.3	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]
C401.4	AU Exam	[1*Internal Test]
C401.5	AU Exam	[0.7*Internal Test + 0.2*Assignment+ 0.1*Seminar]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C402 = \frac{C402.1 + C402.2 + C402.3 + C402.4 + C402.5}{5} = 1.8$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6703: Special Electrical Machines-C403
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignemnt			Seminar		Quiz	
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO3	S2 CO5	Q1 CO2	AU
1	132044	84	72	92	84	92	95	90	90	95	90	95	80
2	132104	88	72	96	80	92	95	90	90	90	90	90	80
3	132064	40	0	76	52	44	90	0	80	85	90	85	50
4	132305	24	80	20	28	40	90	80	0	90	90	90	60
5	132313	68	60	68	52	40	90	90	90	95	95	95	0
6	132061	88	96	96	80	0	95	90	90	90	90	90	50
7	132103	80	64	76	84	0	90	90	90	90	85	90	70
8	132306	84	80	88	88	88	90	90	90	90	90	90	80
9	132070	72	40	28	24	56	90	0	90	85	90	85	0
10	132053	84	56	92	76	80	90	90	90	80	95	80	60
11	132062	76	64	68	68	80	90	90	90	90	95	90	90
12	132011	80	80	88	76	88	95	90	90	95	90	95	90
13	132027	84	60	82	88	80	95	90	90	95	90	95	60
14	132303	92	88	84	80	0	95	90	90	90	95	90	90
15	132014	80	84	68	68	80	90	90	90	90	95	90	80
16	132043	92	84	88	72	92	95	90	90	95	95	95	100
17	132310	76	44	84	64	52	90	90	90	95	90	95	60
18	132041	72	56	76	80	80	90	90	90	90	85	90	70
19	132007	84	88	0	0	80	95	90	90	85	85	85	80
20	132058	84	96	92	84	80	95	90	90	80	95	80	80
21	132003	80	96	84	88	80	95	90	90	95	90	95	90
22	132073	92	80	92	96	92	90	90	90	95	90	95	80
23	132067	72	32	52	36	64	90	90	0	95	95	95	60
24	132045	96	84	68	52	72	90	90	80	95	90	95	80
25	132008	60	52	80	40	64	90	90	0	90	90	90	70
26	132040	88	96	88	80	88	90	90	90	90	90	90	80
27	132018	84	88	72	72	80	90	0	90	90	85	90	80
28	132033	84	80	92	84	72	95	90	90	80	85	80	70
29	132016	92	72	88	84	88	90	90	90	85	90	85	90
30	132050	72	88	84	80	88	95	90	90	85	90	85	80
31	142912	50	50	44	60	56	90	90	0	90	90	90	60
32	142915	32	64	96	64	64	90	90	80	95	95	95	50
33	142917	24	0	36	24	52	90	80	80	85	95	85	0
34	142913	56	68	56	64	80	90	90	90	90	90	90	60
35	142920	72	60	48	72	80	90	90	0	95	85	95	0
36	142926	24	24	20	4	64	90	90	80	90	85	90	0
37	142904	16	8	92	60	80	90	90	90	90	85	90	0
38	142927	68	52	44	60	64	90	90	90	80	85	80	50
39	142921	60	60	84	68	72	90	90	90	90	85	90	60
40	132012	100	84	96	96	96	100	100	100	90	90	100	80
41	132069	80	68	96	88	64	100	100	100	80	80	100	0
42	132054	88	64	84	88	76	90	90	90	80	80	90	90
43	132052	88	84	100	84	88	100	100	100	90	90	100	90
44	132063	56	64	88	80	72	90	90	100	80	80	80	50
45	132060	60	84	84	72	84	90	90	90	80	80	100	60

46	132302	80	76	100	80	68	90	100	100	90	90	100	80
47	132051	80	80	80	80	68	100	100	100	90	80	100	80
48	132032	84	80	80	80	88	100	90	90	90	80	90	70
49	132065	64	56	88	94	60	90	90	90	70	80	100	70
50	132071	60	84	96	88	64	90	100	100	70	80	80	0
51	132023	88	88	96	84	100	100	100	100	100	90	100	70
52	132026	96	92	100	84	98	100	100	100	100	100	100	70
53	132025	68	72	84	76	80	90	100	100	90	80	100	80
54	132046	92	96	96	84	88	100	100	100	90	90	100	90
55	132035	92	92	100	88	88	100	100	100	90	90	80	80
56	132013	60	80	84	96	80	90	90	90	80	80	80	80
57	132010	100	84	96	72	72	100	100	100	90	90	100	80
58	132020	88	88	96	84	96	100	90	90	100	90	100	90
59	132015	92	88	84	76	AA	90	100	90	80	80	90	80
60	132004	88	64	72	84	80	100	100	100	90	90	100	90
61	132005	88	76	96	84	84	100	100	100	90	80	100	80
62	132028	88	92	88	92	80	100	100	100	90	90	90	60
63	132031	92	96	100	92	96	100	100	100	100	90	100	80
64	132057	88	88	96	96	100	100	100	100	90	80	100	90
65	132056	84	72	88	88	88	90	90	90	90	90	90	90
66	132036	100	96	96	88	100	100	100	100	100	100	100	90
67	132312	84	64	100	80	AA	90	90	90	90	100	90	80
68	132021	96	88	100	84	AA	100	100	100	100	100	100	90
69	132001	96	92	100	96	100	100	100	100	100	100	100	80
70	132311	40	52	60	56	60	90	90	90	80	90	80	50
71	142916	60	48	60	68	62	90	90	90	60	80	90	50
72	142924	72	64	84	72	64	90	90	90	70	80	80	70
73	142922	64	64	96	44	60	90	90	100	60	80	90	50
74	142908	92	100	96	80	84	100	100	90	80	90	90	70
75	142909	68	60	80	80	60	90	90	90	80	70	90	50
76	142919	72	72	88	60	84	90	90	90	80	90	80	70
77	142902	64	52	88	76	64	90	90	90	80	90	90	50
78	142931	72	72	84	80	68	90	90	90	80	80	90	80
79	142907	80	80	AA	AA	72	90	90	90	80	80	90	70
80	142925	76	56	72	28	60	90	90	90	70	80	90	0
81	132072	72	60	A	A	64	80	85	86	95	85	95	0
82	132024	60	96	88	84	80	90	90	90	90	85	90	70
83	132068	84	96	60	38	64	90	88	84	90	95	95	50
84	132101	92	68	88	80	80	90	88	90	90	90	90	80
85	132029	72	72	52	80	84	90	87	90	90	95	90	70
86	132042	72	72	80	68	80	90	86	95	90	90	90	70
87	132049	76	52	64	60	48	80	88	82	95	85	90	60
88	132037	88	76	84	72	88	90	90	96	95	85	90	80
89	132006	88	80	96	84	92	95	90	90	95	85	95	90
90	132047	80	80	84	72	84	95	90	95	90	90	95	90
91	132059	92	68	76	68	68	90	86	96	95	85	95	80
92	132055	68	56	68	48	72	95	88	96	95	85	95	70
93	132105	80	72	84	80	60	90	88	90	90	90	90	90
94	132301	88	72	64	56	80	90	88	86	90	85	90	60
95	132048	92	92	72	68	84	90	90	86	95	85	95	90
96	132304	96	88	88	76	96	90	90	95	95	90	95	80

97	132108	80	72	92	60	64	90	86	88	95	85	95	60
98	132017	96	96	92	84	84	95	90	95	90	85	90	90
99	132307	56	72	80	56	72	90	88	95	95	85	90	50
100	132002	96	88	96	84	92	95	90	86	90	90	90	70
101	132009	80	96	88	84	80	90	88	96	90	95	90	90
102	132102	80	96	92	88	92	90	90	96	95	90	90	90
103	132022	80	72	88	60	80	90	90	86	90	85	90	90
104	132019	92	84	92	88	92	90	90	95	95	85	95	90
105	132039	76	96	92	84	92	90	90	96	95	90	90	80
106	132034	80	48	88	80	64	95	86	94	90	85	90	70
107	132107	84	52	64	56	80	90	88	84	90	90	90	50
108	132309	96	82	80	80	96	90	90	96	95	85	95	80
109	132106	80	96	68	56	72	90	85	96	90	95	95	70
110	132030	96	92	88	84	92	95	90	95	98	95	90	80
111	132308	84	92	80	56	72	90	86	82	90	90	90	70
112	142401	80	72	80	84	84	92	86	94	90	90	95	50
113	142933	60	48	80	80	76	90	86	80	95	90	90	50
114	142914	60	44	76	68	80	80	90	96	95	90	80	60
115	142901	72	52	96	88	84	90	90	96	95	95	80	80
116	142911	84	68	84	60	92	90	90	95	95	85	85	70
117	142910	64	72	76	44	76	90	86	95	90	75	85	80
118	142918	72	56	68	64	80	90	90	95	80	75	80	0
119	142903	48	20	28	36	62	80	86	82	85	70	80	80
120	142923	64	40	56	44	62	90	86	88	80	70	80	90

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO3	S2 CO5	Q1 CO2	AU
	90	**77.5**	**88.24**	**79.83**	**88.33**	**100**	**97.5**	**95.83**	**98.33**	**100**	**100**	**66.67**
Level	**3**	**2**	**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**1**

Survey:

Survey	**C403.1**	**C403.2**	**C403.3**	**C403.4**	C403.5
Obtained Percentage	92.2	92.6	91.05	91.25	88.87
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C403:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C403.1	3	3	-	-		3	1	1.8	**3**	2.04
C403.2	2	3	-	3		2.3	1	1.52	**3**	1.82
C403.3	3	3	3	-		3	1	1.8	**3**	2.04
C403.4	2	-	-	-		2	1	1.4	**3**	1.72
C403.5	3	-	3	-		3	1	1.8	**3**	2.04
C403										**1.93**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C403.1	AU Exam	[0.7*Internal Test + 0.3*Quiz]
C403.2	AU Exam	[0.7*Internal Test + 0.2*Assignemt + 0.1*Quiz]
C403.3	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Seminar]
C403.4	AU Exam	[1*Internal Test]
C403.5	AU Exam	[0.8*Internal Test + 0.2*Seminar]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C403 = \frac{C403.1 + C403.2 + C403.3 + C403.4 + C403.5}{5} = 1.93$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: MG6851: Principles of Management-C404
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignemnt			Seminar		Quiz		
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO3	S2 CO5	Q1 CO2	Q2 CO	AU
1	132044	88	88	88	88	88	100	100	100	90	80	80	90	100
2	132104	92	88	88	98	76	100	100	100	80	80	90	80	90
3	132064	84	64	68	A	60	100	100	100	90	90	80	90	60
4	132305	36	60	88	58	64	100	100	100	80	90	90	80	60
5	132313	76	76	60	66	40	100	100	100	90	90	80	90	50
6	132061	88	84	88	88	80	100	100	100	90	80	80	90	90
7	132103	88	76	84	84	A	100	100	100	80	80	90	80	60
8	132306	92	92	90	90	84	100	100	100	90	90	80	90	80
9	132070	68	60	56	58	56	100	100	100	90	90	80	90	0
10	132053	92	88	68	84	76	100	100	100	80	80	90	90	80
11	132062	88	76	76	88	84	100	100	100	90	90	80	80	80
12	132011	88	80	84	89	88	100	100	100	80	80	90	80	90
13	132027	88	84	84	88	88	100	100	100	90	80	80	90	70
14	132303	88	88	88	86	A	100	100	100	90	80	80	80	90
15	132014	84	84	88	89	76	100	100	100	90	80	90	70	70
16	132043	92	88	88	88	80	100	100	100	90	90	80	90	90
17	132310	84	76	88	88	84	100	100	100	80	90	90	80	80
18	132041	88	88	84	92	84	100	100	100	90	80	90	90	90
19	132007	88	88	84	84	88	100	100	100	90	90	80	90	100
20	132058	88	92	88	88	88	100	100	100	90	80	80	90	100
21	132003	96	88	88	92	96	100	100	100	80	90	90	90	90
22	132073	88	88	84	86	88	100	100	100	80	90	80	80	100
23	132067	68	56	84	64	64	100	100	100	90	80	80	80	60
24	132045	80	84	88	88	48	100	100	100	90	80	90	90	80
25	132008	64	72	60	84	56	100	100	100	80	90	80	80	70
26	132040	92	88	84	86	92	100	100	100	90	80	80	90	80
27	132018	80	88	88	88	64	100	100	100	90	80	90	90	90
28	132033	84	88	84	82	84	100	100	100	90	80	80	100	80
29	132016	88	88	88	89	88	100	100	100	80	80	90	90	90
30	132050	92	88	84	88	88	100	100	100	90	90	90	90	80
31	142912	76	64	80	84	72	100	100	100	90	80	80	80	70
32	142915	68	72	88	72	68	100	100	100	90	90	90	90	60
33	142917	72	48	64	58	64	100	100	100	80	80	80	90	60
34	142913	80	72	72	82	80	100	100	100	90	80	90	80	80
35	142920	72	56	72	84	72	100	100	100	90	80	90	90	70
36	142926	76	72	A	68	72	100	100	100	90	90	80	90	60
37	142904	88	72	88	92	60	100	100	100	80	80	90	80	50
38	142927	76	84	88	82	60	100	100	90	90	90	90	90	50
39	142921	88	84	84	85	88	100	100	90	90	80	90	80	70
40	132012	88	88	90	91	84	100	90	90	100	100	100	90	100
41	132069	92	92	88	90	76	90	80	80	100	100	100	90	70
42	132054	84	76	84	82	64	90	90	90	100	100	100	90	80
43	132052	92	92	88	89	60	100	90	90	100	90	90	90	80
44	132063	64	88	90	72	64	100	80	80	100	90	100	90	60
45	132060	88	88	88	84	84	100	90	80	100	100	100	90	90

46	132302	92	88	80	88	50	100	80	90	90	100	100	80	70
47	132051	88	96	80	82	84	100	80	90	100	90	90	90	70
48	132032	88	88	84	92	88	100	90	80	100	100	100	90	80
49	132065	96	88	88	92	76	100	80	90	90	100	100	90	90
50	132071	88	80	76	82	76	100	90	80	100	100	90	90	80
51	132023	96	96	88	80	84	100	90	80	100	100	100	80	90
52	132026	96	88	84	89	58	100	90	90	100	90	100	90	80
53	132025	88	88	84	89	76	100	80	80	100	90	100	90	80
54	132046	96	88	84	88	84	100	90	90	90	100	100	90	90
55	132035	88	88	90	90	88	100	90	90	100	100	90	90	90
56	132013	84	94	88	92	88	80	80	80	100	100	100	90	80
57	132010	92	92	84	86	84	100	90	90	100	100	100	80	90
58	132020	92	88	88	87	88	100	80	90	100	100	100	90	70
59	132015	92	80	84	86	A	80	80	90	90	100	100	90	70
60	132004	88	84	76	82	76	90	90	80	100	90	90	90	90
61	132005	88	88	84	90	84	100	80	90	100	100	100	90	90
62	132028	96	88	90	88	88	100	100	90	100	100	100	90	80
63	132031	80	88	88	90	86	100	100	90	100	100	100	90	80
64	132057	88	88	92	88	88	100	100	80	100	100	100	90	90
65	132056	96	88	88	90	84	90	100	90	100	100	100	90	80
66	132036	92	88	88	88	92	100	100	90	90	90	100	90	80
67	132312	96	88	84	90	A	100	100	80	100	100	90	90	90
68	132021	92	88	88	88	A	100	100	90	90	100	100	90	90
69	132001	92	88	84	92	88	100	100	90	100	100	90	90	80
70	132311	76	88	68	89	32	80	100	90	100	100	100	80	50
71	142916	72	70	60	62	60	100	100	80	100	90	100	90	70
72	142924	88	88	88	90	88	100	100	90	90	100	100	90	50
73	142922	92	88	84	84	80	90	100	90	90	100	90	80	0
74	142908	88	88	A	85	88	100	100	80	100	100	90	90	80
75	142909	72	80	84	86	88	100	100	90	100	100	100	90	70
76	142919	92	92	88	88	80	100	100	90	90	100	100	90	80
77	142902	88	80	76	86	69	100	100	80	100	100	90	80	80
78	142931	88	72	80	75	86	100	100	90	100	90	100	90	70
79	142907	92	88	88	84	68	100	100	90	100	100	100	90	70
80	142925	56	88	76	80	80	90	100	90	100	100	100	90	70
81	132072	60	24	36	16	76	90	90	90	100	100	100	100	50
82	132024	96	56	96	96	96	90	90	90	100	100	100	100	90
83	132068	96	96	92	76	98	90	90	90	100	100	100	100	80
84	132101	96	92	96	96	94	90	90	90	100	100	100	100	80
85	132029	88	88	80	88	98	90	90	90	100	100	100	100	70
86	132042	52	60	92	64	90	90	90	90	100	100	100	100	70
87	132049	A	A	96	92	84	90	90	90	100	100	100	100	60
88	132037	84	92	100	96	96	90	90	90	100	100	100	100	80
89	132006	100	100	80	100	98	100	90	90	100	100	100	100	90
90	132047	96	96	68	92	98	100	90	90	100	100	100	100	90
91	132059	100	88	88	60	86	90	90	90	100	100	100	100	90
92	132055	92	88	92	96	82	90	90	90	100	100	100	100	90
93	132105	96	96	56	68	96	90	90	90	100	100	100	100	80
94	132301	96	96	96	96	90	100	100	100	100	100	100	100	80
95	132048	92	96	100	100	94	100	100	100	100	100	100	100	90
96	132304	100	100	96	96	98	100	100	100	100	100	100	100	90

97	132108	96	96	100	100	98	90	90	90	100	100	100	100	80
98	132017	100	100	100	68	98	100	100	100	100	100	100	100	90
99	132307	100	88	96	88	90	90	90	90	100	100	100	100	70
100	132002	96	100	96	96	96	90	90	90	100	100	100	100	90
101	132009	92	96	100	92	98	90	90	90	100	100	100	100	90
102	132102	96	100	100	100	98	90	90	90	100	100	100	100	100
103	132022	100	96	100	96	98	100	100	100	100	100	100	100	90
104	132019	100	96	96	96	98	100	100	100	100	100	100	100	100
105	132039	92	92	100	96	98	100	100	100	100	100	100	100	90
106	132034	96	68	96	80	82	90	90	90	100	100	100	100	80
107	132107	84	84	96	92	96	90	90	90	100	100	100	100	80
108	132309	100	100	100	100	98	90	90	90	100	100	100	100	90
109	132106	88	84	84	84	90	90	90	90	100	100	100	100	80
110	132030	92	96	100	96	98	90	90	90	100	100	100	100	80
111	132308	88	76	64	68	94	90	90	90	100	100	100	100	70
112	142401	96	96	96	100	98	90	90	90	100	100	100	100	70
113	142933	60	40	96	80	80	90	90	90	100	100	100	100	80
114	142914	80	80	96	96	98	90	90	90	100	100	100	100	90
115	142901	92	88	96	96	98	100	90	90	100	100	100	100	90
116	142911	84	72	96	100	98	100	90	90	100	100	100	100	90
117	142910	60	64	96	80	90	90	90	90	100	100	100	100	90
118	142918	96	84	64	88	90	90	90	90	100	100	100	100	0
119	142903	20	16	68	24	76	90	90	90	100	100	100	100	60
120	142923	72	72	92	76	90	90	90	90	100	100	100	100	100

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO3	S2 CO5	Q1 CO2	Q2 CO	AU
	96.64	**94.12**	**97.46**	**95.8**	**93.91**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**84.17**
Level	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

Survey:

Survey	**C404.1**	**C404.2**	**C404.3**	**C404.4**	C404.5
Obtained Percentage	95.06	93.46	93.02	92.08	93.4
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C404:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C404.1	3	3	3	-		3	3	3	**3**	3
C404.2	3	3	-	3		3	3	3	**3**	3
C404.3	3	3	3	-		3	3	3	**3**	3
C404.4	3	-	-	3		3	3	3	**3**	3
C404.5	3	-	-	-		3	3	3	**3**	3
C404										**3**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C404.1	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Seminar]
C404.2	AU Exam	[0.7*Internal Test + 0.2*Assignemt + 0.1*Quiz]
C404.3	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Seminar]
C404.4	AU Exam	[0.8*Internal Test + 0.2*Quiz]
C404.5	AU Exam	[1*Internal Test]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C404 = \frac{C404.1 + C404.2 + C404.3 + C404.4 + C404.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:EE6005 Power Quality-C405E4
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignemnt					
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO2	A2 CO3	A3 CO4	S1 CO5	Q1 CO1	AU
1	132044	96	88	100	92	92	100	100	100	100	100	80
2	132104	100	88	92	88	96	100	100	100	100	100	80
3	132064	48	52	40	32	60	100	100	100	100	100	50
4	132305	48	32	40	60	60	90	100	100	100	84	80
5	132313	92	88	A	A	32	100	100	100	100	64	0
6	132061	96	92	60	84	96	100	100	100	100	100	80
7	132103	64	68	88	60	A	100	100	100	100	80	70
8	132306	88	88	92	92	92	100	100	100	100	100	80
9	132070	28	8	32	16	52	90	100	90	80	88	0
10	132053	100	92	88	72	80	100	100	100	90	100	90
11	132062	92	80	78	64	88	100	100	100	100	56	60
12	132011	92	84	84	100	92	100	100	100	100	96	90
13	132027	96	88	88	96	88	100	100	100	100	88	70
14	132303	96	88	88	96	A	100	90	100	A	88	80
15	132014	88	80	84	92	80	100	90	100	100	56	70
16	132043	100	88	92	92	92	100	100	100	100	64	90
17	132310	80	80	32	68	60	100	100	100	100	100	70
18	132041	92	80	68	64	76	100	100	100	100	96	50
19	132007	92	84	92	76	92	100	100	100	100	96	90
20	132058	100	92	96	88	96	100	100	100	100	100	90
21	132003	100	92	88	96	92	90	100	100	100	64	90
22	132073	96	96	96	100	92	100	100	100	100	68	90
23	132067	72	80	40	36	64	100	100	100	100	92	0
24	132045	88	36	48	52	68	100	100	100	100	96	70
25	132008	A	A	64	64	60	100	100	100	100	100	70
26	132040	92	84	84	64	80	100	100	100	100	76	70
27	132018	A	A	60	72	84	90	100	100	100	76	80
28	132033	100	88	84	88	64	100	100	100	100	60	60
29	132016	96	96	A	A	96	100	100	100	100	72	80
30	132050	96	84	88	92	92	100	100	100	100	84	80
31	142912	52	52	52	28	60	100	100	100	100	72	50
32	142915	88	76	88	16	60	100	100	100	100	84	50
33	142917	64	52	60	12	64	100	100	100	100	100	0
34	142913	76	72	64	60	32	100	100	100	100	48	50
35	142920	68	40	44	20	60	90	100	100	100	64	0
36	142926	10	0	60	28	12	100	100	100	100	96	50
37	142904	72	28	28	72	52	100	100	100	100	68	50
38	142927	84	36	36	64	60	100	100	100	100	92	0
39	142921	72	80	60	68	68	100	100	100	100	96	70
40	132012	92	96	64	64	92	100	90	90	92	0	90
41	132069	92	88	56	84	92	100	80	80	88	72	80
42	132054	96	56	100	72	92	100	80	80	96	96	80
43	132052	88	100	84	60	96	100	90	90	90	80	80
44	132063	92	76	32	48	92	100	90	80	90	92	60
45	132060	84	48	52	32	92	100	90	90	80	96	60

46	132302	92	17	80	60	60	100	90	90	90	84	70
47	132051	92	80	60	60	92	100	90	90	80	100	80
48	132032	80	88	72	84	92	100	90	80	90	100	80
49	132065	64	28	96	96	92	100	80	90	80	92	70
50	132071	96	76	76	72	72	90	90	90	76	96	70
51	132023	96	88	64	88	96	100	90	90	98	100	100
52	132026	92	76	72	88	96	100	90	90	96	100	70
53	132025	96	76	72	60	60	100	90	90	88	92	60
54	132046	100	92	88	64	96	100	90	80	98	92	80
55	132035	100	92	100	92	92	100	90	80	98	84	70
56	132013	96	88	64	28	32	90	80	90	80	96	70
57	132010	100	100	96	48	100	100	100	100	92	72	90
58	132020	64	68	96	92	96	100	100	90	90	100	80
59	132015	84	64	80	60	85	80	80	90	86	100	80
60	132004	72	96	68	68	92	80	90	90	90	92	90
61	132005	100	100	32	64	96	100	90	80	88	100	80
62	132028	96	96	88	96	96	100	90	90	95	100	90
63	132031	88	80	84	72	92	100	90	80	96	100	80
64	132057	96	96	88	100	100	100	90	90	97	100	90
65	132056	100	84	56	68	92	100	100	100	96	100	70
66	132036	96	94	84	84	100	100	90	80	99	90	80
67	132312	100	100	100	84	90	100	90	90	100	88	70
68	132021	100	100	100	92	85	80	80	90	100	88	80
69	132001	100	96	96	100	100	100	100	90	99	100	90
70	132311	60	64	68	64	70	80	80	90	80	88	50
71	142916	52	48	68	40	80	100	80	80	76	80	50
72	142924	96	96	84	64	92	100	90	90	72	96	50
73	142922	68	16	56	42	84	100	90	80	76	88	0
74	142908	94	96	100	96	96	100	90	100	95	96	80
75	142909	60	48	96	40	88	100	90	80	70	92	50
76	142919	84	96	56	72	96	100	90	90	86	100	70
77	142902	84	76	80	72	88	100	90	90	90	92	80
78	142931	96	72	88	48	88	100	90	90	76	92	70
79	142907	92	84	56	48	92	100	90	80	90	100	70
80	142925	48	28	44	24	76	100	90	90	72	72	0
81	132072	80	36	60	16	48	70	90	70	70	76	0
82	132024	88	92	96	64	96	100	100	90	90	84	80
83	132068	100	56	92	48	72	90	90	100	94	68	70
84	132101	100	84	96	54	92	100	100	100	96	72	70
85	132029	64	88	92	60	76	90	100	90	88	92	70
86	132042	100	96	88	72	76	90	90	90	92	68	70
87	132049	80	48	60	32	48	90	90	90	80	68	70
88	132037	80	72	84	96	96	100	100	100	96	76	70
89	132006	100	52	96	72	92	100	100	100	92	72	60
90	132047	84	88	52	72	96	100	100	100	84	76	70
91	132059	92	84	92	92	92	90	90	90	92	84	90
92	132055	84	16	84	66	88	80	100	90	76	48	60
93	132105	96	92	84	92	88	90	90	90	88	88	60
94	132301	96	88	64	28	60	90	90	100	84	76	70
95	132048	88	88	92	92	88	80	80	80	96	92	80
96	132304	96	100	96	84	100	100	100	100	92	80	80

97	132108	84	40	68	44	92	70	90	80	76	84	70
98	132017	92	88	80	84	100	100	100	100	96	92	100
99	132307	76	64	92	88	92	100	100	90	92	76	60
100	132002	88	92	68	40	96	100	100	100	88	72	80
101	132009	84	84	100	88	92	90	90	90	92	76	80
102	132102	96	100	72	88	96	100	100	100	100	84	80
103	132022	100	32	52	40	92	100	100	90	92	80	70
104	132019	92	88	96	64	96	100	100	100	96	76	80
105	132039	100	88	96	88	96	100	100	100	96	84	80
106	132034	100	100	72	68	88	100	100	90	92	64	50
107	132107	76	60	68	56	84	90	100	90	88	64	80
108	132309	96	96	76	68	88	100	100	80	92	88	80
109	132106	88	36	44	28	76	80	90	90	76	72	50
110	132030	72	84	96	84	96	100	100	100	92	84	70
111	132308	92	80	72	40	72	100	80	80	88	84	50
112	142401	88	88	60	52	84	90	90	100	76	84	60
113	142933	16	36	72	12	88	100	90	90	80	72	60
114	142914	72	36	68	28	96	100	100	90	76	64	90
115	142901	96	80	72	32	96	100	100	100	92	84	70
116	142911	72	88	56	68	96	100	100	100	88	84	60
117	142910	68	72	88	32	92	80	90	90	76	80	70
118	142918	88	68	72	48	72	90	90	90	80	80	0
119	142903	10	4	20	12	76	70	90	80	72	76	50
120	142923	68	0	14	4	60	70	100	70	72	68	70

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO2	A2 CO3	A3 CO4	S1 CO5	Q1 CO1	AU
	92.37	**74.58**	**78.81**	**67.8**	**93.22**	**96.67**	**100**	**98.33**	**100**	**89.17**	**69.17**
Level	**3**	**2**	**2**	**1**	**3**	**3**	**3**	**3**	**3**	**3**	**1**

Survey:

Survey	**C405E4.1**	**C405E4.2**	**C405E4.3**	**C405E4.4**	C405E4.5
Obtained Percentage	91.3	91.67	90.43	91.03	89.4
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C405E4:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C405E4.1	3	-	-	3		3	1	1.8	**3**	2.04
C405E4.2	2	3	-	-		2.3	1	1.52	**3**	1.82
C404E4.3	2	3	-	-		2.3	1	1.52	**3**	1.82
C405E4.4	1	3	-	-		1.6	1	1.24	**3**	1.59
C405E4.5	3	-	3	-		3	1	1.8	**3**	2.04
C405E4										**1.86**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C405E4.1	AU Exam	[0.8*Internal Test + 0.2*Quiz]
C405E4.2	AU Exam	[0.7*Internal Test + 0.3*Assignemt]
C405E4.3	AU Exam	[0.7*Internal Test + 0.3*Assignemt]
C404E4.4	AU Exam	[0.7*Internal Test + 0.3*Assignemt]
C405E4.5	AU Exam	[0.8*Internal Test + 0.2*Seminar]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C405E4 = \frac{C405E4.1 + C405E4.2 + C405E4.3 + C405E4.4 + C405E4.5}{5} = 1.86$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:EE6008 Micro Controller Based System Design-C406E4

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignemnt					
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO4	S1 CO3	Q1 CO4	AU
1	132044	88	64	72	72	64	90	90	90	90	80	70
2	132104	90	74	84	72	84	90	90	80	90	70	80
3	132064	20	42	36	46	12	0	70	70	0	60	50
4	132305	44	36	36	64	16	0	70	70	0	60	0
5	132313	84	38	50	50	20	90	90	0	60	70	0
6	132061	94	80	86	80	68	100	100	0	90	70	80
7	132103	64	84	46	54	A	100	100	90	90	70	50
8	132306	76	56	78	70	A	90	100	90	80	60	70
9	132070	8	12	36	44	20	0	90	90	0	90	0
10	132053	70	6	58	62	A	100	100	80	70	80	50
11	132062	38	62	34	58	A	60	70	90	70	80	60
12	132011	90	90	88	96	88	100	100	60	90	70	80
13	132027	52	72	A	A	64	90	100	90	90	90	70
14	132303	90	76	80	68	A	90	100	90	90	90	80
15	132014	76	86	80	48	76	90	100	90	90	80	80
16	132043	82	92	84	76	A	90	100	80	90	80	90
17	132310	38	46	40	28	A	60	70	80	80	60	70
18	132041	76	80	40	28	88	60	70	80	70	70	70
19	132007	94	86	80	80	80	90	90	80	90	80	80
20	132058	86	72	92	80	76	90	90	80	90	70	90
21	132003	94	92	94	62	A	90	100	90	90	80	80
22	132073	94	98	96	80	A	100	90	80	90	80	70
23	132067	24	48	96	76	48	60	70	80	60	80	50
24	132045	38	26	52	56	A	100	90	80	60	90	60
25	132008	A	A	36	48	52	0	0	0	70	80	50
26	132040	64	82	84	80	A	60	50	60	70	70	70
27	132018	38	36	72	44	A	60	50	60	80	90	50
28	132033	70	74	60	68	A	90	80	90	90	80	50
29	132016	90	90	92	80	92	80	70	80	90	90	80
30	132050	72	70	80	64	A	100	90	100	90	70	70
31	142912	28	22	32	40	34	60	50	60	50	70	50
32	142915	48	58	50	50	64	90	80	90	90	50	50
33	142917	20	8	28	24	28	80	70	80	0	60	50
34	142913	68	66	32	70	92	100	90	100	90	50	50
35	142920	14	46	16	24	60	0	0	0	0	30	50
36	142926	A	A	8	24	34	60	50	60	0	40	50
37	142904	54	70	44	84	60	80	40	80	90	80	0
38	142927	32	32	24	56	52	70	70	80	0	40	50
39	142921	66	62	56	44	72	80	90	100	0	40	50
40	132012	72	60	60	72	85	100	90	90	90	90	70
41	132069	12	56	76	52	80	100	90	90	100	90	50
42	132054	76	84	64	76	A	90	100	90	80	90	60
43	132052	54	78	76	88	84	90	90	90	90	90	80
44	132063	1	4	64	52	72	90	100	90	80	90	50
45	132060	44	24	40	60	76	90	100	90	90	90	70

46	132302	36	16	68	72	A	90	100	90	80	70	50
47	132051	84	48	68	60	A	90	90	90	90	90	70
48	132032	78	78	48	68	A	90	90	90	90	90	70
49	132065	40	40	78	60	76	90	100	90	90	90	50
50	132071	32	36	52	72	58	90	90	90	80	90	60
51	132023	82	66	60	60	A	90	90	90	90	90	70
52	132026	70	86	48	72	A	90	90	90	90	90	80
53	132025	20	64	48	52	80	90	100	90	100	90	80
54	132046	80	88	88	80	88	90	90	90	90	80	90
55	132035	80	64	64	48	88	90	90	90	90	90	90
56	132013	A	A	68	36	A	90	90	90	90	60	80
57	132010	78	78	88	80	92	100	100	100	100	60	80
58	132020	68	64	76	92	88	90	90	90	100	90	90
59	132015	72	84	76	64	A	90	90	90	100	80	90
60	132004	56	68	80	56	80	90	90	90	90	60	60
61	132005	64	80	64	92	80	90	90	90	100	80	70
62	132028	64	92	80	68	84	90	90	90	100	90	50
63	132031	58	90	92	88	92	90	90	90	100	80	50
64	132057	84	76	92	56	88	90	90	90	100	60	70
65	132056	78	38	72	56	76	90	90	90	90	60	70
66	132036	72	80	92	96	92	100	100	90	90	60	70
67	132312	88	77	84	56	A	100	100	90	100	80	60
68	132021	52	96	68	96	A	100	90	90	100	80	70
69	132001	88	92	64	92	92	100	100	90	90	90	90
70	132311	A	A	A	A	A	80	80	90	80	50	50
71	142916	30	42	64	24	48	80	100	90	90	70	60
72	142924	60	44	44	88	76	80	90	90	90	70	70
73	142922	32	32	36	0	50	80	90	90	80	50	60
74	142908	64	76	56	88	84	80	90	90	90	70	80
75	142909	A	A	28	72	40	80	90	90	80	70	70
76	142919	54	62	80	60	76	90	90	90	90	80	80
77	142902	60	60	64	84	36	80	90	90	90	90	70
78	142931	40	60	12	44	50	80	90	90	90	50	70
79	142907	60	40	68	52	80	80	90	90	90	60	70
80	142925	6	0	0	4	32	90	90	90	80	50	50
81	132072	28	28	40	8	62	90	90	90	90	50	0
82	132024	64	72	66	66	76	90	90	90	90	70	80
83	132068	70	44	50	10	50	90	90	90	90	80	70
84	132101	52	68	66	94	80	90	90	90	90	60	70
85	132029	56	43	57	63	76	90	90	90	90	70	50
86	132042	50	52	48	28	78	90	90	90	90	70	50
87	132049	32	30	30	70	58	90	90	90	90	70	50
88	132037	88	78	62	70	69	90	90	90	90	60	70
89	132006	88	82	90	98	86	90	90	90	90	80	80
90	132047	64	60	88	92	74	90	90	90	90	40	70
91	132059	80	88	84	72	80	90	90	90	90	90	80
92	132055	50	4	26	30	50	90	90	90	90	80	70
93	132105	50	40	60	56	72	90	90	90	90	70	70
94	132301	32	43	61	20	62	90	90	90	90	70	70
95	132048	80	82	78	98	80	90	90	90	90	70	70
96	132304	88	73	87	77	80	90	90	90	90	70	80

97	132108	50	50	82	80	60	90	90	90	90	80	60
98	132017	92	94	90	90	90	90	90	90	90	80	80
99	132307	56	50	62	66	72	90	90	90	90	80	0
100	132002	80	80	96	88	84	90	90	90	90	70	70
101	132009	72	66	66	74	86	90	90	90	90	70	70
102	132102	88	94	90	90	90	90	90	90	90	70	80
103	132022	84	60	84	88	88	90	90	90	90	90	70
104	132019	76	68	80	100	80	90	90	90	90	30	70
105	132039	80	80	72	84	82	90	90	90	90	90	70
106	132034	60	55	65	51	64	90	90	90	90	80	50
107	132107	84	50	56	68	65	90	90	90	90	80	50
108	132309	88	80	98	94	86	90	90	90	90	70	60
109	132106	50	52	48	52	50	90	90	90	90	30	50
110	132030	64	68	60	84	78	90	90	90	90	60	50
111	132308	84	64	56	64	84	90	90	90	90	90	60
112	142401	68	52	52	48	50	90	90	90	90	50	50
113	142933	50	54	46	58	50	90	90	90	90	40	50
114	142914	A	75	69	59	64	90	90	90	90	50	70
115	142901	96	70	74	56	86	90	90	90	90	70	80
116	142911	64	64	60	80	76	90	90	90	90	70	80
117	142910	58	38	42	68	56	90	90	90	90	40	80
118	142918	52	50	54	46	50	90	90	90	90	50	60
119	142903	11	20	10	6	20	90	90	90	90	50	70
120	142923	60	19	41	55	20	90	90	90	90	60	50

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO4	S1 CO3	Q1 CO4	AU
	59.65	**59.13**	**61.02**	**60.17**	**70.83**	**88.33**	**86.67**	**90.83**	**90**	**70**	**57.5**
Level	**0**	**0**	**1**	**1**	**2**	**3**	**3**	**3**	**3**	**2**	**0**

Survey:

Survey	**C406E4.1**	**C406E4.2**	**C406E4.3**	**C406E4.4**	C406E4.5
Obtained Percentage	88.37	86.45	87.26	87.89	86.71
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C406E4:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C406E4.1	0	3	-	-		0.9	0	0.36	**3**	0.89
C406E4.2	0	3	-	-		0.9	0	0.36	**3**	0.89
C406E4.3	1	-	3	-		1.4	0	0.56	**3**	1.05
C406E4.4	1	3	-	2		1.5	0	0.6	**3**	1.08
C406E4.5	2	-	-	-		2	0	0.8	**3**	1.24
C406E4										**1.03**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C406E4.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C406E4.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C406E4.3	AU Exam	[0.8*Internal Test + 0.2*Seminar]
C406E4.4	AU Exam	[0.7*Internal Test + 0.2*Assignemt + 0.1*Quiz]
C406E4.5	AU Exam	[1*Internal Test]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C406E4 = \frac{C406E4.1 + C406E4.2 + C406E4.3 + C406E4.4 + C406E4.5}{5} = 1.03$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6711 Power System Simulation Lab: -C407

Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044		90	90	96	90	90		90	90		90	90		90	90	100
2	132104		90	90		90	90	98	90	90		90	90		90	90	100
3	132064	90	90	90		90	90		90	90		90	90		90	90	100
4	132305		90	90		90	90		90	90	92	90	90		90	90	100
5	132313		90	90		90	90		90	90		90	90	92	90	90	100
6	132061	98	90	90		90	90		90	90		90	90		90	90	100
7	132103	98	90	90		90	90		90	90		90	90		90	90	100
8	132306		90	90	98	90	90		90	90		90	90		90	90	100
9	132070	90	90	90		90	90		90	90		90	90		90	90	90
10	132053		90	90		90	90	98	90	90		90	90		90	90	100
11	132062		90	90		90	90		90	90		90	90	94	90	90	100
12	132011		90	90		90	90		90	90	96	90	90		90	90	100
13	132027		90	90		90	90		90	90		90	90	96	90	90	100
14	132303		90	90		90	90	96	90	90		90	90		90	90	100
15	132014		90	90		90	90		90	90	96	90	90		90	90	100
16	132043		90	90	96	90	90		90	90		90	90		90	90	100
17	132310	94	90	90		90	90		90	90		90	90		90	90	100
18	132041		90	90	98	90	90		90	90		90	90		90	90	100
19	132007		90	90		90	90	96	90	90		90	90		90	90	100
20	132058		90	90		90	90		90	90	96	90	90		90	90	100
21	132003		90	90		90	90	96	90	90		90	90		90	90	100
22	132073		90	90	98	90	90		90	90		90	90		90	90	100
23	132067		90	90		90	90	96	90	90		90	90		90	90	100
24	132045		90	90		90	90		90	90	96	90	90		90	90	100
25	132008	92	90	90		90	90		90	90		90	90		90	90	100
26	132040		90	90		90	90	96	90	90		90	90		90	90	100
27	132018		90	90		90	90		90	90	94	90	90		90	90	100
28	132033		90	90	92	90	90		90	90		90	90		90	90	100
29	132016		90	90		90	90	96	90	90		90	90		90	90	100
30	132050	96	90	90		90	90		90	90		90	90		90	90	100
31	142912		90	90		90	90		90	90		90	90	90	90	90	90
32	142915		90	90		90	90		90	90	92	90	90		90	90	90
33	142917		90	90	92	90	90		90	90		90	90		90	90	90
34	142913		90	90		90	90	90	90	90		90	90		90	90	100
35	142920	90	90	90		90	90		90	90		90	90		90	90	90
36	142926		90	90		90	90		90	90	92	90	90		90	90	90
37	142904		90	90		90	90	92	90	90		90	90		90	90	100
38	142927		90	90		90	90		90	90		90	90	90	90	90	90
39	142921		90	90	90	90	90		90	90		90	90		90	90	90
40	132012	96	90	90		90	80		80	90		90	100		90	100	100
41	132069		90	90	92	90	90		90	90		90	100		80	100	100
42	132054		90	100	89	90	90		90	90		90	100		80	100	100
43	132052	97	90	100		90	90		80	100		80	100		80	90	100
44	132063		90	100		90	90		90	90	95	90	90		90	100	100
45	132060		90	90		90	90	92	90	90		90	90		90	100	100
46	132302	87	90	90		90	90		80	90		90	90		80	90	100

47	132051		90	90		90	100		90	90	97	80	100		90	90	100
48	132032	92	90	100		90	100		90	90		90	90		90	90	100
49	132065		80	90	87	80	80		70	90		70	90		80	90	90
50	132071		70	90		70	80	87	70	90		80	80		70	90	90
51	132023	97	80	90		80	90		90	100		90	100		80	100	100
52	132026		90	100		90	100		80	100	97	90	100		90	100	100
53	132025		90	90		90	80		90	90		90	90	95	90	90	100
54	132046		90	90		90	90		90	90		80	90	95	80	100	100
55	132035		80	90	98	90	90		90	100		90	100		80	100	100
56	132013		80	100	90	90	90		80	90	96	70	90		80	90	100
57	132010		90	100		90	100		80	100	96	90	100		90	100	100
58	132020	95	90	90		90	100		90	100		80	100		80	100	100
59	132015		80	90		80	100		90	90	95	90	100		90	100	100
60	132004		90	90	96	90	100		90	100		90	100		90	100	100
61	132005		90	100		90	90		80	90	95	90	100		80	100	100
62	132028	97	90	100		90	100		90	100		90	100		90	100	100
63	132031		90	100		90	100	97	90	100		90	90		90	90	100
64	132057		100	100		90	90	99	90	100		100	100		90	100	100
65	132056		90	90	99	90	100		90	100		90	90		90	90	100
66	132036		100	100		100	100	98	90	100		90	90		100	100	100
67	132312		100	100		90	100	98	100	100		100	100		90	90	100
68	132021		100	100		100	100		100	100	99	100	100		100	100	100
69	132001	99	90	100		100	100		100	100		100	100		100	100	100
70	132311		90	90	85	90	80		70	100		80	70		80	80	90
71	142916		70	90		90	80		70	80		80	80	89	70	80	90
72	142924		90	90		90	90		80	80		80	90	91	80	90	100
73	142922		90	80		90	100	87	80	90		90	90		90	80	90
74	142908	88	80	90		80	80		80	100		90	90		90	90	100
75	142909		80	90		90	90		90	80		80	90	98	80	90	100
76	142919		80	100		90	100		90	90		80	90	96	80	90	100
77	142902		90	90		80	90	96	90	90		90	90		90	90	90
78	142931		80	90		80	100		80	100		80	90	90	70	90	100
79	142907		80	90		80	100		80	90	96	80	90		90	90	100
80	142925		80	80		70	90	92	70	90		80	80		70	80	90
81	132072	88	90	90		90	90		90	90		90	90		90	90	80
82	132024	92	90	90		90	90		90	90		90	90		90	90	100
83	132068		90	90		90	90	93	90	90		90	90		90	90	100
84	132101		90	90	95	90	90		90	90		90	90		90	90	100
85	132029		90	90		90	90	95	90	90		90	90		90	90	100
86	132042		90	90		90	90		90	90	93	90	90		90	90	100
87	132049		90	90		90	90		90	90		90	90	88	90	90	90
88	132037		90	90		90	90		90	90	92	90	90		90	90	100
89	132006	96	90	90		90	90		90	90		90	90		90	90	100
90	132047		90	90	97	90	90		90	90		90	90		90	90	100
91	132059		90	90	93	90	90		90	90		90	90		90	90	100
92	132055		90	90		90	90		90	90		90	90	95	90	90	100
93	132105		90	90		90	90		90	90	94	90	90		90	90	100
94	132301		90	90		90	90		90	90		90	90	92	90	90	100
95	132048	96	90	90		90	90		90	90		90	90		90	90	100
96	132304	98	90	90		90	90		90	90		90	90		90	90	100
97	132108		90	90		90	90	90	90	90		90	90		90	90	100

98	132017		90	90		90	90	97	90	90		90	90		90	90	100
99	132307		90	90	92	90	90		90	90		90	90		90	90	100
100	132002		90	90		90	90		90	90	98	90	90		90	90	100
101	132009		90	90		90	90		90	90		90	90	94	90	90	100
102	132102		90	90		90	90		90	90		90	90	92	90	90	100
103	132022		90	90	92	90	90		90	90		90	90		90	90	100
104	132019		90	90	93	90	90		90	90		90	90		90	90	100
105	132039		90	90		90	90	94	90	90		90	90		90	90	100
106	132034		90	90		90	90	94	90	90		90	90		90	90	100
107	132107	92	90	90		90	90		90	90		90	90		90	90	100
108	132309	95	90	90		90	90		90	90		90	90		90	90	100
109	132106	A	90	90		90	90		90	90		90	90		90	90	100
110	132030		90	90		90	90	92	90	90		90	90		90	90	90
111	132308		90	90		90	90		90	90		90	90	93	90	90	100
112	142401		90	90		90	90		90	90	94	90	90		90	90	80
113	142933		90	90		90	90	80	90	90		90	90		90	90	100
114	142914	92	90	90		90	90		90	90		90	90		90	90	100
115	142901		90	90	94	90	90		90	90		90	90		90	90	90
116	142911	93	90	90		90	90		90	90		90	90		90	90	100
117	142910		90	90		90	90		90	90	92	90	90		90	90	100
118	142918		90	90		90	90		90	90	96	90	90		90	90	90
119	142903		90	90		90	90		90	90		90	90	85	90	90	90
120	142923		90	90		90	90		90	90		90	90	92	90	90	100
121	132044		90	90	96	90	90		90	90		90	90		90	90	100

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	AU
	100	100	100	100	100	100	100	100	100	100	100	99.17	100	100	100	98.33
Level	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3

Survey:

Survey	C407.1	C407.2	C407.3	C407.4	C407.5
Obtained Percentage	92.07	90.61	90.07	91.05	90.38
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C407:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C407.1	3	3	3	3	3		3	3		3
C407.2	3	3	3	3	3		3	3		3
C407.3	3	3	3	3	3		3	3		3
C407.4	3	3	3	3	3		3	3		3
C407.5	3	3	3	3	3		3	3		3
C407										**3**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C407.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C407.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C407.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C407.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C407.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C407 = \frac{C407.1 + C407.2 + C407.3 + C407.4 + C407.5}{5} = 3$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course: EE6712 COMPREHENSION: -C408

Internal Assessment/ VIVA/ RECORD/AU marks

S. NO.	ROLL NO	CO1			CO2			CO3			C04			C05			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	132044	98		90	98		80	98		85	98		90	98		70	100
2	132104	96		90	96		85	96		85	96		90	96		80	100
3	132064	82		80	82		65	82		65	82		70	82		80	100
4	132305	84		80	84		70	84		65	84		90	84		90	100
5	132313	90		100	90		65	90		65	90		75	90		60	100
6	132061	98		90	98		80	98		80	98		90	98		80	100
7	132103	98		80	98		75	98		85	98		95	98		100	100
8	132306	98		80	98		80	98		75	98		80	98		90	100
9	132070	72		90	72		70	72		65	72		80	72		80	100
10	132053	94		100	94		70	94		75	94		95	94		70	100
11	132062	96		80	96		75	96		75	96		80	96		80	100
12	132011	98		90	98		85	98		80	98		100	98		80	100
13	132027	96		100	96		80	96		85	96		90	96		80	100
14	132303	84		100	84		80	84		80	84		85	84		80	100
15	132014	98		60	98		80	98		80	98		100	98		100	100
16	132043	98		100	98		85	98		75	98		100	98		70	100
17	132310	96		80	96		80	96		70	96		90	96		70	100
18	132041	94		80	94		65	94		80	94		85	94		90	100
19	132007	98		90	98		85	98		70	98		95	98		70	100
20	132058	94		80	94		75	94		75	94		80	94		70	100
21	132003	98		100	98		65	98		85	98		90	98		70	100
22	132073	98		90	98		85	98		75	98		95	98		80	100
23	132067	98		60	98		65	98		70	98		95	98		90	100
24	132045	94		100	94		65	94		65	94		85	94		80	100
25	132008	94		70	94		65	94		70	94		90	94		90	100
26	132040	98		80	98		65	98		85	98		95	98		90	100
27	132018	96		80	96		60	96		80	96		70	96		80	100
28	132033	98		80	98		80	98		65	98		85	98		80	100
29	132016	98		100	98		80	98		70	98		95	98		80	100
30	132050	98		90	98		80	98		75	98		100	98		80	100
31	142912	90		80	90		65	90		70	90		90	90		80	100
32	142915	98		60	98		75	98		85	98		95	98		100	100
33	142917	78		60	78		75	78		60	78		85	78		90	100
34	142913	98		70	98		75	98		65	98		90	98		80	100
35	142920	86		80	86		75	86		60	86		80	86		90	100
36	142926	84		60	84		70	84		65	84		100	84		100	100
37	142904	98		60	98		80	98		85	98		70	98		90	100
38	142927	88		60	88		75	88		80	88		80	88		100	100
39	142921	96		80	96		65	96		70	96		85	96		90	100
40	132012	95		90	95		92	95		93	95		96	95		91	100
41	132069	97		92	97		95	97		91	97		89	97		90	100
42	132054	98		91	98		93	98		90	98		96	98		92	100
43	132052	94		89	94		90	94		95	94		97	94		96	100
44	132063	99		93	99		92	99		96	99		90	99		95	100
45	132060	98		92	98		95	98		94	98		96	98		91	100
46	132302	96		95	96		93	96		90	96		92	96		89	100

47	132051	92		96	92		91	92		95	92		93	92		97	100
48	132032	95		95	95		94	95		92	95		90	95		96	100
49	132065	94		94	84		96	84		94	84		95	84		90	100
50	132071	96		95	96		89	96		90	96		93	96		95	100
51	132023	97		95	97		93	97		92	97		91	97		94	100
52	132026	98		96	98		96	98		90	98		97	98		92	100
53	132025	94		92	94		90	94		95	94		94	94		91	100
54	132046	95		89	95		91	95		97	95		92	95		90	100
55	132035	95		90	95		88	95		95	95		97	95		96	100
56	132013	95		92	95		95	95		93	95		90	95		91	100
57	132010	94		91	94		96	94		97	94		92	94		90	100
58	132020	92		88	92		93	92		91	92		95	92		92	100
59	132015	91		91	91		90	91		96	91		94	91		95	100
60	132004	93		90	93		94	93		97	93		92	93		91	100
61	132005	93		87	93		90	93		92	93		95	93		91	100
62	132028	95		95	95		93	95		90	95		91	95		96	100
63	132031	90		96	90		92	90		93	90		97	90		95	100
64	132057	90		94	90		90	90		95	90		93	90		89	100
65	132056	90		90	90		96	90		94	90		92	90		95	100
66	132036	90		87	90		93	90		96	90		97	90		91	100
67	132312	90		96	90		95	90		93	90		90	90		94	100
68	132021	90		88	90		97	90		94	90		96	90		95	100
69	132001	90		91	90		95	90		90	90		92	90		87	100
70	132311	90		97	90		89	90		96	90		87	90		90	100
71	142916	90		96	90		90	90		91	90		95	90		97	100
72	142924	90		95	90		94	90		93	90		90	90		96	100
73	142922	89		94	89		87	89		90	89		95	89		97	100
74	142908	89		93	89		90	89		95	89		91	89		92	100
75	142909	89		92	89		88	89		94	89		90	89		91	100
76	142919	90		96	90		90	90		88	90		92	90		93	100
77	142902	90		95	90		92	90		95	90		94	90		91	100
78	142931	90		90	90		91	90		96	90		93	90		95	100
79	142907	90		91	90		93	90		97	90		95	90		90	100
80	142925	90		92	90		95	90		93	90		90	90		96	100
81	132072	60		70	60		60	60		70	60		60	60		70	90
82	132024	96		90	96		90	96		90	96		90	96		90	100
83	132068	96		90	96		100	96		90	96		90	96		90	100
84	132101	78		80	78		100	78		90	78		90	78		90	100
85	132029	96		90	96		100	96		100	96		100	96		100	100
86	132042	96		90	96		90	96		90	96		90	96		90	100
87	132049	60		100	60		90	60		100	60		90	60		90	90
88	132037	96		90	96		90	96		90	96		90	96		90	100
89	132006	96		90	96		90	96		90	96		90	96		90	100
90	132047	96		90	96		90	96		90	96		90	96		90	100
91	132059	96		90	96		90	96		90	96		90	96		90	100
92	132055	96		90	96		90	96		90	96		90	96		90	100
93	132105	96		90	96		90	96		90	96		90	96		90	100
94	132301	96		90	96		90	96		90	96		90	96		90	100
95	132048	96		90	96		90	96		90	96		90	96		90	100
96	132304	96		90	96		90	96		90	96		90	96		90	100
97	132108	96		90	96		90	96		90	96		90	96		90	100

98	132017	96		90	96		90	96		90	96		90	96		90	100
99	132307	96		90	96		90	96		90	96		90	96		90	100
100	132002	96		100	96		100	96		100	96		100	96		100	100
101	132009	96		90	96		90	96		90	96		90	96		90	100
102	132102	96		90	96		80	96		90	96		90	96		90	100
103	132022	96		80	96		80	96		80	96		90	96		90	100
104	132019	96		90	96		90	96		90	96		90	96		90	100
105	132039	96		100	96		100	96		100	96		100	96		100	100
106	132034	96		90	96		90	96		90	96		90	96		90	100
107	132107	96		80	96		90	96		90	96		90	96		90	100
108	132309	96		80	96		90	96		90	96		90	96		90	100
109	132106	96		80	96		90	96		90	96		90	96		90	100
110	132030	96		80	96		90	96		90	96		90	96		90	100
111	132308	96		80	96		90	96		80	96		90	96		90	100
112	142401	96		90	96		90	96		90	96		90	96		90	90
113	142933	72		80	72		80	72		80	72		80	72		80	100
114	142914	96		80	96		80	96		80	96		80	96		80	100
115	142901	80		80	80		80	80		80	80		80	80		80	100
116	142911	96		80	96		80	96		80	96		80	96		80	90
117	142910	60		80	60		80	60		80	60		80	60		80	100
118	142918	88		80	88		80	88		80	88		80	88		80	90
119	142903	60		80	60		80	60		80	60		80	60		80	100
120	142923	80		80	80		80	80		80	80		80	80		80	100

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	CO1			CO2			CO3			CO4			CO5			
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	AU
	93		91.67	93.33		80	93.33		79.17	93.33		95.83	93.33		92.5	100
Level	3		3	3		2	3		2	3		3	3		3	3

Survey:

Survey	C408.1	C408.2	C408.3	C408.4	C408.5
Obtained Percentage	93.85	92.45	92.28	91.53	91.36
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C408:

Course	T	V	R	S	IA		AU Exam	Direct Attainment		Overall attainment
C408.1	3		3	3	3		3	3		3
C408.2	3		3	3	3		3	3		3
C408.3	3		2	3	2.7		3	2.88		2.9
C408.4	3		3	3	3		3	3		3
C408.5	3		3	3	3		3	3		3
C408										**2.98**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)
C408.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C408.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C408.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C408.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]
C408.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*RECORD]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C408 = \frac{C408.1 + C408.2 + C408.3 + C408.4 + C408.5}{5} = 2.98$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:EE6801 Electric Energy Generation, Utilization and Conservation -C409

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignemnt			Seminar			
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	S2 CO5	Q1 CO5	AU
1	132044	96	90	94	78	96	90	90	90	90	98	90	80
2	132104	96	90	94	92	96	90	90	90	90	98	90	50
3	132064	12	38	50	A	20	80	90	90	70	90	60	80
4	132305	32	8	14	10	80	80	90	80	70	90	80	0
5	132313	80	56	26	26	A	70	90	90	70	96	60	70
6	132061	88	88	90	86	94	90	90	90	90	96	80	70
7	132103	96	A	88	90	96	90	90	90	90	96	90	80
8	132306	92	90	88	88	92	90	90	90	90	90	90	50
9	132070	A	22	50	2	40	80	70	80	60	90	50	70
10	132053	88	80	76	16	A	80	90	90	80	90	80	70
11	132062	88	A	35	50	80	90	90	90	90	95	90	90
12	132011	88	92	96	90	96	90	90	90	90	95	90	70
13	132027	99	70	A	84	A	90	90	90	90	95	90	80
14	132303	99	94	92	88	A	90	90	90	90	95	90	60
15	132014	96	70	80	60	90	90	90	90	90	90	90	90
16	132043	96	80	92	92	96	90	90	90	90	95	90	70
17	132310	52	38	52	80	82	80	80	90	80	95	60	70
18	132041	80	60	82	64	88	80	90	90	90	95	70	70
19	132007	92	62	86	88	92	80	90	90	90	90	80	70
20	132058	96	90	96	90	96	90	90	90	90	90	90	70
21	132003	96	80	90	76	96	90	90	90	90	90	90	70
22	132073	96	94	94	96	90	90	90	90	90	90	90	60
23	132067	52	50	68	A	70	90	90	90	80	90	80	50
24	132045	28	A	90	76	80	90	90	90	80	98	70	60
25	132008	60	58	66	26	84	90	80	90	70	98	60	80
26	132040	88	86	86	88	94	90	90	90	90	90	90	70
27	132018	52	52	80	70	92	90	90	90	80	90	80	70
28	132033	76	84	86	56	88	90	90	90	80	90	90	80
29	132016	96	A	96	96	96	90	90	90	90	80	90	70
30	132050	96	86	80	90	96	90	90	90	90	80	90	50
31	142912	52	18	36	30	70	80	90	90	60	80	60	60
32	142915	56	28	52	50	84	80	80	90	60	75	70	60
33	142917	36	A	50	52	82	80	90	90	80	75	60	70
34	142913	68	54	80	66	90	90	80	90	70	75	60	70
35	132920	12	22	50	52	80	80	80	90	60	75	80	50
36	142926	36	26	64	50	80	80	80	80	70	70	60	50
37	142904	72	A	82	54	86	80	80	90	70	75	70	70
38	142927	56	A	64	26	78	80	80	90	70	80	80	70
39	142921	44	A	72	64	86	80	80	90	80	70	60	80
40	132012	72	72	92	84	88	100	90	90	90	90	90	60
41	132069	80	66	A	52	60	100	90	100	90	96	90	70
42	132054	72	88	84	80	64	100	80	90	90	90	90	70
43	132052	88	82	82	80	80	100	90	100	98	98	90	60
44	132063	40	66	66	40	50	100	80	90	90	90	90	70
45	132060	72	A	82	62	80	100	90	100	98	96	90	70

46	132302	4	2	14	14	10	100	80	90	72	70	80	70
47	132051	88	72	64	64	A	100	90	100	98	96	90	80
48	132032	80	86	78	54	60	100	90	100	98	96	90	50
49	132065	68	60	70	50	52	100	90	100	94	92	90	50
50	132071	0	50	54	24	24	100	80	90	70	70	90	80
51	132023	80	90	82	30	76	100	100	90	98	98	90	70
52	132026	88	92	88	32	62	100	100	90	98	98	90	70
53	132025	72	76	82	56	60	100	90	100	90	90	90	90
54	132046	84	80	88	80	68	100	100	90	98	96	90	70
55	132035	88	70	74	76	92	100	90	90	98	96	100	60
56	132013	8	86	66	76	0	100	90	100	88	74	90	80
57	132010	88	92	88	88	50	100	100	100	98	90	90	80
58	132020	84	84	90	80	88	100	100	90	98	90	90	70
59	132015	56	A	90	68	70	100	100	100	98	96	90	70
60	132004	72	68	86	74	64	100	90	90	98	98	90	70
61	132005	80	80	86	84	90	100	90	90	98	98	90	70
62	132028	80	64	90	76	84	100	90	100	98	94	96	70
63	132031	80	70	74	80	84	100	100	90	98	94	90	70
64	132057	92	64	92	86	92	100	100	90	98	96	90	70
65	132056	84	94	76	84	A	100	100	100	90	92	90	80
66	132036	88	90	92	90	88	100	100	100	98	94	90	70
67	132312	88	47	84	80	88	100	100	100	96	92	90	70
68	132021	96	A	90	84	90	100	100	90	99	98	90	90
69	132001	92	86	90	94	98	100	90	100	99	98	100	70
70	132311	56	32	50	52	50	100	90	90	88	84	90	60
71	142916	8	2	60	52	30	100	90	90	72	70	90	70
72	142924	80	56	80	72	50	100	90	90	92	90	90	50
73	142922	56	50	60	50	50	100	90	90	82	80	90	50
74	142908	88	64	92	70	80	100	90	90	98	92	90	50
75	142909	32	50	60	50	50	100	90	90	84	90	90	70
76	142919	80	70	84	72	92	100	90	100	98	90	90	70
77	142902	72	60	82	76	68	100	100	100	94	92	90	60
78	142931	36	18	60	60	62	100	100	100	90	90	90	70
79	142907	64	74	82	68	88	100	100	90	98	94	90	60
80	142925	20	10	A	38	14	100	90	90	72	70	90	0
81	132072	40	54	46	30	40	85	87	90	90	89	90	0
82	132024	88	92	88	80	92	90	92	92	92	88	87	70
83	132068	62	62	76	80	40	86	88	91	91	93	90	70
84	132101	76	88	80	75	94	92	94	89	89	90	85	90
85	132029	90	70	74	76	66	87	89	93	92	91	87	70
86	132042	80	80	76	90	86	89	91	90	90	87	91	70
87	132049	80	36	46	55	16	85	87	92	89	91	92	70
88	132037	80	70	68	80	80	93	94	90	87	85	90	70
89	132006	84	98	84	90	90	95	92	91	90	93	89	90
90	132047	84	92	90	86	86	91	93	93	89	92	93	80
91	132059	76	86	84	75	80	89	91	92	92	94	91	80
92	132055	82	50	46	80	70	87	89	90	89	90	89	70
93	132105	76	84	86	82	A	90	92	89	93	91	90	70
94	132301	76	88	82	60	72	89	91	91	90	92	92	70
95	132048	92	96	90	92	92	89	90	93	94	90	89	80
96	132304	92	98	92	92	92	95	93	92	92	91	90	90

97	132108	76	86	88	74	62	90	92	90	89	90	93	70
98	132017	92	98	96	92	92	95	93	89	93	92	91	80
99	132307	44	92	64	90	80	92	90	91	90	91	93	70
100	132002	92	96	96	96	96	95	91	93	90	92	95	70
101	132009	92	86	86	86	84	93	92	90	91	91	90	80
102	132102	88	90	90	90	94	90	92	93	92	90	93	80
103	132022	84	80	86	86	84	89	90	90	91	92	91	60
104	132019	84	94	84	90	90	90	92	93	92	93	92	70
105	132039	84	90	90	90	88	86	87	92	90	91	95	90
106	132034	84	86	86	86	88	92	91	94	89	90	87	60
107	132107	76	90	80	A	88	87	89	93	85	87	90	70
108	132309	92	98	96	96	94	95	92	90	93	92	93	90
109	132106	76	88	86	82	86	89	87	91	86	88	94	60
110	132030	84	88	86	90	90	86	88	92	90	92	95	60
111	132308	88	86	90	80	84	90	92	90	87	89	90	60
112	142933	76	52	72	70	58	91	93	90	89	90	93	60
113	142914	84	88	88	80	56	85	86	91	90	92	92	80
114	142901	72	93	90	90	90	87	89	92	89	87	91	80
115	142911	88	94	92	92	94	86	88	83	88	89	90	90
116	142910	88	86	90	86	80	88	92	90	85	87	91	70
117	142918	84	72	84	80	80	84	91	90	86	85	92	60
118	142903	92	78	70	56	50	92	85	93	89	90	90	0
119	142923	68	54	76	86	70	68	85	90	86	87	89	60
120	142401	88	93	90	76	82	92	91	89	90	91	92	70

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO4	S2 CO5	Q1 CO5	AU
	78.15	**74.31**	**86.32**	**73.5**	**82.3**	**98.33**	**99.17**	**100**	**96.67**	**100**	**91.67**	**91.67**
Level	**2**	**2**	**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**2**

Survey:

Survey	**C409.1**	**C409.2**	**C409.3**	**C409.4**	C409.5
Obtained Percentage	91.24	91.94	92.33	91.95	91.39
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C409:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C409.1	2	3	-	-		2.3	2	2.12	**3**	2.3
C409.2	2	3	-	-		2.3	2	2.12	**3**	2.3
C409.3	3	3	-	-		3	2	2.4	**3**	2.52
C409.4	2	-	3	-		2.2	2	2.08	**3**	2.26
C409.5	3	-	3	3		3	2	2.4	**3**	2.52
C409										**2.38**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C409.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C409.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C409.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C409.4	AU Exam	[0.8*Internal Test + 0.2*Assignemt]
C409.5	AU Exam	[0.8*Internal Test + 0.1*Seminar + 0.1*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C409 = \frac{C409.1 + C409.2 + C409.3 + C409.4 + C409.5}{5} = 2.38$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:EE6009 Power Electronics for Renewable Energy Systems -C410E1

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignemnt			Seminar			
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO3	S2 CO4	Q1 CO5	AU
1	132044	96	96	96	94	98	100	100	100	100	100	100	90
2	132104	96	A	86	92	66	100	100	100	100	100	100	80
3	132064	56	0	28	64	52	80	100	100	80	80	80	60
4	132305	36	38	32	52	26	90	100	100	100	90	100	80
5	132313	20	40	32	50	A	100	100	100	100	100	100	0
6	132061	96	88	92	86	94	100	100	100	90	90	90	80
7	132103	92	76	72	A	56	100	100	100	100	100	100	70
8	132306	88	80	80	A	98	100	100	100	100	100	100	80
9	132070	36	2	16	A	A	90	90	80	80	100	80	50
10	132053	96	80	82	74	56	80	100	80	100	80	100	70
11	132062	88	50	72	82	80	90	100	100	100	100	100	80
12	132011	96	90	74	94	68	100	100	100	100	100	100	80
13	132027	92	84	A	82	92	100	100	100	100	100	100	80
14	132303	96	78	92	96	98	100	100	100	100	100	100	80
15	132014	96	54	58	70	60	90	100	100	100	100	100	70
16	132043	A	96	90	92	98	100	100	90	100	100	100	80
17	132310	76	54	60	A	80	100	100	100	100	100	100	80
18	132041	92	40	82	A	76	100	100	100	100	100	100	80
19	132007	96	92	94	A	80	100	100	100	100	100	100	90
20	132058	96	94	82	92	60	100	100	100	100	100	100	70
21	132003	A	96	96	A	68	100	100	100	100	100	100	100
22	132073	96	A	98	A	78	100	100	100	100	100	100	80
23	132067	52	40	66	50	70	100	100	100	100	100	100	60
24	132045	56	A	82	A	28	100	100	100	100	90	90	50
25	132008	88	52	54	A	34	100	100	100	100	90	80	60
26	132040	92	96	82	80	96	90	100	100	100	100	100	90
27	132018	76	20	74	60	74	100	100	100	100	100	100	80
28	132033	60	32	84	72	A	100	100	100	100	100	100	80
29	132016	96	A	90	98	86	100	100	100	100	90	100	90
30	132050	96	86	88	84	96	100	100	100	100	100	100	80
31	142912	88	56	56	66	54	90	100	100	80	80	80	60
32	142915	84	66	52	A	60	100	100	100	100	100	100	50
33	142917	4	66	60	70	74	90	100	100	100	100	100	70
34	142913	84	70	60	66	62	100	100	100	100	100	100	70
35	142920	60	68	64	88	88	90	100	100	90	100	90	70
36	142926	24	60	58	62	60	100	90	90	100	100	100	60
37	142904	36	52	56	70	76	100	100	90	100	100	100	70
38	142927	52	24	70	68	76	100	90	90	100	100	100	60
39	142921	24	70	74	74	60	100	100	100	80	90	90	70
40	132012	96	96	96	78	98	100	90	90	100	93	100	100
41	132069	100	40	A	62	78	90	90	70	92	90	90	80
42	132054	96	68	88	66	66	90	100	90	90	96	100	70
43	132052	96	86	84	68	50	100	100	100	95	98	100	90
44	132063	60	44	48	A	48	70	90	100	98	86	90	70
45	132060	96	36	48	54	40	70	100	100	85	86	100	80

46	132302	52	34	42	54	38	70	90	90	92	95	100	70
47	132051	88	64	64	A	80	100	100	100	95	95	100	80
48	132032	100	66	84	A	88	100	100	100	95	92	100	80
49	132065	88	60	74	46	68	100	100	90	95	92	100	70
50	132071	36	14	34	18	40	70	80	100	85	82	90	50
51	132023	100	90	92	A	94	90	100	100	98	99	100	90
52	132026	100	80	82	88	78	90	100	90	96	98	100	80
53	132025	88	52	56	A	72	100	90	100	95	98	100	80
54	132046	100	84	90	84	86	100	100	100	97	96	100	80
55	132035	100	66	86	86	96	100	100	100	98	97	100	80
56	132013	100	88	92	42	0	80	100	90	90	91	90	80
57	132010	96	82	82	64	68	90	100	100	92	93	100	90
58	132020	96	68	92	38	100	80	100	90	96	97	90	80
59	132015	96	72	84	72	84	90	100	90	92	93	100	70
60	132004	96	72	56	A	58	100	100	90	99	99	100	80
61	132005	96	66	90	80	82	100	100	100	95	96	100	80
62	132028	76	82	88	80	92	90	90	90	100	82	100	80
63	132031	100	90	84	84	96	100	100	90	90	85	100	70
64	132057	96	92	90	86	100	90	100	100	96	86	100	80
65	132056	92	76	92	68	92	90	100	90	97	96	100	80
66	132036	100	90	98	A	100	90	100	100	95	92	100	90
67	132312	96	78	86	68	88	100	100	90	99	91	100	80
68	132021	100	98	98	98	74	100	100	100	95	98	100	80
69	132001	96	94	100	90	98	100	100	100	95	92	100	80
70	132311	92	26	38	40	64	80	80	70	85	92	90	60
71	142916	20	22	32	A	50	70	80	70	85	83	90	70
72	142924	100	68	92	A	90	100	100	90	90	92	100	70
73	142922	60	50	28	56	54	100	90	80	88	91	90	60
74	142908	100	80	94	A	84	90	100	90	92	91	100	70
75	142909	88	56	34	A	30	90	90	80	90	92	90	50
76	142919	100	56	88	74	84	90	90	90	96	95	100	60
77	142902	88	68	54	A	78	100	90	80	94	96	100	70
78	142931	80	76	62	A	62	100	90	80	94	96	100	70
79	142907	96	68	A	56	84	70	100	90	94	95	100	70
80	142925	80	14	18	16	54	80	80	90	80	82	90	70
81	132072	40	18	18	56	38	100	100	100	100	100	100	50
82	132024	76	56	78	68	60	100	100	100	80	100	100	80
83	132068	0	14	52	4	8	100	100	100	100	100	100	90
84	132101	76	30	70	34	60	100	100	100	100	100	100	80
85	132029	52	0	64	66	64	90	100	100	100	100	100	70
86	132042	60	40	56	50	64	100	90	100	100	100	20	70
87	132049	8	14	38	28	10	100	90	100	100	100	100	70
88	132037	80	62	72	52	54	100	80	100	100	100	100	70
89	132006	80	0	76	80	88	100	90	100	100	100	100	80
90	132047	80	56	76	70	92	100	100	100	100	100	70	70
91	132059	84	56	64	80	60	100	100	100	100	100	70	90
92	132055	76	0	50	58	56	100	90	100	100	100	60	60
93	132105	76	36	58	84	78	100	100	100	100	100	80	60
94	132301	80	30	60	52	64	100	100	100	100	100	100	80
95	132048	92	42	66	78	90	100	100	100	100	100	70	80
96	132304	100	78	90	80	100	100	100	100	100	100	100	90

97	132108	52	32	50	62	66	100	80	100	100	100	80	80
98	132017	92	68	84	90	100	100	100	100	100	100	90	100
99	132307	88	50	56	60	76	100	90	100	100	100	90	70
100	132002	92	74	80	82	88	100	100	100	100	100	100	90
101	132009	88	72	84	92	98	100	100	100	100	100	100	90
102	132102	84	0	78	66	94	100	80	100	100	100	100	90
103	132022	92	56	62	76	92	100	100	100	100	100	90	80
104	132019	92	62	82	90	90	100	100	100	100	100	90	90
105	132039	84	78	86	66	98	100	90	100	100	100	90	80
106	132034	0	50	68	72	66	100	100	100	100	90	90	80
107	132107	88	0	40	48	78	100	90	100	100	95	80	80
108	132309	80	40	72	78	80	100	90	100	100	90	80	90
109	132106	80	40	72	78	80	100	90	100	100	90	80	70
110	132030	76	50	62	74	80	100	100	100	100	95	80	60
111	132308	98	44	68	78	70	100	100	100	100	100	100	70
112	142401	84	38	64	66	84	100	100	100	100	100	100	90
113	142933	52	18	24	42	56	100	100	100	100	100	100	70
114	142914	76	22	78	74	60	90	100	100	100	100	100	80
115	142901	92	40	66	78	100	100	100	100	100	100	90	80
116	142911	80	44	64	72	94	100	100	100	100	100	90	80
117	142910	56	22	50	60	60	100	100	100	100	100	90	80
118	142918	84	28	66	58	58	100	100	100	100	100	90	70
119	142903	64	8	34	30	30	100	100	100	100	100	90	60
120	142923	20	16	30	26	34	100	100	100	100	100	100	70

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	S1 CO3	S2 CO4	Q1 CO5	AU
	80.51	**48.28**	**70.09**	**72.92**	**76.92**	**95**	**100**	**97.5**	**100**	**100**	**98.33**	**83.33**
Level	**3**	**0**	**2**	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

Survey:

Survey	**C410E1.1**	**C410E1.2**	**C410E1.3**	**C410E1.4**	C410E1.5
Obtained Percentage	93.53	92.34	93.49	92.96	92.55
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C410E1:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C410E1.1	3	3	-	-		3	3	3	**3**	3
C410E1.2	0	3	-	-		0.9	3	2.16	**3**	2.33
C410E1.3	2	3	3	-		2.3	3	2.72	**3**	2.78
C410E1.4	2	-	3	-		2.2	3	2.68	**3**	2.74
C410E1.5	2	-	-	3		2.2	3	2.68	**3**	2.74
C410E1										**2.72**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C410E1.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C410E1.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C410E1.3	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Seminar]
C410E1.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]
C410E1.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C410E1 = \frac{C410E1.1 + C410E1.2 + C410E1.3 + C410E1.4 + C410E1.5}{5} = 2.72$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:EE6002 VLSI Design -C411

Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No	Roll	Test					Assignemnt			Seminar		
		T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	Q1 CO4	Q2 CO5	AU
1	132044	96	80	96	90	96	90	90	90	90	90	70
2	132104	88	94	86	94	94	90	80	80	90	90	80
3	132064	4	52	12	16	53	90	90	90	90	80	50
4	132305	24	78	36	18	56	90	90	80	90	90	60
5	132313	24	62	36	20	50	80	80	80	90	80	0
6	132061	92	94	82	94	96	90	90	90	90	90	60
7	132103	96	82	70	70	86	90	90	80	90	80	50
8	132306	72	84	86	0	86	90	90	90	90	90	70
9	132070	64	35	4	8	50	90	80	80	90	90	50
10	132053	72	76	32	53	60	90	90	90	90	90	50
11	132062	88	80	68	56	78	90	80	90	90	80	50
12	132011	92	88	94	92	95	90	90	80	90	90	70
13	132027	92	90	88	94	86	90	90	90	90	90	50
14	132303	92	86	90	96	96	90	90	90	90	90	70
15	132014	96	86	70	54	56	90	80	80	90	90	50
16	132043	88	96	82	92	92	80	90	90	90	80	70
17	132310	0	76	50	52	82	90	90	90	90	90	50
18	132041	88	58	70	0	60	80	90	90	90	70	60
19	132007	96	92	88	90	85	90	90	80	90	80	100
20	132058	96	92	94	94	96	80	90	90	90	90	80
21	132003	96	94	94	94	96	90	90	90	90	90	100
22	132073	92	92	92	98	98	90	90	90	90	90	70
23	132067	72	22	16	16	50	90	80	90	90	90	50
24	132045	72	72	52	52	60	90	90	80	90	80	60
25	132008	68	60	56	56	50	80	80	90	90	90	50
26	132040	92	82	90	90	96	90	90	90	90	70	70
27	132018	0	52	50	50	50	80	90	90	90	90	60
28	132033	92	84	96	96	86	90	90	80	90	90	50
29	132016	96	0	96	96	94	90	90	90	90	70	70
30	132050	96	86	0	0	0	80	90	80	90	0	60
31	142912	80	60	50	50	52	90	90	90	90	70	50
32	142915	80	62	60	60	65	90	90	90	90	90	50
33	142917	76	30	50	50	60	90	80	80	90	90	50
34	142913	80	62	52	52	50	90	90	80	90	40	50
35	142920	52	30	80	80	85	80	90	80	90	50	0
36	142926	40	50	28	28	80	90	90	90	90	60	0
37	142904	80	75	80	80	50	90	90	80	90	70	0
38	142927	80	54	50	50	60	90	90	90	90	50	0
39	142921	56	78	20	20	50	90	90	90	90	60	50
40	132012	90	52	80	0	0	90	90	100	0	90	90
41	132069	76	50	0	62	80	90	90	90	62	90	50
42	132054	100	44	96	90	82	90	90	90	90	90	70
43	132052	100	0	86	84	0	90	90	90	84	100	70
44	132063	60	88	32	64	78	85	80	80	64	80	50
45	132060	68	28	68	54	0	90	90	90	54	90	50

46	132302	12	68	40	22	56	80	80	80	22	0	60
47	132051	88	62	82	64	80	90	80	80	64	90	70
48	132032	88	60	88	70	86	90	90	90	70	90	50
49	132065	92	54	40	38	84	90	90	80	38	80	50
50	132071	8	8	14	0	0	80	80	80	0	80	50
51	132023	76	76	0	14	94	90	80	90	14	90	70
52	132026	100	70	60	78	88	90	90	80	78	90	60
53	132025	96	78	80	56	70	80	90	80	56	90	70
54	132046	100	68	92	88	0	100	90	100	88	100	80
55	132035	92	0	90	78	88	90	90	90	78	90	80
56	132013	92	84	6	0	50	80	80	0	0	80	80
57	132010	92	96	62	74	90	100	100	100	74	100	70
58	132020	100	80	82	90	94	100	90	90	90	90	70
59	132015	90	36	82	88	94	90	100	90	88	100	60
60	132004	100	56	76	92	96	100	100	100	92	100	80
61	132005	90	76	76	90	0	90	100	90	90	100	70
62	132028	96	72	98	88	90	90	100	100	100	100	80
63	132031	96	72	80	84	0	90	100	100	100	100	80
64	132057	100	86	98	98	90	90	100	100	100	100	80
65	132056	100	72	92	88	92	100	100	100	100	100	80
66	132036	96	90	98	90	98	90	100	100	100	100	90
67	132312	92	82	80	94	90	90	90	90	100	100	60
68	132021	84	82	68	0	92	90	90	100	100	100	60
69	132001	80	96	74	90	96	90	100	100	100	100	80
70	132311	0	70	20	50	70	80	80	0	80	80	50
71	142916	8	68	12	42	50	80	80	80	80	80	0
72	142924	100	76	0	76	0	80	90	90	90	90	60
73	142922	0	4	0	32	56	100	80	80	90	80	50
74	142908	100	92	0	84	0	90	100	100	100	100	70
75	142909	40	74	32	60	0	80	80	0	80	90	50
76	142919	96	84	90	76	90	90	100	100	100	100	70
77	142902	88	66	54	64	0	80	80	80	90	80	60
78	142931	0	90	30	60	60	80	100	100	80	80	50
79	142907	96	70	88	94	0	90	100	100	100	100	80
80	142925	16	0	8	28	50	80	80	80	90	90	0
81	132072	8	26	56	30	56	100	100	100	100	100	90
82	132024	92	94	90	80	90	100	100	100	100	100	80
83	132068	0	0	24	60	60	100	100	100	100	100	50
84	132101	84	84	56	68	68	100	100	100	100	100	50
85	132029	92	96	78	96	90	100	100	100	100	100	70
86	132042	76	96	86	90	94	100	100	100	100	100	70
87	132049	16	88	28	34	30	100	100	100	100	100	50
88	132037	92	20	80	64	64	100	100	100	100	100	60
89	132006	96	98	98	96	96	100	100	100	100	100	70
90	132047	92	96	78	90	90	100	100	100	100	100	80
91	132059	96	96	88	60	60	100	100	100	100	100	70
92	132055	40	92	26	40	40	100	100	100	100	100	70
93	132105	96	92	98	88	60	100	100	100	100	100	60
94	132301	72	60	76	56	90	100	100	100	100	100	70
95	132048	100	100	82	90	94	100	100	100	100	100	70
96	132304	100	96	82	94	90	100	100	100	100	100	80

97	132108	72	40	60	50	86	100	100	100	100	100	60
98	132017	100	98	86	100	92	100	100	100	100	100	90
99	132307	96	92	68	88	88	100	100	100	100	100	60
100	132002	88	96	92	70	78	100	100	100	100	100	80
101	132009	96	94	88	96	96	100	100	100	100	100	70
102	132102	96	84	66	72	72	100	100	100	100	100	70
103	132022	92	96	80	88	88	100	100	100	100	100	70
104	132019	96	96	96	98	98	100	100	100	100	100	70
105	132039	100	92	100	96	84	100	100	100	100	100	70
106	132034	88	92	84	84	84	100	100	100	100	100	50
107	132107	72	88	84	92	92	100	100	100	100	100	50
108	132309	100	100	100	100	100	100	100	100	100	100	70
109	132106	92	92	64	72	96	100	100	100	100	100	50
110	132030	92	96	82	88	98	100	100	100	100	100	50
111	132308	92	80	66	82	84	100	100	100	100	100	50
112	142401	96	96	72	88	98	100	100	100	100	100	50
113	142933	0	36	80	60	60	100	100	100	100	100	70
114	142914	92	88	90	84	96	100	100	100	100	100	50
115	142901	96	88	84	70	88	100	100	100	100	100	70
116	142911	68	96	64	80	86	100	100	100	100	100	60
117	142910	80	96	76	76	76	100	100	100	100	100	50
118	142918	96	0	90	60	94	100	100	100	100	100	0
119	142903	76	64	50	30	96	100	100	100	100	100	50
120	142923	40	96	72	32	40	100	100	100	100	100	70

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	T1 CO1	T2 CO2	T3 CO3	T4 CO4	T5 CO5	A1 CO1	A2 CO2	A3 CO3	Q1 CO4	Q2 CO5	AU
	81.67	**76.67**	**67.5**	**65.83**	**71.67**	**100**	**100**	**97.5**	**90.83**	**94.17**	**46.67**
Level	**3**	**2**	**1**	**1**	**2**	**3**	**3**	**3**	**3**	**3**	**0**

Survey:

Survey	**C411.1**	**C411.2**	**C411.3**	**C411.4**	C411.5
Obtained Percentage	92.01	91.08	89.91	89.36	90.11
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C411:

Course	IT	A	S	Q	T	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C411.1	3	3		-		3	0	1.2	**3**	1.56
C411.2	2	3		-		2.3	0	0.92	**3**	1.34
C411.3	1	3		-		1.6	0	0.64	**3**	1.11
C411.4	1	-		3		1.4	0	0.56	**3**	1.05
C411.5	2	-		3		2.2	0	0.88	**3**	1.3
C411										**1.27**

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C411.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C411.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C411.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]
C411.4	AU Exam	[0.8*Internal Test + 0.2*Quiz]
C411.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C411 = \frac{C411.1 + C411.2 + C411.3 + C411.4 + C411.5}{5} = 1.27$$

KLNCE/B.E - EEE – 2013-2017 Batch – Course:EE6811 Project Work -C412

Review/AU marks

S.No	Roll	Assignemnt			
		R1	R2	R3	AU
1	132044	97	98	98	100
2	132104	97	98	98	100
3	132064	90	94	92	100
4	132305	92	92	92	100
5	132313	84	87	92	90
6	132061	97	98	98	100
7	132103	98	97	98	100
8	132306	97	98	98	100
9	132070	75	78	86	80
10	132053	90	92	94	100
11	132062	96	96	97	100
12	132011	95	96	97	100
13	132027	88	92	95	100
14	132303	88	92	95	100
15	132014	88	92	95	100
16	132043	97	98	98	100
17	132310	94	96	97	100
18	132041	97	98	98	100
19	132007	95	96	96	100
20	132058	96	96	97	100
21	132003	97	98	98	100
22	132073	97	98	98	100
23	132067	90	92	94	100
24	132045	90	92	94	100
25	132008	90	92	94	100
26	132040	95	96	96	100
27	132018	91	92	92	100
28	132033	91	92	92	100
29	132016	97	98	98	100
30	132050	95	96	96	100
31	132012	95	99	99	90
32	132069	94	94	97	100
33	132054	96	94	99	100
34	132052	99	99	98	100
35	132063	96	95	99	100
36	132060	96	95	99	100
37	132302	96	95	99	100
38	132051	99	99	98	100
39	132032	99	99	98	100
40	132065	96	94	99	100
41	132071	96	94	99	100
42	132023	99	99	98	100
43	132026	95	99	99	100
44	132025	96	94	99	100
45	132046	99	99	98	100
46	132035	99	99	98	100

47	132013	96	94	99	100
48	132010	95	99	99	100
49	132020	96	95	99	100
50	132015	95	99	99	100
51	132004	95	99	99	100
52	132005	96	95	99	100
53	132028	96	95	99	100
54	132031	96	95	99	100
55	132057	95	99	99	100
56	132056	99	99	98	100
57	132036	99	99	98	100
58	132312	99	99	98	100
59	132021	99	99	98	100
60	132001	99	99	98	100
61	132311	96	94	99	100
62	132072	97	96	97	100
63	132024	98	96	99	100
64	132068	98	99	99	100
65	132101	98	99	99	100
66	132029	97	98	99	100
67	132042	98	99	99	100
68	132049	99	98	99	100
69	132037	97	98	98	100
70	132006	98	99	99	100
71	132047	98	99	99	90
72	132059	97	98	98	100
73	132055	99	98	99	100
74	132105	98	99	99	100
75	132301	98	99	99	100
76	132048	98	98	99	100
77	132304	98	99	99	100
78	132108	99	98	99	90
79	132017	99	98	99	100
80	132307	98	99	99	90
81	132002	97	98	99	100
82	132009	98	99	99	100
83	132102	98	99	99	100
84	132022	97	98	99	100
85	132019	98	99	99	100
86	132039	97	97	99	100
87	132034	98	99	99	100
88	132107	97	98	99	100
89	132309	99	99	98	100
90	132106	98	99	97	100
91	132030	99	99	99	100
92	132308	98	99	99	100
93	142912	86	88	90	100
94	142915	90	92	94	100
95	142917	90	92	94	100
96	142913	95	96	96	100
97	142920	90	90	96	100

98	142926	87	88	94	100
99	142904	90	92	94	100
100	142927	92	92	93	100
101	142921	95	96	96	100
102	142916	94	94	97	100
103	142924	96	95	99	100
104	142922	94	94	97	100
105	142908	95	99	99	100
106	142909	96	94	99	100
107	142919	99	99	98	100
108	142902	96	95	99	100
109	142931	96	94	99	100
110	142907	96	94	99	100
111	142925	94	94	97	100
112	142933	98	99	99	100
113	142914	99	98	99	100
114	142901	98	99	99	100
115	142911	98	99	99	100
116	142910	99	98	99	100
117	142918	98	99	99	100
118	142903	99	99	99	100
119	142923	97	98	99	100
120	142401	99	98	99	100

% of Students secured ≥60 marks in CITs,≥80 in assignment and ≥C (7) grade in AU marks

	R1	R2	R3	AU
	99.17	**99.17**	**100**	**99.17**
Level	**3**	**3**	**3**	**3**

Survey:

Survey	**C412.1**	**C412.2**	**C412.3**	**C412.4**	C412.5
Obtained Percentage	94.3	93.74	93.72	95.63	93.93
Level Obtained	3	3	3	3	3
Survey Level: If Obtained percentage ≥ 80 ; 3 If Obtained percentage ≥ 70 ; 2 If Obtained percentage ≥ 60 ; 1; Otherwise = 0					

Attainment Calculation:

Course Outcome Attainment – C412:

Course	IA®	AU Exam	Direct Attainment	Survey	Overall attainment
C412.1	3	3	3	3	3
C412.2	3	3	3	3	3
C412.3	3	3	3	3	3
C412.4	3	3	3	3	3
C412.5	3	3	3	3	3
C412					3s

CO	Direct Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	Internal Assessment (IA)

Over All Attainment = 0.8*Direct Attainment + 0.2*Survey

$$C412 = \frac{C412.1 + C412.2 + C412.3 + C412.4 + C412.5}{5} = 3$$