K.L.N. COLLEGE OF ENGINEERING

POTTAPALAYAM – 630612

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CO, PO, PSO ATTAINMENT

2012 – 2016 BATCH

Prepared By: (Program Assessment Committee)

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.

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

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S.No	Course code	Course	Course Name	Page Number	
				CO	CO Calculation
SEMESTER-I					
1.	HS2111	C101	Technical English - I	3	50
2.	MA2111	C102	Mathematics - I	3	53
3.	PH2111	C103	Engineering Physics - I	3	56
4.	CY2111	C104	Engineering Chemistry - I	3	59
5.	GE2111	C106	Engineering Graphics	4	65
6.	GE2112	C105	Fundamentals of Computing and Programming	4	62
7.	GE2115	C107	Computer Practices Laboratory – I	4	68
8.	GE2116	C108	Engineering Practices Laboratory	4	71
9.		C109	Physics and Chemistry Laboratory - I		
SEMESTER-II					
10.	HS2161	C110	Technical English – II	5	74
11.	MA2161	C111	Mathematics – II	5	77
12.	PH2161	C112	Engineering Physics – II	5	80
13.	CY2161	C113	Engineering Chemistry – II	5	83
14.	EE2151	C115	Circuit Theory	6	86
15.	GE2152	C114	Basic Civil and Mechanical Engineering	6	89
16.	GE2155	C117	Computer Practices Laboratory – II	6	92
17.	GS2165	C116	Physics and Chemistry Laboratory - II	6	95
18.	EE2155	C118	Electrical Circuits Laboratory	6	98
SEMESTER-III					
19.	MA2211	C201	Transforms and Partial Differential Equations	7	101
20.	EE2201	C214	Measurements & Instrumentation	8	106
21.	EE2202	C203	Electromagnetic Theory	7	110
22.	GE2021	C204	Environmental Science and Engineering	7	114
23.	EE2203	C205	Electronic Devices and Circuits	8	118
24.	EE2204	C217C	Data Structures and Algorithms	10	122
25.	EE2207	C207	Electron Devices and Circuits Laboratory	8	126
26.	EE2209	C218C	Data Structures and Algorithm Laboratory	10	130
27.	EE2208	C307MI	Measurements & Instrumentation Laboratory	12	134
SEMESTER-IV					
28.	MA2264	C209	Numerical Methods	8	138
29.	EE2251	C210	Electrical Machines – I	8	142
30.	EE2252	C303	Power Plant Engineering	11	146
31.	EE2253	C306	Control Systems	12	150
32.	EE2254	C206	Linear Integrated Circuits and Applications	8	154
33.	EE2255	C202	Digital Logic Circuits	7	158
34.	EE2257	C307	Control Systems Laboratory	12	162
35.	EE2258	C208	Linear and Digital Integrated Circuits Laboratory	8	166
36.	EE2259	C216	Electrical Machines Laboratory - I	10	170
SEMESTER-V					
37.	EC2311	C310	Communication Engineering	13	174
38.	EC2314	C213	Digital Signal Processing	9	178
39.	CS2311	C211	Object Oriented Programming	9	182
40.	EE2301	C304	Power Electronics	11	186
41.	EE2302	C305	Electrical Machines – II	11	190
42.	EE2303	C212	Transmission & Distribution	9	194
43.	CS2312	C215	Object Oriented Programming Laboratory	9	198
44.	GE2321	C308	Communication Skills Laboratory	12	202
45.	EE2304	C316	Power Electronics Laboratory	14	206
46.	EE2305	C309	Electrical Machines Laboratory – II	12	210

S.No	Course code	Course	Course Name	Page Number	
				CO	CO Calculation
SEMESTER-VI					
47.	EE2351	C301	Power System Analysis	10	214
48.	EE2352	C311	Solid State Drives	13	218
49.	EE2353	C401	High Voltage Engineering	15	222
50.	EE2354	C302	Microprocessor and Microcontroller	11	226
51.	EE2355	C314	Design of Electrical Machines	13	230
52.	CS2363	C319C	Computer Networks	15	234
53.	EE6002	C315E3	Elective – I- Power System Transients	14	238
54.	EE2356	C317	Microprocessors and Microcontrollers Lab	14	242
55.	EE2357	C318	Presentation Skills and Technical Seminar	14	245
SEMESTER-VII					
56.	EE2401	C313	Power System Operation and Control	13	249
57.	EE2402	C402	Protection and Switchgear	15	253
58.	EE2403	C403	Special Electrical Machines	15	257
59.	MG2351	C404	Principles of Management	15	261
60.	CS2411	C413C	Operating Systems	17	265
61.	EI6704	C405E2	Elective – II -Biomedical Instrumentation	16	269
62.	EE2404	C407	Power System Simulation Laboratory	16	273
63.	EE2405	C408	Comprehension	16	277
SEMESTER-VIII					
64.	EE2451	C409	Electric Energy Generation, Utilization and Conservation	16	281
65.	EE6005	C405E4	Elective – III - Power Quality	17	285
66.	EE6004	C405E3	Elective – IV – Flexible AC Transmission Systems	17	289
67.	EE2452	C412	Project Work	17	293

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REGULATION: 2008-Chennai

Batch- 2012-2016

B.E-EEE- I to VIII SEMESTER CURRICULUM

S.No	Course code	Course	Course Name	L	T	P	C
SEMESTER-I							
1.	HS2111	C101	Technical English - I	3	1	0	4
2.	MA2111	C102	Mathematics - I	3	1	0	4
3.	PH2111	C103	Engineering Physics - I	3	0	0	3
4.	CY2111	C104	Engineering Chemistry - I	3	0	0	3
5.	GE2111	C106	Engineering Graphics	2	0	3	4
6.	GE2112	C105	Fundamentals of Computing and Programming	3	0	0	3
7.	GE2115	C107	Computer Practices Laboratory – I	0	0	3	2
8.	GE2116	C108	Engineering Practices Laboratory	0	0	3	2
9.		C109	Physics and Chemistry Laboratory - I	0	0	2	1
SEMESTER-II							
10.	HS2161	C110	Technical English – II	3	1	0	4
11.	MA2161	C111	Mathematics – II	3	1	0	4
12.	PH2161	C112	Engineering Physics – II	3	0	0	3
13.	CY2161	C113	Engineering Chemistry – II	3	0	0	3
14.	EE2151	C115	Circuit Theory	3	1	0	4
15.	GE2152	C114	Basic Civil and Mechanical Engineering	4	0	0	4
16.	GE2155	C117	Computer Practices Laboratory – II	0	1	2	2
17.	GS2165	C116	Physics and Chemistry Laboratory - II	0	0	3	2
18.	EE2155	C118	Electrical Circuits Laboratory	0	0	3	2
SEMESTER-III							
19.	MA2211	C201	Transforms and Partial Differential Equations	3	1	0	4
20.	EE2201	C214	Measurements & Instrumentation	3	0	0	3
21.	EE2202	C203	Electromagnetic Theory	3	1	0	4
22.	GE2021	C204	Environmental Science and Engineering	3	0	0	3
23.	EE2203	C205	Electronic Devices and Circuits	3	0	0	3
24.	EE2204	C217C	Data Structures and Algorithms	3	1	0	4
25.	EE2207	C207	Electron Devices and Circuits Laboratory	0	0	3	2
26.	EE2209	C218C	Data Structures and Algorithm Laboratory	0	0	3	2
27.	EE2208	C307MI	Measurements & Instrumentation Laboratory	0	0	3	2
SEMESTER-IV							
28.	MA2264	C209	Numerical Methods	3	1	0	4
29.	EE2251	C210	Electrical Machines – I	3	1	0	4
30.	EE2252	C303	Power Plant Engineering	3	1	0	3
31.	EE2253	C306	Control Systems	3	1	0	3
32.	EE2254	C206	Linear Integrated Circuits and Applications	3	0	0	3
33.	EE2255	C202	Digital Logic Circuits	3	1	0	4
34.	EE2257	C307	Control Systems Laboratory	0	0	3	2
35.	EE2258	C208	Linear and Digital Integrated Circuits Laboratory	0	0	3	2
36.	EE2259	C216	Electrical Machines Laboratory - I	0	0	3	2

S.No	Course code	Course	Course Name	L	T	P	C
SEMESTER-V							
37.	EC2311	C310	Communication Engineering	3	0	0	3
38.	EC2314	C213	Digital Signal Processing	3	1	0	4
39.	CS2311	C211	Object Oriented Programming	3	0	0	3
40.	EE2301	C304	Power Electronics	3	0	0	3
41.	EE2302	C305	Electrical Machines – II	3	1	0	4
42.	EE2303	C212	Transmission & Distribution	3	1	0	4
43.	CS2312	C215	Object Oriented Programming Laboratory	0	0	3	2
44.	GE2321	C308	Communication Skills Laboratory	0	0	4	2
45.	EE2304	C316	Power Electronics Laboratory	0	0	3	2
46.	EE2305	C309	Electrical Machines Laboratory – II	0	0	3	2
SEMESTER-VI							
47.	EE2351	C301	Power System Analysis	3	1	0	4
48.	EE2352	C311	Solid State Drives	3	0	0	3
49.	EE2353	C401	High Voltage Engineering	3	0	0	3
50.	EE2354	C302	Microprocessor and Microcontroller	3	0	0	3
51.	EE2355	C314	Design of Electrical Machines	3	1	0	4
52.	CS2363	C319	Computer Networks	3	0	0	3
53.	EE6002	C315E3	Elective – I- Power System Transients	3	0	0	4
54.	EE2356	C317	Microprocessors and Microcontrollers Laboratory	0	0	3	2
55.	EE2357	C318	Presentation Skills and Technical Seminar	0	0	2	1
SEMESTER-VII							
56.	EE2401	C313	Power System Operation and Control	3	0	0	3
57.	EE2402	C402	Protection and Switchgear	3	0	0	3
58.	EE2403	C403	Special Electrical Machines	3	0	0	3
59.	MG2351	C404	Principles of Management	3	0	0	3
60.	CS2411	C413	Operating Systems	3	0	0	3
61.	EI6704	C405E2	Elective – II -Biomedical Instrumentation	3	0	0	3
62.	EE2404	C407	Power System Simulation Laboratory	0	0	3	2
63.	EE2405	C408	Comprehension	0	0	2	1
SEMESTER-VIII							
64.	EE2451	C409	Electric Energy Generation, Utilization and Conservation	3	0	0	3
65.	EE6005	C405E4	Elective – III - Power Quality	3	0	0	3
66.	EE6004	C405E3	Elective – IV – Flexible AC Transmission Systems	3	0	0	3
67.	EE2452	C412	Project Work	0	0	12	6

K.L.N. COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
BATCH 2012-2016
REGULATION – 2008
B.E. ELECTRICAL AND ELECTRONICS ENGINEERING
COURSE OUTCOMES (CO)

HS 2111 – Technical English-1 – (C101)

C101.1	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.
C101.2	Use appropriate technologies to organize, present, and communicate information to address a range of audiences, purposes, and genres.
C101.3	Apply the collaborative and social aspects of research and writing processes
C101.4	Demonstrate the role of a variety of technologies/media in accessing, retrieving, managing, and communicating information.
C101.5	Explain the relationships among language, knowledge, and power including social, cultural, historical, and economic issues related to information, writing, and technology.

MA 2111 – Mathematics-1 – (C102)

C102.1	Find the Eigen values and Eigen vectors to diagonalise and reduce a matrix to quadratic form.
C102.2	Determine the equation of straight line, plane and sphere in three dimension.
C102.3	Obtain the evolutes and envelopes of a given curve by using radius of curvature and center of curvature.
C102.4	Calculate the maxima and minima value for functions of two variables.
C102.5	Find the area of plane curves and volume of solids using double and triple integrals.

PH 2111 – Engineering Physics-1 – (C103)

C103.1	Illustrate the production, detection and application of ultrasonics
C103.2	Employ the characteristics of LASER for useful application
C103.3	Examine the optical fiber for useful application
C103.4	Explain black body radiation, properties of matter waves and Schrodinger wave equations
C103.5	Classify the Bravais lattices and different types of crystal structures, growth techniques and defects

CY 2111 – Engineering Chemistry-1 – (C104)

C104.1	Able to explain the methods of treatment of water for boiler use and domestic use.
C104.2	Able to know the significance of Adsorption in catalyst and also in pollution control.
C104.3	Able to explain the electrochemical reaction, types of electrodes and emf of a cell and its applications.
C104.4	Able to know the methodology and harvesting energy from nonconventional energy sources.
C104.5	5. Able to explain the principle and instrumentation of various spectroscopic techniques.

GE2112-Fundamentals of Computing and Programming-[C105]

C105.1	Explain the basic organization of Digital Computers and apply the basic concepts of Number System to solve conversion problems.
C105.2	Explain the basic software components of a Computer system and also about basic Internet terminology.
C105.3	Develop Algorithm, Flowchart and Pseudo code to solve simple problems.
C105.4	Apply 'C' programming fundamentals to solve problems using decision making, branching and looping statements.
C105.5	Develop 'C' programs using functions, pointers, structure and union.

GE2111- Engineering Graphics [C106]

C106.1	Sketch the conic sections, special curves, and draw 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	Sketch the projections of simple solids like prisms, pyramids, cylinder and cone and obtain the traces of plane figures.
C106.4	Practice the sectional views of solids like cube, prisms, pyramids, cylinders & cones and extend its lateral surfaces.
C106.5	Sketch the perspective projection of simple solids, truncated prisms, pyramids, cone and cylinders and sketch the isometric projection of simple machine parts.

GE2115 – Computer Practices Laboratory -1 (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.

GE2116 – 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.
C108.6	Apply the knowledge of pipeline connections to household fittings and industrial buildings.
C108.7	Prepare the different joints in roofs, doors, windows and furniture.
C108.8	Perform step turning operation in a lathe.
C108.9	Perform the various welding processes and know about its applications.
C108.10	Produce a funnel using sheet metal.

HS2161-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.

MA2161-Mathematics-II - [C111]

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

PH2161 – 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 semiconductors and identify the p-type and n-type semiconductor 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 glasses, SMA, Nanomaterials and carbon nanotubes

CY2161 – Engineering Chemistry –II – [C113]

C113.1	Able to explain the electrochemical reaction, types of electrodes and emf of a cell and its applications.
C113.2	Able to explain different types of corrosion and its consequences and also its preventions.
C113.3	Able to explain the types of fuels like solid, liquid and gaseous fuel and calculate the GCV, LCV stoichiometry of fuel and air ratio and analysis of flue gas.
C113.4	Able to analyze the phase transitions of one component and two component systems and the types of alloys and their significance in industries.
C113.5	Able to explain the principle and instrumentation of various spectroscopic techniques.

GE2152- 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 2151 – 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.

GS2165 - Physics and Chemistry Laboratory – II-[C116]

C116.1	Evaluate the wavelength of spectral lines using spectrometer and the wavelength of laser, particle size, acceptance angle of an optical fiber using semiconductor diode laser.
C116.2	Appraise the Young's modulus of the beam by non-uniform bending method, the velocity of sound and compressibility of the liquid using ultrasonic interferometer and thermal conductivity for bad conductors using Lee's disc apparatus.
C116.3	Determine the DO content in water sample by winkler's method and molecular weight of polymer by Ostwald viscometer.
C116.4	Find the strength of an acid using pH meter and conductometer.
C116.5	Estimate the amount of weak and strong acids in a mixture by conductometer.

GE2155 COMPUTER PRACTICE LABORATORY – II [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.

EE2155 ELECTRICAL CIRCUIT LABORATORY – (C118)

C118.1	Apply KCL, KVL and ohms law to Simple circuits.
C118.2	Apply Network theorems to Simple and Complex circuits.
C118.3	Determine the self-inductance of the coil.
C118.4	Determine the Transient response of RL and RC circuits.
C118.5	Determine the frequency response of resonant and coupled circuits

MA2211- Transforms and Partial Differential Equations [C201]

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

EE2255-Digital Logic Circuits-[C202]

C202.1	Apply K –Map and Quine McCluskey for simplification and implementation of combinational logic circuit.
C202.2	Analyze and Design the synchronous Sequential logic circuits and counters.
C202.3	Design of asynchronous sequential circuits and draw the state diagram.
C202.4	Explain the operation of Programmable Logic Devices and compare the digital logic families.
C202.5	Write the VHDL coding for combinational logic and Sequential circuits

EE2202-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.

GE2021 – Environmental Science and Engineering (C204)

C204.1	Explain the importance of environment, its purpose, design, perspectives and Environmental issues related to the exploitation of natural resources and development of the mankind.
C204.2	Describe the importance of moving from Non-Renewable energy sources to Renewable energy sources and Role of an Individual in conservation of natural resources
C204.3	Justify the importance of conservation of Biodiversity and Role of professionals in protecting the environment from degradation
C204.4	Describe the harmony in nature, interconnectedness and mutual fulfillment in nature, holistic perception of harmony and the natural acceptance of human values, competence in professional ethics.
C204.5	Summarize the solutions for environmental problems created by increasing Human population and need for value education

EE2203 - Electronic Devices and Circuits – [C205]

C205.1	Draw the characteristics of various types of Diodes, explain the operation of Rectifiers.
C205.2	Compare the different configurations of BJT, draw its characteristics.
C205.3	Calculate the gain of BJT and MOSFET amplifier
C205.4	Derive the parameters of feedback amplifier circuit, describe different types of oscillator circuits.
C205.5	Analyse the operation of Multivibrators, Draw the output waveforms of RC wave shaping circuits.

EE254 – 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.

EE2207 – Electron Devices and Circuits 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 2258 – 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.

MA2264-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

EE2251-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

CS2311-Object Oriented Programming-[C211]

C211.1	Migrate from procedural programming to object oriented programming.
C211.2	Explain general concepts of object creation and destruction.
C211.3	Recognize templates, exceptions and generic programming.
C211.4	Describe the specifications involving the concepts of Inheritance and reusability.
C211.5	Design and develop multithreaded programs in java.

EE 2303 – 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.

EC2314-Digital 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.

EE2201– 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.

CS2312- Object Oriented programming Laboratory-[C215]

C215.1	Develop a simple program in C++ using functions.
C215.2	Design classes and objects with constructors and destructors.
C215.3	Create programs using the concept of compile time polymorphism and function overloading.
C215.4	Apply hierarchical programs using inheritance and virtual functions.
C215.5	Test various files in sequence and as random.

EE2259-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

EE2204 – Data structures and algorithms – (C217C)

C217C .1	Demonstrate and solve set of operations on linear data structures such as LIST, STACK and QUEUE.
C217C.2	Construct, identify & name different type of trees and solve set of operations on binary tree and Binary search tree.
C217C.3	Reconstruct the tree as a AVL tree, Heap & B-Tree and solve hash table for different hashing techniques.
C217C .4	Identify, name different type of graph and solve topological sorting, shortest path problems and minimum spanning tree for a given graph.
C217C .5	Design, analyze various algorithms using data structures and estimate the efficiency of algorithms using asymptotic notations.

EE2209 – Data structures and algorithms Laboratory– (C218C)

C218C .1	Demonstrate and solve set of operations on linear data structures such as LIST, STACK and QUEUE using C programming.
C218C.2	Construct different type of trees and solve set of operations on binary tree and Binary search tree using C programming.
C218C.3	Construct AVL tree, Heap & B-Tree and solve hash table for different hashing techniques using C programming.
C218C .4	Solve topological sorting, shortest path problems and minimum spanning tree for a given graph using C programming.
C218C .5	Design, analyze different algorithms using C programming.

EE 2351 – 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 2354 – 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

EE2252– Power Plant Engineering – (C303)

C303.1	Differentiate the various types of thermodynamic cycles, Draw block diagram and describe the operation of thermal power plant with auxiliary equipments.
C303.2	Clarify the operation of hydro power plants with layout, Select and Governing the water turbines.
C303.3	Describe the layout of subsystems of various nuclear power plants and express safety measures for nuclear power plants.
C303.4	Demonstrate the working of different types of gas turbines with block diagram, analyze the methods to improve the thermal efficiency and explain the operation of diesel power plant with layout.
C303.5	Explain the operation of non-conventional power generations such as solar energy collectors, OTEC, wind power plants, Tidal,Geo thermal resources, fuel cell MHD power generation thermo electric power generation and thermionic power generation

EE2301 - 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.

EE2301-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.

EE2253- Control systems – (**C306**)

C306.1	Derive the relation between input & output of physical systems and write the corresponding differential equations.
C306.2	Analyze the behavior of system responses to standard input test signals
C306.3	Determine the frequency response of a given transfer functions.
C306.4	State the importance of root locus technique for finding stability for the given system.
C306.5	Design a suitable compensator (lead/lag/lead-lag) for the given system

EE2208- Measurements & Instrumentation Laboratory –(C307MI)

C307.1	Measure physical parameters like displacement and pressure and apply MATLAB to study transients.
C307.2	Design and construct suitable bridge to measure inductance, capacitance & resistance.
C307.3	Convert Analog to digital and vice-versa.
C307.4	Calibrate the energy meter and current transformer.
C307.5	Determine power, power factor of the circuit and iron losses.

EE2257 - Control Systems Laboratory – (C307CS)

C307CS.1	Perform the experiment on AC Servomotor to find the transfer function and derive the transfer function for the given first order system and simulate using MATLAB.
C307CS.2	Derive the transfer function for the given second order system and simulate using MATLAB, use Type-0 & Type-1 system to find its system parameters.
C307CS.3	Perform the experiment on Generator & on Armature controlled DC motor to find the transfer function.
C307CS.4	Perform the experiment on Field controlled DC Motor to find the transfer function & to assess the stability of linear system from simulated results.
C307CS.5	Perform the experiment on DC & AC position control system to find their transient response & program the stepper motor to run on different step angles using microprocessor kit.

GE2321- Communication Skills Laboratory – (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.

EE2305-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

EC2311-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

EE2352– 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 2401 – 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 2355 - 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.

EE2027-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.

EE2304-Power Electronics Laboratory – (C316)

C316.1	Draw the VI characteristics of SCR and TRIAC
C316.2	Analyze the characteristics of MOSFET and IGBT
C316.3	Design a single phase AC to DC half and fully controlled converter.
C316.4	Analyze the output response of step down chopper and step up MOSFET and draw the output waveforms of single phase IGBT based PWM inverter.
C316.5	Observe the response of IGBT based three-phase PWM inverter and Resonant dc-to-dc converter

EE 2356 – 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 2357 – 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.

CS2363 – Computer Networks– (C319C)

C319C .1	Draw the architecture of network model and explain the operation of bridges.
C319C.2	Compare the main header fields of IPv4 and IPv6. Describe the routing algorithm.
C319C.3	Discuss the TCP segment header and categories the congestion control techniques.
C319C .4	Classify the compression method and describe cryptography.
C319C .5	Explain the importance of SNMP and draw the header format of DN

EE2353- 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

EE2402- 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	Discriminate the characteristics of various relays and list out the various faults that can occur on alternator, transformer, busbar and transmission line
C402.4	Derive the expression for RRRV, critical resistance value and explain the problems of inductive and capacitive current breaking
C402.5	Compare the various types of circuit breakers and list out the testing to be carried on circuit breaker manufacturing.

EE2403-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.

MG2351-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 2311 – Biomedical Instrumentation – (C405E2)

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

EE 2404 – 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.

EE2405 -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.

EE2451-Electric Energy Generation, Utilization and Conservation – [C409]

C409.1	Discuss the effect of distributed generation on power system operation and explain the construction & working principles of conventional and non-conventional power plants.
C409.2	Evaluate the cost of electrical energy and discuss the importance of Electrical Energy conservation, Energy auditing
C409.3	Categorize different light sources and design various illumination systems for the indoor lighting schemes, factory lighting, halls, outdoor lighting schemes, flood lighting, street lighting.
C409.4	Design heating element, compare the different methods of electric heating and types of electric welding
C409.5	Evaluate tractive effort for the propulsion of train, name the traction motors, list the traction motor control, track equipment and collection gear.

EE2028-Power Quality-C405E4

C405E4.1	Discuss the various types of power quality problem
C405E4.2	Analyze the sources ,types and mitigation of voltage sag problem
C405E4.3	Analyze the sources , types and mitigation of over voltage issues and model of over voltage problem with computer software tools.
C405E4.4	Evaluate the effects of harmonics on power system equipments and analyze the methods of controlling of harmonics.
C405E4.5	Explain the principle of operation of various types of power quality monitoring devices.

EE2036-Flexible AC Transmission Systems – C405E3

C405E3.1	Explain the reactive power control in electrical power transmission lines and the importance of FACTS devices.
C405E3.2	Analyze the operation, performance and applications of SVC
C405E3.3	Outline the operation, modeling and applications of TCSC
C405E3.4	Analyze the performance of VSC based FACTS devices
C405E3.5	Discuss the FACTS controller interactions and coordination of FACTS controllers.

EE2452 – 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.

CS2411 – Operating Systems – (C413C)

C413C.1	Explain different types of operating systems and the components of an OS with threading issues and multi-threading model.
C413C.2	Analyze the waiting time and turnaround time for various CPU scheduling algorithms and solve deadlock avoidance problem using Banker's Algorithm.
C413C.3	Describe the hardware protection mechanism for Paging, Segmentation and Segmentation with paging and find the number of page faults for various page replacements Algorithm.
C413C.4	Elaborate various file access methods and it's allocation methods and implement various directory structures and perform operations on directory.
C413C.5	Evaluate the total head movements for various disk scheduling algorithms and describe various I/O in Linux.

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Mapping of Course with POs and PSOs

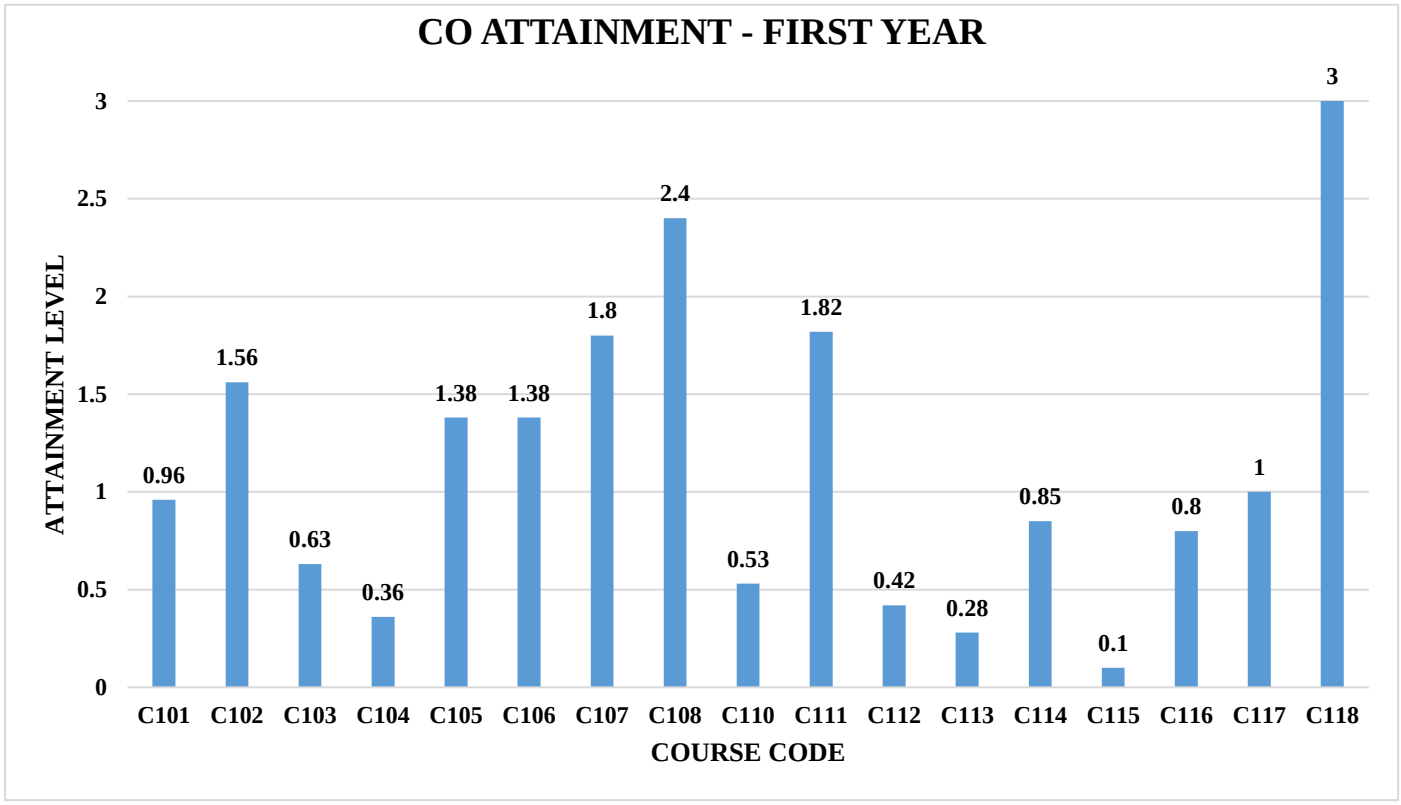
Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	-	1	-	-	-	-	1	-	2	2	-	1	1	1	1
C102	2	2	-	-	2	-	-	-	-	-	-	1	2	1	-
C103	2	2	-	-	-	-	-	-	-	-	-	1	1	-	-
C104	2	2	-	-	-	-	-	-	-	-	-	1	1	-	-
C105	2	3	-	-	1	-	-	-	-	-	-	1	1	1	-
C106	1	2	-	-	-	1	-	-	-	1	-	-	1	-	1
C107	1	3	-	-	-	-	-	-	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	-	-
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	-

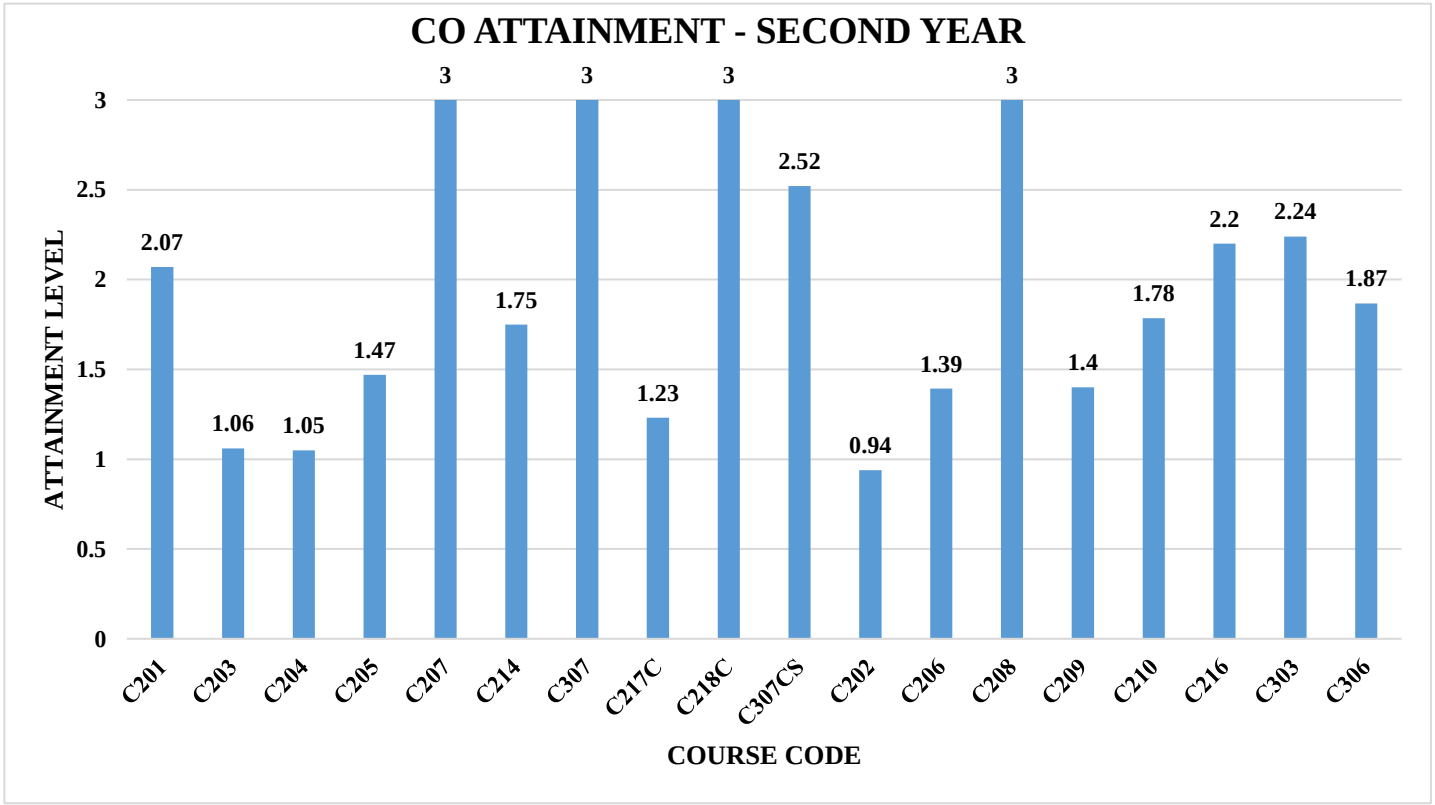
C317	2	2	2	3	1	-	-	-	1	-	-	-	2	1	-
C318	1	2	2	3	-	-	-	-	3	1	-	-	2	1	-
C401	1	1	-	2	-	2	-	-	-	-	-	-	1	-	1
C402	3	2	1	-	-	1	1	-	-	-	-	-	2	-	1
C403	3	2	-	-	1	-	-	-	-	-	-	-	1	-	-
C404	-	-	-	3	-	2	2	-	1	-	3	3	1	1	1
C405E2	3	-	-	-	1	-	1	-	-	-	-	-	1	-	-
C407	3	2	1	3	1	-	-	-	-	-	-	-	2	-	-
C408	1	-	2	3	-	1	3	2	1	-	1	2	2	1	1
C409	3	2	2	-	-	1	1	-	-	-	1	-	2	-	1
C412	2	2	1	2	2	2	2	1	1	1	2	2	2	2	2
C405E3	3	2	3	-	2	-	-	-	-	-	-	1	2	1	-
C405E4	3	2	2	-	2	3	-	3	-	2	1	-	2	1	2
C217C	2	2	2	-	-	1	-	-	-	-	-	-	2	-	-
C218C	2	2	2	2	1	1	-	-	2	1	-	-	2	1	-
C319C	1	1	1	-	-	1	-	-	-	-	-	-	1	-	-
C413C	1	-	2	2	2	-	-	-	-	-	-	-	1	1	-

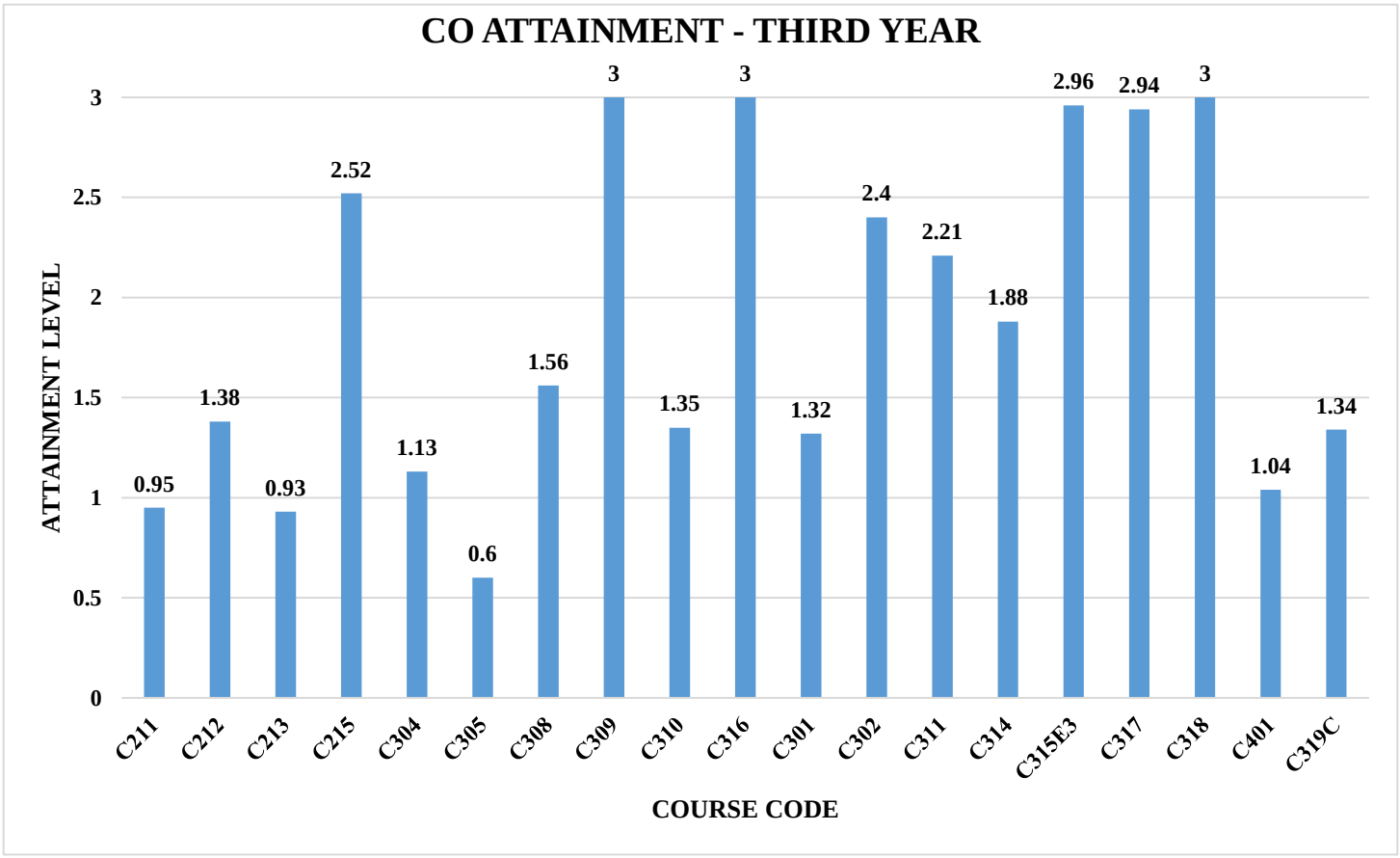
Table:1 Course attainment (2012-2016 Batch)

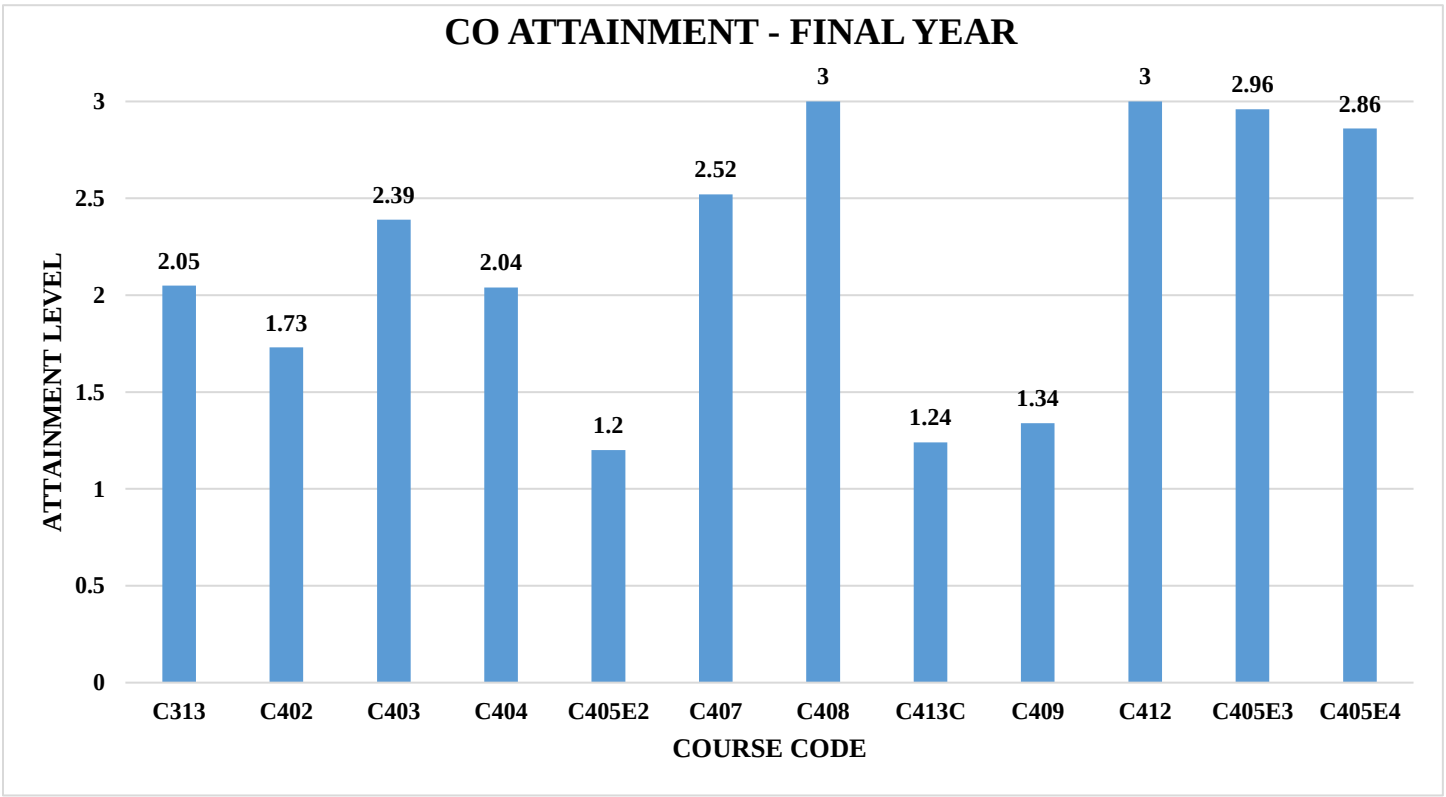
COURSE	Attainment Level	COURSE	Attainment Level	COURSE	Attainment Level	COURSE	Attainment Level
C101	0.96	C201	2.07	C301	1.32	C401	1.04
C102	1.56	C202	0.94	C302	2.4	C402	1.73
C103	0.63	C203	1.06	C303	2.24	C403	2.39
C104	0.36	C204	1.05	C304	1.13	C404	2.04
C105	1.38	C205	1.47	C305	0.6	C405E2	1.2
C106	1.38	C206	1.39	C306	1.87	C405E3	2.96
C107	1.8	C207	3	C307	3	C405E4	2.86
C108	2.4	C208	3	C307CS	2.52	C407	2.52
C110	0.53	C209	1.4	C308	1.56	C408	3
C111	1.82	C210	1.78	C309	3	C409	1.34
C112	0.42	C211	0.95	C310	1.35	C412	3
C113	0.28	C212	1.38	C311	2.21	C413C	1.24
C114	0.85	C213	0.93	C313	2.05		
C115	0.1	C214	1.75	C314	1.88		
C116	0.8	C215	2.52	C315E3	2.96		
C117	1	C216	2.2	C316	3		
C118	3	C217C	1.23	C317	2.94		
		C218C	3	C318	3		
				C319C	1.34		

CO ATTAINMENT GRAPH (2012 – 2016 BATCH)

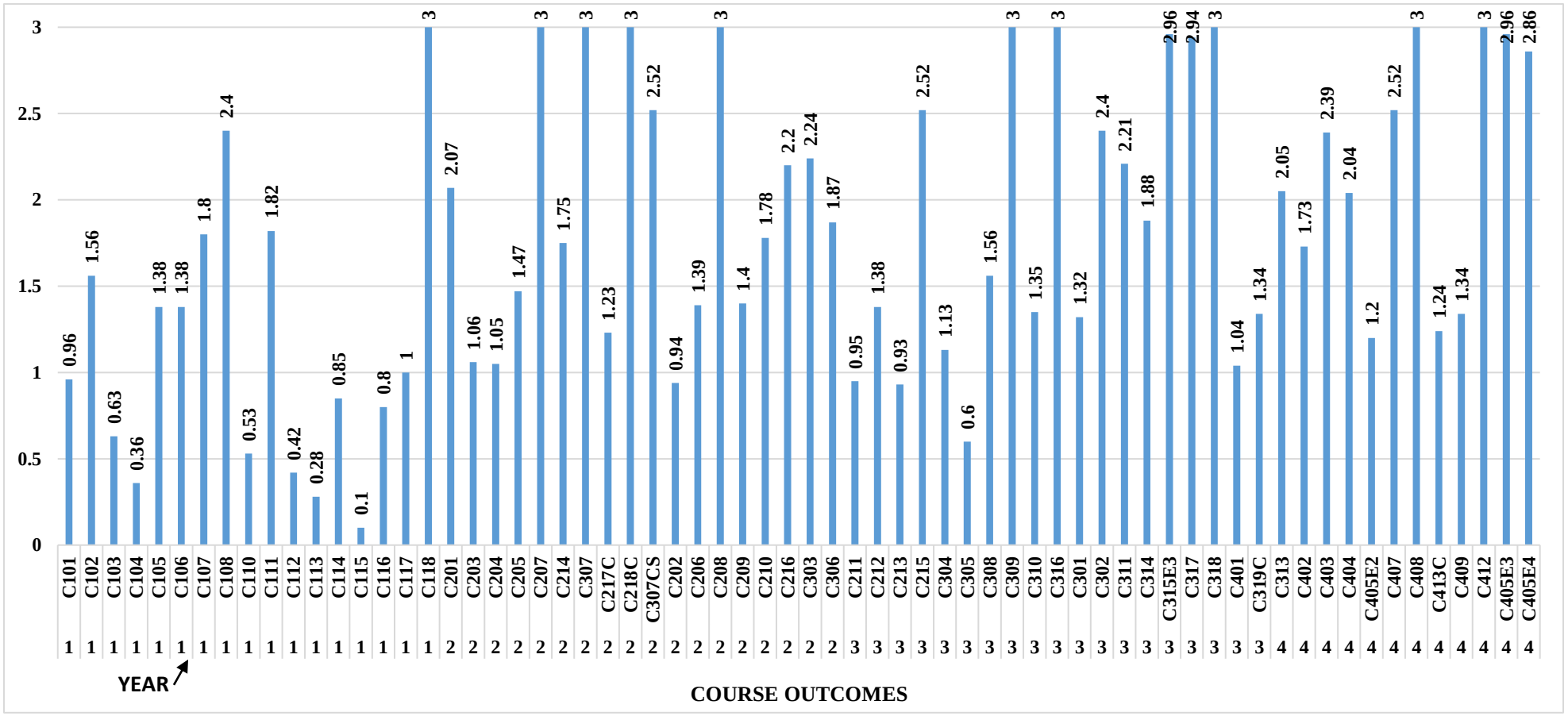





CO ATTAINMENT - THIRD YEAR
ATTAINMENT LEVEL
COURSE CODE
0
0.5
1
1.5
2
2.5
3
0.95
1.38
0.93
2.52
1.13
0.6
1.56
3
1.35
3
1.32
2.4
2.21
1.88
2.96
2.94
3
1.04
1.34
C211
C212
C213
C215
C304
C305
C308
C309
C310
C316
C301
C302
C311
C314
C315E3
C317
C318
C401
C319C


CO ATTAINMENT - FINAL YEAR
ATTAINMENT LEVEL
COURSE CODE
0
0.5
1
1.5
2
2.5
3
2.05
1.73
2.39
2.04
1.2
2.52
3
1.24
1.34
3
2.96
2.86
C313
C402
C403
C404
C405E2
C407
C408
C413C
C409
C412
C405E3
C405E4

CO ATTAINMENT GRAPH (2012 – 2016 BATCH) - CONSOLIDATED



CO ATTAINMENT GRAPH IN ASCENDING ORDER (2012 – 2016 BATCH) – CONSOLIDATED

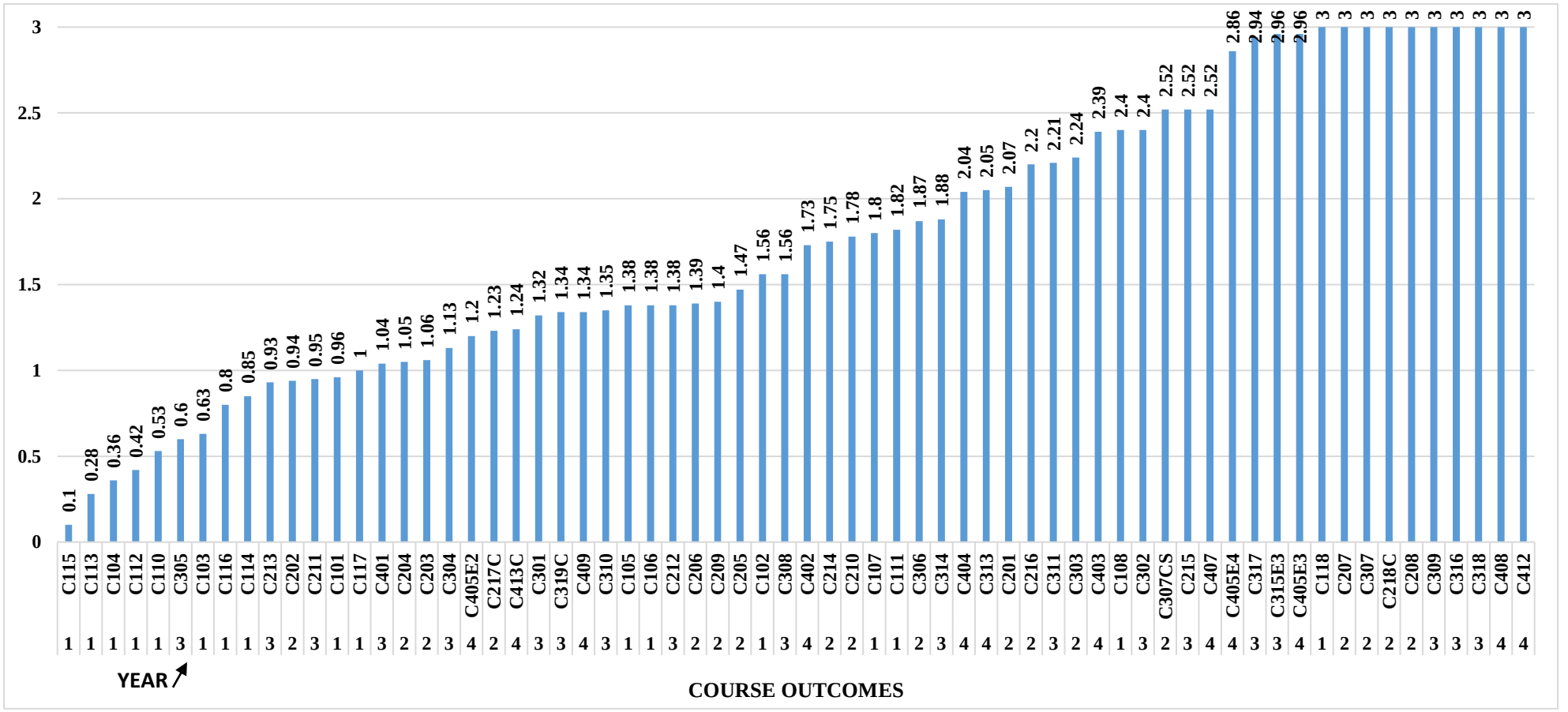


Table:2 Indirect Attainment of POs

POs	Indirect Attainment Level			
	2012-2016 Batch			
	Exit Survey (in %)	Survey Attainment Level	Co-Curricular attainment level	Indirect Attainment
1	89.51	3	2.2	2.92
2	89.92	3	2.2	2.92
3	89.77	3	2.2	2.92
4	90.54	3	2.2	2.92
5	91.32	3	2.2	2.92
6	90.85	3	2.2	2.92
7	88.06	3	2.2	2.92
8	89.92	3	2.2	2.92
9	90.54	3	2.2	2.92
10	90.54	3	2.2	2.92
11	90.08	3	2.2	2.92
12	89.3	3	2.2	2.92

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)

Table 3: PO Attainment 2012-2016 Batch

Course	Attainment Level	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	0.96	0	0.96	0	0	0	0	0.96	0	1.92	1.92	0	0.96
C102	1.56	3.12	3.12	0	0	3.12	0	0	0	0	0	0	1.56
C103	0.63	1.26	1.26	0	0	0	0	0	0	0	0	0	0.63
C104	0.36	0.72	0.72	0	0	0	0	0	0	0	0	0	0.36
C105	1.38	2.76	4.14	0	0	1.38	0	0	0	0	0	0	1.38
C106	1.38	1.38	2.76	0	0	0	1.38	0	0	0	1.38	0	0
C107	1.8	1.8	5.4	0	0	0	0	0	0	1.8	0	0	1.8
C108	2.4	2.4	2.4	2.4	0	2.4	0	0	0	2.4	0	0	2.4
C110	0.53	0	0.53	0	0	0	0	0.53	0	1.06	1.06	0	0.53
C111	1.82	3.64	0	0	3.64	0	0	0	0	3.64	0	0	1.82
C112	0.42	0.84	0.84	0	0	0	0	0	0	0	0	0	0.42
C113	0.28	0.56	0.56	0	0	0	0	0	0	0	0	0	0.28
C114	0.85	1.7	0.85	0.85	0	0	0.85	1.7	0	0	0	0	0
C115	0.1	0.3	0.2	0.1	0.1	0.1	0	0	0	0	0	0	0
C116	0.8	2.4	0	0	0	0	0	0	0	0	0	0	0
C117	1	1	0	2	0	2	0	0	0	1	0	0	0
C118	3	9	3	6	0	3	3	0	0	6	0	0	0
C201	2.07	4.14	4.14	0	2.07	0	0	0	0	0	0	0	0
C202	0.94	1.88	1.88	1.88	0.94	0	0	0	0	0	0	0	0
C203	1.06	3.18	3.18	1.06	1.06	0	0	0	0	0	0	0	0
C204	1.05	0	0	0	0	0	3.15	1.05	1.05	1.05	0	0	3.15
C205	1.47	2.94	2.94	2.94	2.94	0	1.47	0	0	0	0	0	0
C206	1.39	2.78	1.39	1.39	0	0	1.39	0	0	0	0	0	1.39
C207	3	6	3	6	9	3	0	0	0	6	0	0	0
C208	3	6	0	3	0	0	3	0	0	6	0	0	0
C209	1.4	4.2	4.2	0	2.8	4.2	2.8	0	0	0	0	0	0
C210	1.78	5.34	3.56	0	1.78	1.78	0	0	0	0	0	0	0
C211	0.95	1.9	0.95	1.9	1.9	1.9	0	0	0	0	0	0	0
C212	1.38	4.14	4.14	0	1.38	0	2.76	2.76	0	0	0	0	0
C213	0.93	2.79	1.86	1.86	0	0.93	0	0	0	0	0	0	0.93
C214	1.75	3.5	1.75	1.75	0	0	0	0	0	0	0	0	0
C215	2.52	5.04	5.04	5.04	5.04	2.52	0	0	0	2.52	0	0	0
C216	**2.2**	4.4	0	0	6.6	2.2	0	0	0	2.2	0	0	0
C217C	**1.23**	2.46	2.46	2.46	0	0	1.23	0	0	0	0	0	0
C218C	3	6	6	6	6	3	3	0	0	6	3	0	0
C301	1.32	2.64	3.96	0	2.64	1.32	1.32	1.32	0	0	0	0	0
C302	**2.4**	4.8	4.8	4.8	0	2.4	0	0	0	0	0	0	0
C303	2.24	6.72	0	4.48	0	0	4.48	4.48	0	0	0	0	0
C304	1.13	3.39	2.26	1.13	0	2.26	0	0	0	0	0	0	0
C305	0.6	1.2	1.8	0.6	1.8	0	0	0	0	0	0	0	0
C306	1.87	5.61	3.74	5.61	1.87	0	0	0	0	3.74	0	0	0
C307	3	9	3	6	9	6	0	0	0	6	0	0	0
C307CS	2.52	7.56	2.52	5.04	7.56	5.04	0	0	0	5.04	0	0	0
C308	1.56	0	0	1.56	1.56	1.56	1.56	4.68	1.56	1.56	3.12	1.56	1.56

C309	3	6	6	3	9	0	0	0	0	3	0	0	0
C310	1.35	4.05	2.7	1.35	1.35	2.7	1.35	1.35	0	0	0	1.35	0
C311	2.21	6.63	2.21	0	2.21	0	0	0	0	0	0	0	0
C313	2.05	6.15	4.1	2.05	4.1	2.05	0	0	0	0	0	0	0
C314	1.88	5.64	5.64	5.64	0	3.76	0	0	0	0	0	0	0
C315E3	2.96	8.88	5.92	0	0	2.96	0	2.96	0	0	0	0	0
C316	3	6	3	3	3	3	0	0	0	6	0	0	0
C317	2.94	5.88	5.88	5.88	8.82	2.94	0	0	0	2.94	0	0	0
C318	3	3	6	6	9	0	0	0	0	9	3	0	0
C319C	1.34	1.34	1.34	1.34	0	0	1.34	0	0	0	0	0	0
C401	1.04	1.04	1.04	0	2.08	0	2.08	0	0	0	0	0	0
C402	1.73	5.19	3.46	1.73	0	0	1.73	1.73	0	0	0	0	0
C403	2.39	7.17	4.78	0	0	2.39	0	0	0	0	0	0	0
C404	2.04	0	0	0	6.12	0	4.08	4.08	0	2.04	0	6.12	6.12
C405E2	**1.2**	3.6	0	0	0	1.2	0	1.2	0	0	0	0	0
C405E3	2.96	8.88	5.92	8.88	0	5.92	0	0	0	0	0	0	2.96
C405E4	2.86	8.58	5.72	5.72	0	5.72	8.58	0	8.58	0	5.72	2.86	0
C407	2.52	7.56	5.04	2.52	7.56	2.52	0	0	0	0	0	0	0
C408	3	3	0	6	9	0	3	9	6	3	0	3	6
C409	1.34	4.02	2.68	2.68	0	0	1.34	1.34	0	0	0	1.34	0
C412	3	6	6	3	6	6	6	6	3	3	3	6	6
C413C	1.24	1.24	0	2.48	2.48	2.48	0	0	0	0	0	0	0

PO ATTAINMENT	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**
Obtained	250.35	172.74	137.11	140.40	93.75	60.89	45.14	20.19	86.90	22.2	22.23	40.25
Actual	138	101	67	66	47	33	25	8	37	12	10	25
Direct Attainment	1.81	1.71	2.05	2.13	1.99	1.85	1.81	2.52	2.35	1.85	2.22	1.61
Indirect Attainment	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
Overall Attainment	**2**	**2**	**2.2**	**2.3**	**2.2**	**2.1**	**2**	**2.6**	**2.5**	**2.1**	**2.4**	**1.9**
Target	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

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

Table 4: PSO Attainment 2012-2016 Batch

Course	PSO1	PSO2	PSO3
C101	0.96	0.96	0.96
C102	3.12	1.56	0
C103	0.63	0	0
C104	0.36	0	0
C105	1.38	1.38	0
C106	1.38	0	1.38
C107	1.8	1.8	0
C108	2.4	2.4	0
C110	0.53	0.53	0.53
C111	1.82	1.82	0
C112	0.42	0	0
C113	0.28	0	0
C114	0.85	0	0.85
C115	0.2	0	0
C116	0.8	0	0
C117	1	1	0
C118	6	3	0
C201	2.07	0	0
C202	1.88	0	0
C203	2.12	0	0
C204	0	1.05	1.05
C205	2.94	0	0
C206	1.39	0	0
C207	6	3	0
C208	3	3	0
C209	2.8	1.4	1.4
C210	1.78	0	0
C211	1.9	0.95	0
C212	2.76	0	1.38
C213	1.86	0.93	0
C214	1.75	0	0
C215	5.04	2.52	0
C216	2.2	2.2	0
C301	2.64	0	0
C302	4.8	0	0
C303	2.24	0	2.24
C304	2.26	1.13	0
C305	1.2	0	0
C306	3.74	1.87	0
C307	6	3	0
C307CS	5.04	2.52	0
C308	0	0	1.56
C309	6	0	0
C310	2.7	1.35	1.35

C311	4.42	0	0
C313	4.1	0	0
C314	3.76	1.88	0
C315E3	2.96	0	0
C316	3	3	0
C317	5.88	2.94	0
C318	6	3	0
C401	1.04	0	1.04
C402	3.46	0	1.73
C403	2.39	0	0
C404	2.04	2.04	2.04
C405E2	1.22	0	0
C407	5.04	0	0
C408	6	3	3
C409	2.68	0	1.34
C412	6	6	6
C405E3	5.92	2.96	0
C405E4	5.72	2.86	5.72
C217C	2.46	0	0
C218C	6	3	0
C319C	1.34	0	0
C413C	1.24	1.24	0

PSO ATTAINMENT	**PSO1**	**PSO2**	**PSO3**
Obtained	182.7104	71.2872	33.57
Actual	99	34	19
Direct Attainment	1.85	2.1	1.77
Indirect Attainment	2.92	2.92	2.92
Overall Attainment	**2.06**	**2.26**	**2**
Target	**3**	**3**	**3**

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

K.L.N. College of Engineering
Graduate Exit Survey

Dept: ***EEE*** **Batch :** ***2016***

No.of Entry : 129

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?	90.23
2.	Ability to apply knowledge of differential and integral calculus, matrices, transforms techniques and Numerical techniques (PO-1), (PSO-1)	89.92
3.	Ability to apply knowledge of Material Science and Chemical Science (PO-1),(PSO-1)	88.68
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)	90.54
6.	Ability to design system like controller circuits, component or process to meet desired needs (PO-3),(PSO-1)	89.77
7.	Ability to function as a team and to co-ordinate the activities (PO-9),(PSO-2)	90.54
8.	Ability to identify, formulate and solve problems of Power Systems Engineering / Power Electronics Circuits (PO-2),(PSO-1)	89.92
9.	Ability to apply ethical principles and commit to professional ethics and responsibilities (PO-8),(PSO-3)	89.92
10.	Ability to communicate effectively (PO-10),(PSO-3)	90.54
11.	Ability to apply knowledge to access societal, health, safety, legal and cultural issues relevant to the professional engineering practice (PO-6),(PSO-3)	90.85
12.	Ability to engage in independent and lifelong learning in the context of technological change (PO-12),(PSO-2)	89.30
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)	91.32
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)	90.08
15.	Ability to demonstrate the knowledge of professional engineering solutions in societal and environmental context for sustainable development (PO-7),(PSO-3)	88.06
	Total Average	**89.97**

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

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	total (75)	markfor100ES
1.	R.MOHAMED ARABATH	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
2.	MUTHUVEL N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
3.	MUHILAN J	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	74	98.67
4.	KARTHIK RAJA .K	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
5.	M.GOPINATH	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
6.	SELVAPRIYA S	5	4	4	5	5	5	5	4	5	5	5	5	5	5	4	71	94.67
7.	R.PRABHU	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
8.	RANJITHKUMAR K	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
9.	GOKILA M	5	4	4	4	5	4	4	4	4	4	4	4	4	5	4	63	84
10.	DEIVAKANI M	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	59	78.67
11.	T VANITHA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
12.	R. PARAMESWARI	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
13.	R.POOJA ESWARI	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
14.	SANTHOSH KUMAR K R	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
15.	S.VIJAYA	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	74	98.67
16.	PAVITHRA T	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	60	80
17.	VINOTHKUMAR C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
18.	P.EZHILARASAN	5	4	4	4	5	4	4	4	5	4	5	4	4	4	5	65	86.67
19.	K.KAJANADEVI	5	5	4	4	4	4	4	5	5	5	5	5	4	5	4	68	90.67
20.	SABARI RAJAN G	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
21.	S.KATHIRESAPANDIAZHAGU	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
22.	CHANDRA K	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	60	80
23.	AKSHATHA G GANESAN	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	74	98.67
24.	S.AROCKIA JONY NISHANTH	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
25.	P.MUTHUMANICKAM	5	5	5	5	5	5	5	5	5	0	5	5	5	5	5	70	93.33
26.	G VIJAYA KUMAR	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	74	98.67
27.	DEEPTHI HASHINI S	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
28.	MUTHU VEERA PANDI S	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	60	80

29.	N.HEMALATHA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
30.	SETHU ARUN KUMAR S.M	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	73	97.33
31.	R.JEYA PRAKASH	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
32.	J.SENTHIL	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	73	97.33
33.	SUMAIYA. A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
34.	SANTHOSH KUMAR.P	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
35.	YOGESWARAN.E	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
36.	B.KARTHICK RAJA	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	60	80
37.	SUDHARSAN@CHLLAMANI S	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
38.	SUNDAR.M	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
39.	S.BHARANI	5	5	5	5	5	4	4	4	4	4	4	4	4	5	5	67	89.33
40.	BRINDHA.R	5	5	3	4	3	5	4	4	5	4	4	4	5	5	4	64	85.33
41.	SWATHI T.R	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
42.	DHARUN BASKAR S	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
43.	G.PRAKASH	5	5	2	5	5	5	5	5	5	5	5	5	5	5	5	72	96
44.	PAVITHRA DEVI V	5	4	4	5	5	4	5	4	5	5	5	4	4	5	5	69	92
45.	LAKSHMANAN R	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
46.	RAGU NANDHAN M	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
47.	NAVEEN RAJ R	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
48.	M.T.KEERTHIGA	4	4	4	4	4	4	5	4	5	5	5	5	5	4	4	66	88
49.	P.E.LAKSHMI	5	4	4	4	5	4	4	4	4	4	4	5	5	5	5	66	88
50.	LAVANYA.J	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	60	80
51.	PRADEEPAN K S	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
52.	V.KARTHICKKESAVAN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
53.	GOPINATH GG	5	5	4	4	4	4	5	5	4	5	4	5	5	5	5	69	92
54.	P.ANDREW	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
55.	J.J BALAJI	4	4	4	5	4	4	4	4	4	5	4	4	4	4	4	62	82.67
56.	VAISHALI.G	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
57.	GOWTHAM T.S	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	60	80
58.	B.DEEPAK PRASANA	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	74	98.67
59.	BOOSUN T K	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	59	78.67
60.	DAVID G	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	60	80

61.	BALAJI S D	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	74	98.67
62.	KANAGAVEL.A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
63.	P.GOWSALYA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
64.	PRASANTH M	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
65.	S SAKTHISIVAN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
66.	PANDIARAJAN D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
67.	PAULPANDI R	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
68.	PRAVIN R R	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
69.	PARVATHAVARTHINI.M	5	4	3	5	5	4	3	5	5	5	5	4	5	5	5	68	90.67
70.	A.YOGALAKSHMI	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	68	90.67
71.	S.R.AKSHAYSRINIVAS	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	61	81.33
72.	S.VALLIAMMAI	5	5	4	4	4	4	5	4	4	5	5	4	4	4	4	65	86.67
73.	RASHMI.B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
74.	G.KATHIRAVAN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
75.	KESAVA PRASAD T S	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	74	98.67
76.	J. PRAVIN TANKARAJ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
77.	THAZHAI SELVAN K	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
78.	R.PREETHI	5	4	4	4	5	5	5	5	5	5	5	5	5	5	5	72	96
79.	G.SATHISHKUMAR	4	4	4	4	4	4	4	3	4	4	4	4	3	4	4	58	77.33
80.	YOGESHWARAN C M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81.	N.E.VAISHNAVI	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	74	98.67
82.	VIJAYARAVINDH A	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	74	98.67
83.	B.D.SAKTHI MAI	5	4	4	3	5	5	4	5	4	5	5	5	5	5	5	69	92
84.	MOHANA S	4	5	5	3	5	4	4	5	4	3	5	4	5	4	4	64	85.33
85.	MEENAATCHI S	5	5	5	5	4	5	5	4	5	4	4	4	4	4	4	67	89.33
86.	THENMOZHI K	4	4	4	3	4	4	4	4	4	4	4	4	5	4	4	60	80
87.	SRINIVASAN V	4	4	5	5	4	5	4	5	5	5	5	5	5	5	4	70	93.33
88.	BALAJI S S	4	5	5	5	5	5	5	5	4	5	5	4	5	5	4	71	94. 67
89.	MUTHU MANIKANDAN M	3	3	4	3	4	3	4	4	4	4	3	4	5	3	4	55	73.33
90.	SENTHIL BABU B A	2	3	4	4	4	3	3	3	2	4	3	3	2	2	2	44	58. 67
91.	DINESHBABU P	4	4	3	5	5	4	5	4	4	5	3	4	4	3	3	60	80
92.	PARAMESWARAN M	3	4	4	5	4	5	5	3	4	5	4	4	4	4	4	62	82. 67

93.	NAGA SOWNDHARYA B	5	4	5	5	4	5	5	5	5	5	5	5	5	5	5	73	97. 33
94.	JAWAHAR S	5	5	5	5	5	5	5	5	4	5	5	4	4	4	4	70	93. 33
95.	RAJA K	4	3	3	5	4	4	3	4	4	4	4	3	5	4	4	58	77. 33
96.	HEMANAND SINGH T	5	5	4	5	5	5	5	5	5	5	5	5	5	4	5	73	97. 33
97.	SATHYAMOORTHY T	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	59	78. 67
98.	VIGNESH N	5	4	5	5	5	5	5	5	5	5	4	4	4	5	4	70	93. 33
99.	SEVUGA KUMAR K	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	74	98. 67
100.	KARTHIGA R	5	5	3	5	4	4	4	4	3	5	4	5	4	4	4	63	84
101.	KEERTHIGA R	4	5	5	4	5	4	4	3	4	4	4	4	5	4	3	62	82. 67
102.	VIGNESH L R	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
103.	ALAGURAJA R	4	4	4	4	5	4	4	5	5	5	5	4	5	4	4	66	88
104.	R.M.PRASANNA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
105.	MAHALAKSHMI S	5	4	5	4	5	4	5	4	5	4	4	5	5	5	5	69	92
106.	MAHESWARAN N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	45	60
107.	GOKULNATH M	3	4	3	3	3	3	4	3	4	4	4	4	4	3	3	52	69. 33
108.	VENKATESH R B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
109.	SANKAR R G	4	4	4	3	4	5	4	5	5	5	3	4	4	4	4	62	82. 67
110.	SEENIVASAN J S	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	74	98. 67
111.	KARTHIKEYAN D	4	5	5	5	4	5	5	5	4	5	5	5	5	5	4	71	94. 67
112.	VISHWANATHAN R J	5	5	5	4	4	4	5	4	5	4	5	4	4	5	5	68	90.67
113.	BALAJI G J	5	5	4	5	4	4	5	5	4	5	4	3	4	3	3	63	84
114.	SHANAWAJ ANWAR N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75	100
115.	PANDIARAJAN C	3	3	4	5	4	3	4	4	4	4	4	4	4	4	3	57	76
116.	NAGA ARJUN R	5	5	4	3	5	4	4	5	4	4	5	3	4	3	3	61	81.33
117.	JEYADHEEP VIGNESH J	3	3	4	4	3	4	3	4	3	4	4	3	3	4	3	52	69.33
118.	SYED MOHAMMED KAMARDEEN G	4	3	2	3	3	3	3	2	4	2	4	2	3	4	2	44	58.67
119.	VENGATESHAN T C	3	3	3	3	3	3	3	2	3	3	4	3	3	3	3	45	60
120.	SANKAR GANESH A	3	4	4	4	3	4	4	4	3	3	3	4	3	3	4	53	70.67
121.	SIVA GOWTHAM T R	3	3	4	3	4	3	4	4	3	3	5	3	4	3	4	53	70.67
122.	RAKKESH KUMAR J	4	5	5	4	5	5	4	5	4	4	4	4	5	5	5	68	90.67
123.	RAJAVIGNESH R	3	4	3	3	4	5	3	3	3	3	4	4	5	3	2	52	69.33
124.	DINESH P	4	4	4	4	4	3	4	4	4	4	4	4	5	4	4	60	80

125.	DINESH R	3	4	3	4	2	3	3	3	3	3	4	3	4	4	4	50	66.67
126.	SIVANADARAJAN N M	4	4	3	4	3	3	4	4	4	5	4	4	4	4	0	54	72
127.	ARUN PRASHATH S	5	4	5	5	4	5	5	5	4	4	5	5	5	5	5	71	94.67
128.	VIJAYA KUMAR S	3	3	3	4	3	4	5	5	4	4	3	5	3	5	5	59	78.67
129.	SARATHY C	5	5	5	5	5	4	3	4	4	5	5	4	5	4	5	68	90.67

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)

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Details of Students participated in Inter and Intra College Events 2012 – 2016 BATCH

S. No	Roll No.	Name of the Student	II Year			III Year			IV Year			Internal	External	Total
			Internal	External	Total	Internal	External	Total	Internal	External	Total			
1.	122301	AKSHATHA G GANESAN				1	1	2	1		1	2	1	3
2.	122108	AKSHAYSRINIVAS S R				1	2	3	10	1	11	11	3	14
3.	122048	ALAGURAJA R				1		1	10		1	11		11
4.	122308	ANDREW P				1	1	2				1	1	2
5.	122119	BALAJI G J				1	2	3				1	2	3
6.	122122	BALAJI S D				1		1				1		1
7.	122110	BALAJI S S				1		1				1		1
8.	122039	BHARANI S				1	1	2	10		1	11	1	12
9.	122107	BOOSUN T K				1	4	5	1	1	2	2	5	7
10.	122037	BRINDHA R				1	2	3				1	2	3
11.	122026	CHANDRA K				1	6	7				1	6	7
12.	122019	DAVID G				1	1	2	1		1	2	1	3
13.	122309	DEEPAK PRASANA B				1		1				1		1
14.	122012	DEEPTHI HASHINI S		3	3	1	2	3	1		1	2	5	7
15.	122049	DEIVAKANI M				1		1				1		1
16.	122007	DHARUN BASKAR S				1	4	5	10	1	11	11	5	16
17.	122017	DINESHBABU P				1		1				1		1
18.	122045	EZHILARASAN P				1		1				1		1
19.	122030	GOKILA M				1	1	2				1	1	2
20.	122106	GOKULNATH M				1	2	3				1	2	3
21.	122052	GOWSALYA P				1	1	2				1	1	2
22.	122112	GOWTHAM T S				1		1	10		1	11		11
23.	122005	HEMALATHA N		1	1	1	1	2	11		11	12	2	14
24.	122029	HEMANAND SINGH T				1	2	3		2	2	1	4	5
25.	122025	JAWAHAR S				1		1		2	2	1	2	3
26.	122314	JEYADHEEP VIGNESH J		2	2	1	2	3	11		11	12	4	16
27.	122051	KAJANADEVI K				1		1				1		1
28.	122047	KANAGAVEL A				1		1				1		1
29.	122306	KARTHICK KESAVAN V		1	1	1	1	2	11	1	12	12	3	15
30.	122036	KARTHIGA R		1	1	3		3	11		11	14	1	15
31.	122116	KARTHIKEYAN D				1	1	2	10		1	11	1	12
32.	122001	KASI PANDI P				1	5	6				1	5	6
33.	122041	KATHIRAVAN G		3	3	1		1	1	1	2	2	4	6
34.	122104	KEERTHIGA M T		1	1	1	1	2	1		1	2	2	4

35.	122040	KEERTHIGA R				1	3	4	1		1	2	3	5
36.	122117	KESAVA PRASAD T S				1	2	3	10		1	11	2	13
37.	122102	LAKSHMI P E				1	1	2	1		1	2	1	3
38.	122109	LAVANYA J				1	7	8	1		1	2	7	9
39.	122050	MAHALAKSHMI S				3		3	11		11	14		14
40.	122054	MAHESWARAN N				1		1				1		1
41.	122024	MATHANA ATHISHRI R				1	1	2	1		1	2	1	3
42.	122010	MEENAATCHI S				3	1	4	11		11	14	1	15
43.	122004	MOHANA S				3	1	4	11		11	14	1	15
44.	122015	MUTHU MANIKANDAN M				1	1	2				1	1	2
45.	122313	NAGA ARJUN R				1	12	13	10		1	11	12	23
46.	122023	NAGA SOWNDHARYA B				1	2	3	11		11	12	2	14
47.	122033	NAVEEN RAJ R				1		1	1		1	2		2
48.	122312	PANDIARAJAN C				1		1				1		1
49.	122021	PARAMESWARAN M				1		1				1		1
50.	122022	PARAMESWARI R				3	1	4	11		11	14	1	15
51.	122304	PARVATHAVARTHINI M		1	1	1		1	11		11	12	1	13
52.	122008	PAVITHRA T				1	1	2	13		13	14	1	15
53.	122044	PAVITHRA DEVI V				1		1	1		1	2		2
54.	122006	POOJA ESWARI R		2	2	1	1	2	13		13	14	3	17
55.	122038	PRADEEPAN K S				1	1	2	1		1	2	1	3
56.	122105	PRASANNA R M				1	2	3				1	2	3
57.	122101	PRAVIN R R				1	1	2				1	1	2
58.	122034	PRAVIN TANKARAJ J				1		1	1		1	2		2
59.	122316	PREETHI R				1		1	1		1	2		2
60.	122305	RAGU NANDHAN M				1	1	2	1		1	2	1	3
61.	122028	RAJA K				1	3	4				1	3	4
62.	122046	RASHMI B				3	1	4	10		1	12	1	13
63.	122003	SAKTHI MAI B D				3	1	4	10		1	12	1	13
64.	122113	SANKAR R G				1	1	2	1		1	2	1	3
65.	122103	SANTHOSHKUMAR K R		1	1	1	2	3	1		1	2	3	5
66.	122310	SANTHOSH KUMAR P				1	3	4				1	3	4
67.	122031	SATHYAMOORTHY T				1	1	2				1	1	2
68.	122115	SEENIVASAN J S				1	3	4				1	3	4
69.	122307	SELVAPRIYA S				1	1	2				1	1	2
70.	122016	SENTHIL BABU B A				1	3	4	1		1	2	3	5
71.	122035	SEVUGA KUMAR K				1	3	4				1	3	4
72.	122302	SHANAWAJ ANWAR N				1	1	2				1	1	2
73.	122014	SRINIVASAN V				1	2	3				1	2	3
74.	122053	SUMAIYA A				1	1	2				1	1	2
75.	122114	SWATHI T R				3	1	4				3	1	4

76.	122315	SYED MOHAMMED KAMARDEEN G				1	1	2				1	1	2
77.	122011	THAZHAI SELVAN K				1	2	3				1	2	3
78.	122013	THENMOZHI K				1		1				1		1
79.	122303	VAISHALI G				3		3				3		3
80.	122120	VAISHNAVI N E				3	2	5				3	2	5
81.	122009	VALLIAMMAI S				3	2	5				3	2	5
82.	122042	VANITHA T				3	1	4				3	1	4
83.	122111	VENKATESH R B				1	1	2				1	1	2
84.	122043	VIGNESH L R				1	1	2				1	1	2
85.	122032	VIGNESH N				1	1	2				1	1	2
86.	122027	VIJAYARAVINDH A				1	1	2				1	1	2
87.	122118	VISHWANATHAN R J				1	2	3	1		1	2	2	4
88.	122018	YOGA LAKSHMI A				3	2	5	10		1	13	2	15
89.	122002	YOGESHWARAN C M				1	3	4				1	3	4
90.	122311	YOGESWARAN E				1		1				1		1
91.	132923	AROCKIA JONY NISHANTH S				1	2	3		2	2	1	4	5
92.	132932	ARUN PRASATH S				1		1				1		1
93.	132904	BALAJI J J				1		1				1		1
94.	132921	DINESH P				1		1				1		1
95.	132928	DINESH R				1		1				1		1
96.	132908	GOPINATH G G				1		1		2	2	1	2	3
97.	132907	GOPINATH M				1		1				1		1
98.	132936	JEYAPRAKASH R				1		1	10		1	11		11
99.	132915	KARTHICK RAJA B				1		1				1		1
100.	132929	KARTHIKRAJA K				1		1				1		1
101.	132911	KATHIRESAPANDI AZHAGU S				1		1				1		1
102.	132914	LAKHSMANAN R				1		1		1	1	1	1	2
103.	132919	MOHAMED ARABATH R				1		1				1		1
104.	132930	MUHILAN J				1		1				1		1
105.	132927	MUTHU MANICKAM P				1		1				1		1
106.	132910	MUTHU VEERA PANDI S				1	12	13	13	4	17	14	16	30
107.	132941	MUTHUVEL N				1		1	1		1	2		2
108.	132922	PANDIARAJAN D				1	1	2	11		11	12	1	13
109.	132938	PAULPANDI R				1	1	2	1		1	2	1	3
110.	132912	PRABHU R				1	1	2	11		11	12	1	13
111.	132939	PRASANTH M				1		1	1		1	2		2
112.	132917	RAJAVIGNESH R				1		1	1		1	2		2
113.	132909	RAKKESH KUMAR J				1	5	6	10	2	12	11	7	18

114.	132924	RANJITH KUMAR K				1		1	1		1	2		2
115.	132905	SABARI RAJAN G				1		1	1		1	2		2
116.	132916	SAKTHISIVAN S				1		1	1		1	2		2
117.	132902	SANKAR GANESH A				1		1				1		1
118.	132937	SARATHY C				1	1	2	1		1	2	1	3
119.	132940	SATHISKUMAR G				1		1				1		1
120.	132926	SENTHIL J				1	1	2				1	1	2
121.	132925	SETHU ARUN KUMAR S M				1	1	2	1		1	2	1	3
122.	132903	SIVA GOWTHAM T R				1	1	2	1		1	2	1	3
123.	132931	SIVANADARAJAN N M				1	1	2				1	1	2
124.	132933	SUDHARSAN @ CHLLAMANI S				1	1	2	1		1	2	1	3
125.	132918	SUNDAR M				1	1	2	1		1	2	1	3
126.	132901	VENGATESHAN T C				1	2	3	1		1	2	2	4
127.	132920	VIJAYA S				3		3				3		3
128.	132913	VIJAYAKUMAR G				1	1	2	1		1	2	1	3
129.	132935	VIJAYA KUMAR S				1	3	4	1		1	2	3	5
130.	132934	VINOTHKUMAR C				1	1	2	1		1	2	1	3
131.	132906	PRAKASH G (TRANSFER FROM' B' SEC TO 'C' SEC)		1	1	1		1				1	1	2

Attainment Calculation:

Number of Students participated in Inter College Events	89
Number of Students participated in Intra College Events	131
Number of Students participated more than **two** Events	105
Percentage of Students participated more than **two** Events	**80.15**
Attainment Level	**3**

K.L.N. COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINI PROJECT CONTEST-[2012-2016 BATCH]

S.No.	Roll	Name	2014-2015	2015-2016	Marks
1	122301	AKSHATHA G GANESAN	72		72
2	122108	AKSHAYSRINIVAS S R	78	88	83
3	122048	ALAGURAJA R	78	88	83
4	122308	ANDREW P	82	86	84
5	122119	BALAJI G J	82	82	82
6	122122	BALAJI S D	82	82	82
7	122110	BALAJI S S	74	82	78
8	122039	BHARANI S	72		72
9	122107	BOOSUN T K	78	88	83
10	122037	BRINDHA R	72		72
11	122026	CHANDRA K		84	84
12	122019	DAVID G	73	88	80.5
13	122309	DEEPAK PRASANA B	73		73
14	122012	DEEPTHI HASHINI S		84	84
15	122049	DEIVAKANI M		84	84
16	122007	DHARUN BASKAR S	83	94	88.5
17	122017	DINESHBABU P	74	86	80
18	122045	EZHILARASAN P	74	80	77
19	122030	GOKILA M		84	84
20	122106	GOKULNATH M	83	94	88.5
21	122052	GOWSALYA P	A	A	A
22	122112	GOWTHAM T S	83	80	81.5
23	122005	HEMALATHA N	89	76	82.5
24	122029	HEMANAND SINGH T	73		73
25	122025	JAWAHAR S		56	56
26	122314	JEYADHEEP VIGNESH J	73	94	83.5
27	122051	KAJANADEVI K	A	A	A
28	122047	KANAGAVEL A		86	86
29	122306	KARTHICK KESAVAN V	76	94	85
30	122036	KARTHIGA R	86		86
31	122116	KARTHIKEYAN D		56	56
32	122001	KASI PANDI P		94	94
33	122041	KATHIRAVAN G	76	76	76
34	122104	KEERTHIGA M T		62	62
35	122040	KEERTHIGA R		62	62
36	122117	KESAVA PRASAD T S	96	80	88
37	122102	LAKSHMI P E		62	62

38	122109	LAVANYA J		62	62
39	122050	MAHALAKSHMI S	86		86
40	122054	MAHESWARAN N		56	56
41	122024	MATHANA ATHISHRI R	89	76	82.5
42	122010	MEENAATCHI S	86		86
43	122004	MOHANA S	86		86
44	122015	MUTHU MANIKANDAN M		56	56
45	122313	NAGA ARJUN R	89	94	91.5
46	122023	NAGA SOWNDHARYA B	75		75
47	122033	NAVEEN RAJ R	96	90	93
48	122312	PANDIARAJAN C	86	80	83
49	122021	PARAMESWARAN M	A	A	A
50	122022	PARAMESWARI R	77		77
51	122304	PARVATHAVARTHINI M	77		77
52	122008	PAVITHRA T	89	76	82.5
53	122044	PAVITHRA DEVI V	75		75
54	122006	POOJA ESWARI R	89	76	82.5
55	122038	PRADEEPAN K S	95	90	92.5
56	122105	PRASANNA R M	86	80	83
57	122101	PRAVIN R R	86	80	83
58	122034	PRAVIN TANKARAJ J	96	76	86
59	122316	PREETHI R	88		88
60	122305	RAGU NANDHAN M	95	90	92.5
61	122028	RAJA K		96	96
62	122046	RASHMI B	77		77
63	122003	SAKTHI MAI B D	77		77
64	122113	SANKAR R G	A	A	A
65	122103	SANTHOSHKUMAR K R	76		76
66	122310	SANTHOSH KUMAR P	A	A	A
67	122031	SATHYAMOORTHY T		80	80
68	122115	SEENIVASAN J S	95	90	92.5
69	122307	SELVAPRIYA S	84	76	80
70	122016	SENTHIL BABU B A	95		95
71	122035	SEVUGA KUMAR K		78	78
72	122302	SHANAWAJ ANWAR N	76		76
73	122014	SRINIVASAN V		78	78
74	122053	SUMAIYA A	85	82	83.5
75	122114	SWATHI T R	84	82	83
76	122315	SYED MOHAMMED KAMARDEEN G	76		76
77	122011	THAZHAI SELVAN K		78	78
78	122013	THENMOZHI K	88	82	85
79	122303	VAISHALI G	85		85

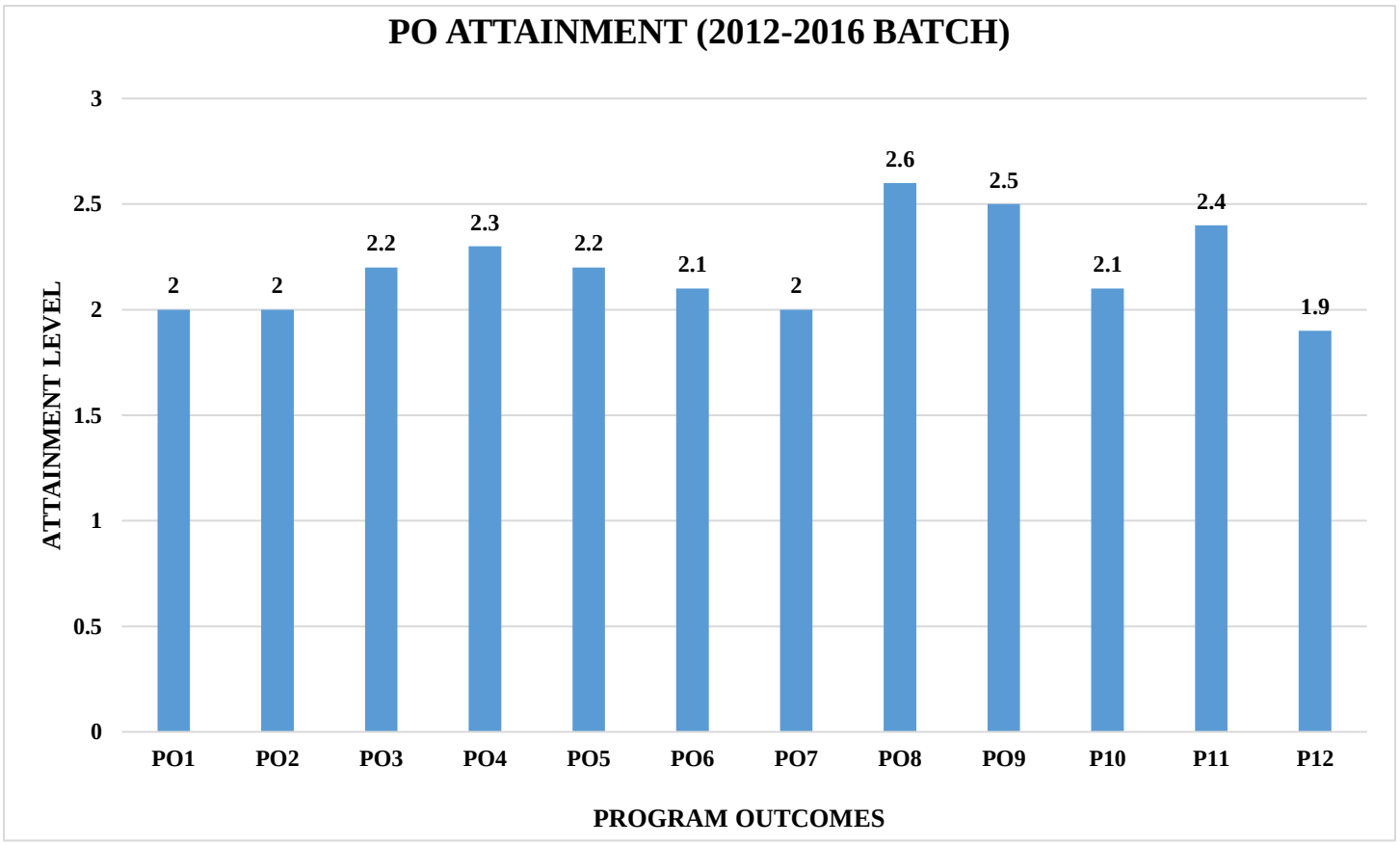
80	122120	VAISHNAVI N E	88	78	83
81	122009	VALLIAMMAI S	88	78	83
82	122042	VANITHA T	77		77
83	122111	VENKATESH R B		78	78
84	122043	VIGNESH L R	A	A	A
85	122032	VIGNESH N	96		96
86	122027	VIJAYARAVINDH A	78	94	86
87	122118	VISHWANATHAN R J	86	80	83
88	122018	YOGA LAKSHMI A	77	76	76.5
89	122002	YOGESHWARAN C M		80	80
90	122311	YOGESWARAN E	A	A	A
91	132923	AROCKIA JONY NISHANTH S		96	96
92	132932	ARUN PRASHATH S	83		83
93	132904	BALAJI J J	82	86	84
94	132921	DINESH P		80	80
95	132928	DINESH R	A	A	A
96	132908	GOPINATH G G		96	96
97	132907	GOPINATH M	A	A	A
98	132936	JEYA PRAKASH R	74	88	81
99	132915	KARTHICK RAJA B		88	88
100	132929	KARTHIK RAJA K		88	88
101	132911	KATHIRESAPANDIAZHAGU S		88	88
102	132914	LAKSHMANAN R		96	96
103	132919	MOHAMED ARABATH R		82	82
104	132930	MUHILAN J	76	80	78
105	132927	MUTHU MANICKAM P	A	A	A
106	132910	MUTHU VEERA PANDI S	89	76	82.5
107	132941	MUTHUVEL N		78	78
108	132922	PANDIARAJAN D		56	56
109	132938	PAULPANDI R		60	60
110	132912	PRABHU R		56	56
111	132906	PRAKASH G	76		76
112	132939	PRASANTH M	78	60	69
113	132917	RAJAVIGNESH R		60	60
114	132909	RAKKESH KUMAR J	89	94	91.5
115	132924	RANJITHKUMAR K		78	78
116	132905	SABARI RAJAN G		78	78
117	132916	SAKTHISIVAN S		56	56
118	132902	SANKAR GANESH A		56	56
119	132937	SARATHY C		74	74
120	132940	SATHISHKUMAR G	A	A	A
121	132926	SENTHIL J	A	A	A
122	132925	SETHU ARUN KUMAR S M	A	A	A

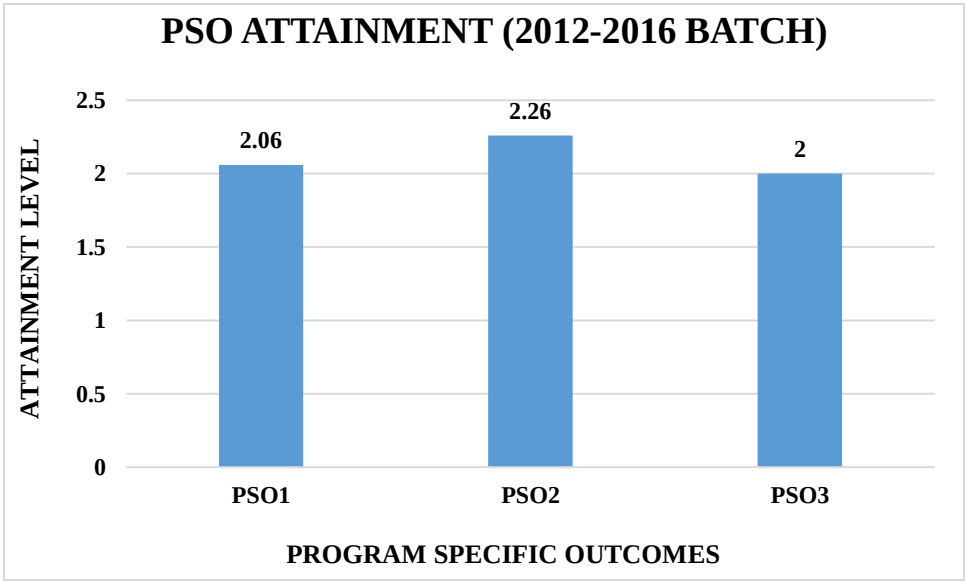
123	132903	SIVA GOWTHAM T R	A	A	A
124	132931	SIVANADARAJAN N M		74	74
125	132933	SUDHARSAN @ CHLLAMANI S		74	74
126	132918	SUNDAR M		78	78
127	132901	VENGATESHAN T C		74	74
128	132920	VIJAYA S	85	76	80.5
129	132913	VIJAYAKUMAR G	A	A	A
130	132935	VIJAYA KUMAR S	89		89
131	132934	VINOTHKUMAR C		80	80

Attainment Calculation:

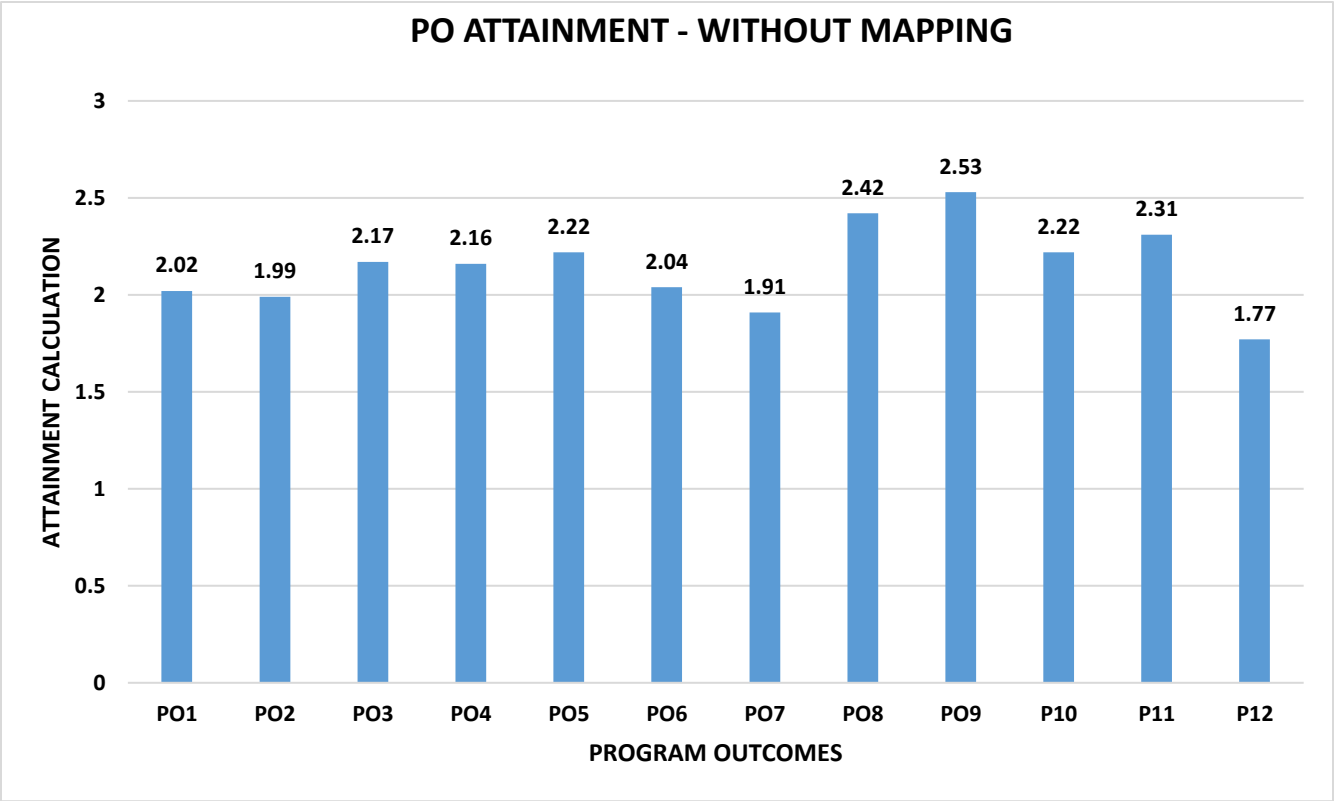
Number of Students participated	116
Number of students scored above 75 marks	92
Percentage	79.31
Attainment Level	**2**

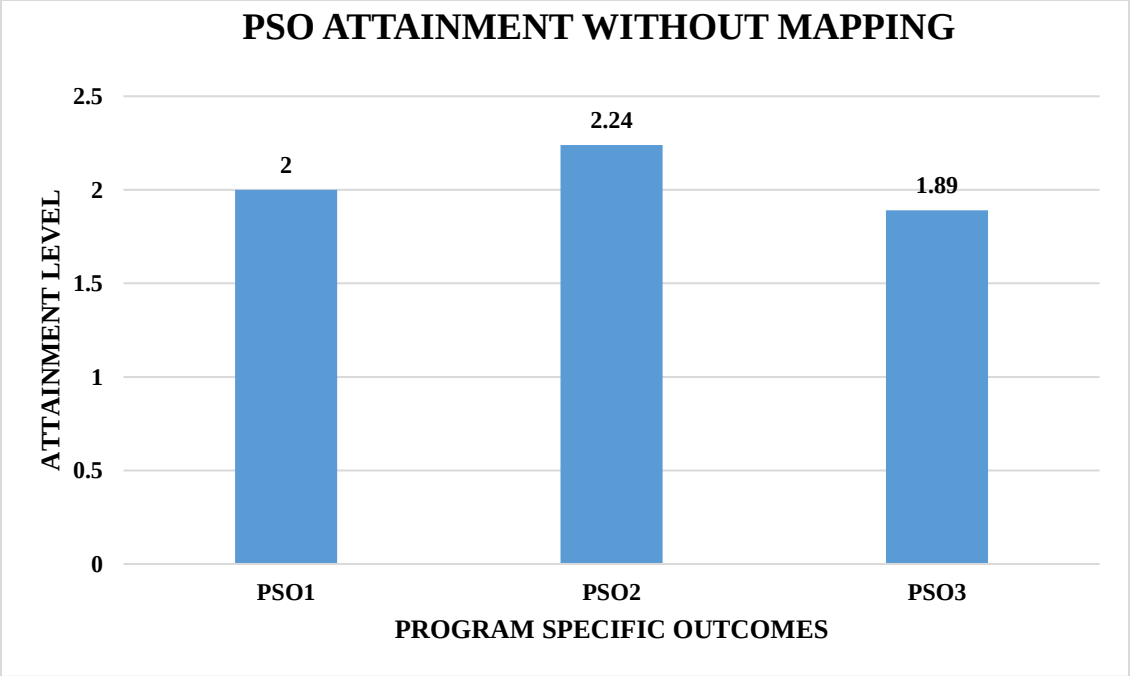
PO AND PSO ATTAINMENTS (2012 – 2016 BATCH)



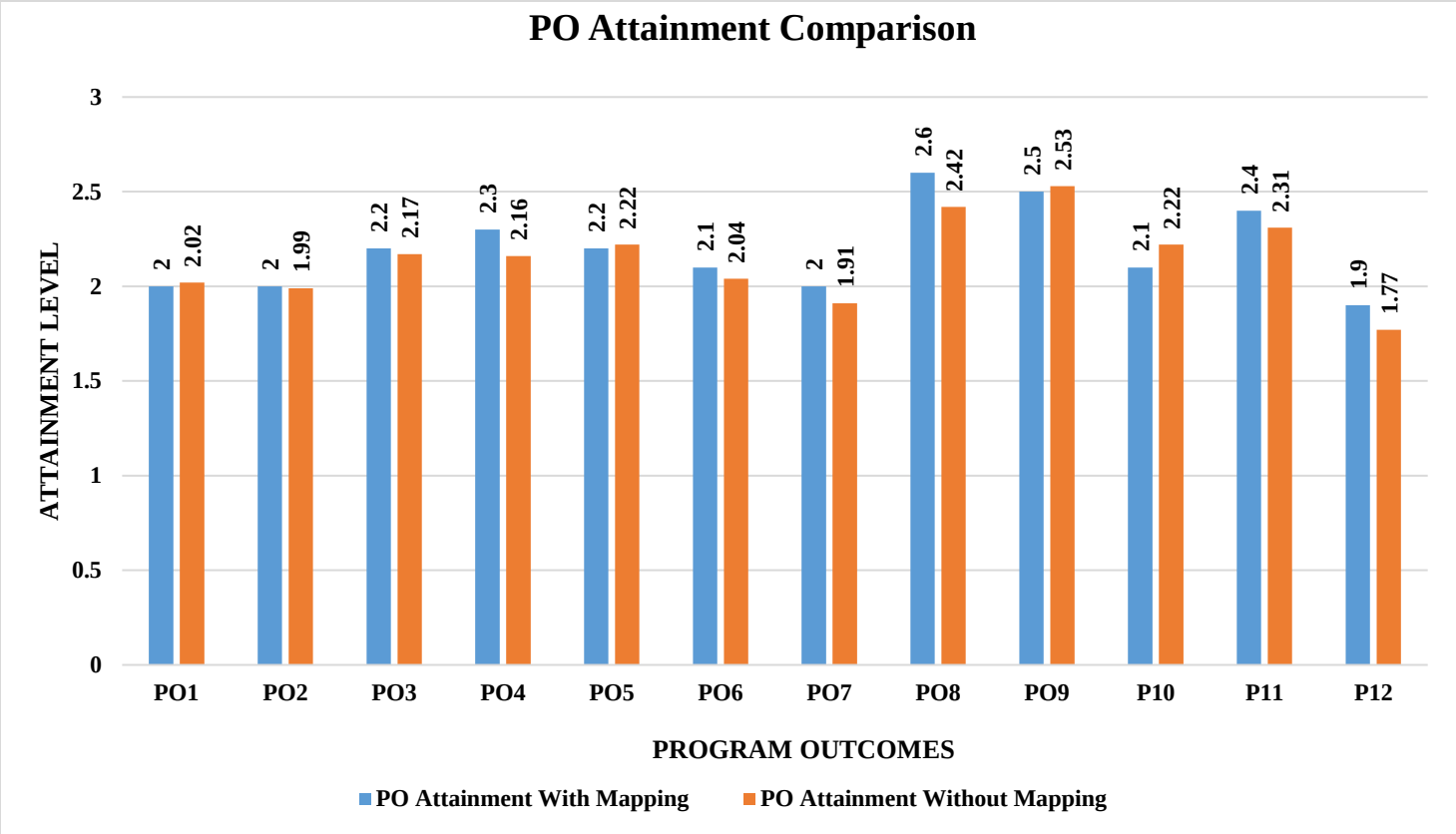


PO AND PSO ATTAINMENTS WITHOUT MAPPING (2012 – 2016 BATCH)





PO AND PSO ATTAINMENTS WITH & WITHOUT MAPPING COMPARISON (2012 – 2016 BATCH)



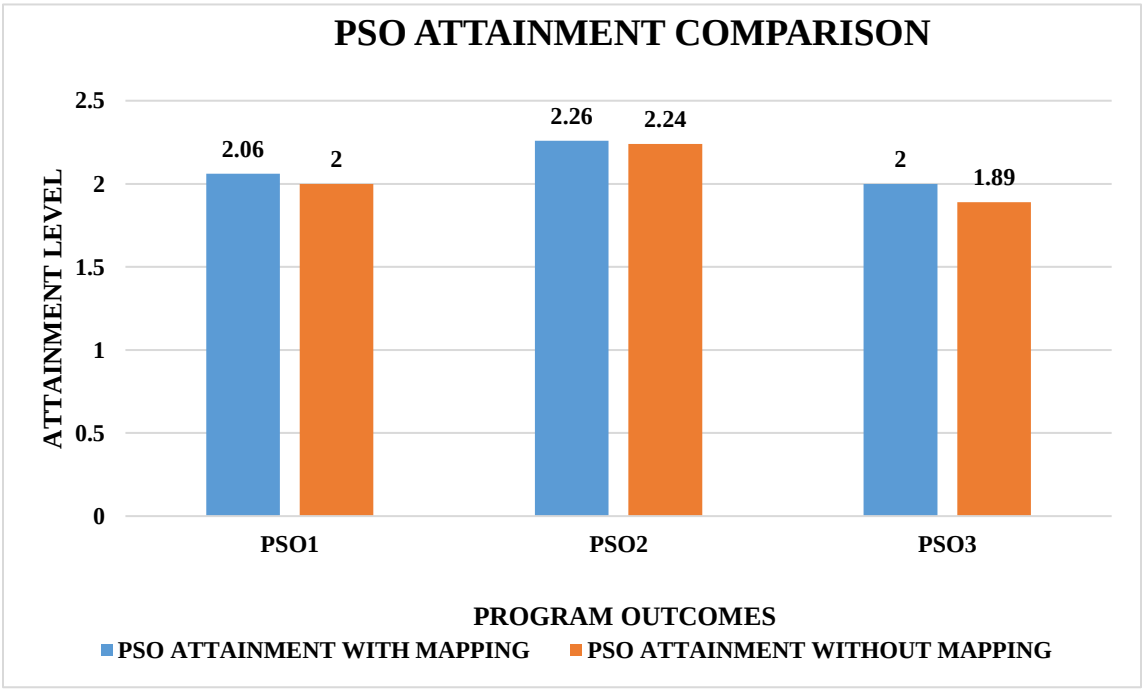


Table:5 Course Outcome Attainment – Courses with low attainment (2012 – 2016)

S. No.	Course Code	Course Name	Attainment Obtained	Observations	Action Plan
1.	C202	Digital Logic Circuits	0.93	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.	C211	Object Oriented Programming	0.95	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.	C213	Discrete Time Systems and Signal Processing	0.93	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.	C302	Microprocessors and Microcontrollers	0.96	Overall Pass Percentage is good. Answering methods reduces the Grades secured.	1.Good Presentation in Anna University examination is stressed.
5.	C305	Electrical Machines – II	0.6	Overall Pass Percentage is good. Mistakes in problem solving.	1.Ways to solve the problems correctly stressed.

POs Attainment Levels and Actions for improvement – CAY (2012 – 2016 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	Poor performance in Anna University examination in first year and third year observed.
Action 1: Remedial classes are planned for students failed in Internal test. Special Coaching classes are planned for first year students. **Action 2:** Students counseling planned. **Action 3:** Additional classes are planned for Digital Logic circuits. **Action 4:** Answering Techniques in University examination is to be stressed. **Action 5:** Assignments satisfying different learning level is planned. **Action 6:** Bridge courses are planned.			
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	1.9	Poor performance in Anna University examination in first year and third year observed.
Action 1: Remedial classes are planned for students failed in internal test. **Action 2:** Workshop on Digital Logic Circuits and Linear Integrated Circuits are planned. **Action 3:** Special classes are planned for problematic subjects.			
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	2.2	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	2.3	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	2.2	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	2.1	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	Attainment is marginal

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			
PO8	3	2.6	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	2.5	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	2.1	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	2.4	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	1.9	Attainment is marginal

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122001	32	100	32	100	37	100	37	100	37	100	50
2	122002	24	100	24	100	42	100	42	100	42	100	60
3	122003	74	100	74	100	70	100	70	100	70	100	80
4	122004	44	100	44	100	64	100	64	100	64	100	70
5	122005	50	100	50	100	85	100	85	100	85	100	70
6	122006	86	100	86	100	79	100	79	100	79	100	100
7	122007	41	100	41	100	65	100	65	100	65	100	60
8	122008	64	100	64	100	78	100	78	100	78	100	80
9	122009	64	80	64	80	78	100	78	100	78	100	80
10	122010	64	100	64	100	74	100	74	100	74	100	80
11	122011	66	90	66	90	52	100	52	100	52	100	70
12	122012	91	100	91	100	88	100	88	100	88	90	80
13	122013	62	100	62	100	78	100	78	100	78	100	80
14	122014	70	100	70	100	78	100	78	100	78	100	90
15	122015	40	100	40	100	50	100	50	100	50	100	60
16	122016	66	100	66	100	66	100	66	100	66	100	70
17	122017	A	100	A	100	58	100	58	100	58	100	70
18	122018	56	100	56	100	51	100	51	100	51	100	70
19	122019	58	90	58	90	53	100	53	100	53	90	60
20	122021	32	100	32	100	40	90	40	90	40	100	70
21	122022	82	100	82	100	68	100	68	100	68	100	70
22	122023	64	100	64	100	81	100	81	100	81	100	80
23	122024	64	100	64	100	84	100	84	100	84	100	80
24	122025	51	100	51	100	44	100	44	100	44	100	50
25	122026	94	100	94	100	80	100	80	100	80	100	90
26	122027	84	100	84	100	72	100	72	100	72	100	70
27	122028	30	100	30	100	29	80	29	80	29	100	60
28	122029	60	100	60	100	80	100	80	100	80	100	70
29	122030	50	100	50	100	81	100	81	100	81	100	80
30	122031	56	80	56	80	40	90	40	90	40	100	50
31	122032	64	100	64	100	64	100	64	100	64	100	70
32	122033	78	90	78	90	83	100	83	100	83	90	70
33	122034	84	100	84	100	64	100	64	100	64	100	90
34	122035	60	100	60	100	70	100	70	100	70	100	80
35	122036	53	100	53	100	63	100	63	100	63	100	50
36	122037	61	100	61	100	82	100	82	100	82	100	70
37	122038	60	100	60	100	62	100	62	100	62	100	50
38	122039	51	100	51	100	66	90	66	90	66	90	70
39	122040	64	90	64	90	73	100	73	100	73	90	70
40	122041	67	80	67	80	78	80	78	80	78	100	80
41	122042	84	80	84	80	77	80	77	80	77	80	70
42	122043	52	100	52	100	18	100	18	100	18	100	70
43	122044	60	100	60	100	42	80	42	80	42	80	70
44	122045	40	100	40	100	65	100	65	100	65	100	60
45	122046	84	100	84	100	72	100	72	100	72	100	70
46	122047	22	100	22	100	24	100	24	100	24	100	0
47	122048	35	90	35	90	35	100	35	100	35	100	0

48	122049	27	80	27	80	58	80	58	80	58	80	50
49	122050	22	100	22	100	50	100	50	100	50	100	60
50	122051	32	90	32	90	27	90	27	90	27	100	50
51	122052	40	100	40	100	45	100	45	100	45	100	0
52	122053	46	100	46	100	60	100	60	100	60	100	50
53	122054	46	90	46	90	57	90	57	90	57	100	60
54	122101	52	90	52	90	80	100	80	100	80	90	70
55	122102	60	100	60	100	82	100	82	100	82	100	80
56	122103	60	100	60	100	63	100	63	100	63	100	80
57	122104	55	100	55	100	80	100	80	100	80	100	90
58	122105	32	100	32	100	50	100	50	100	50	100	50
59	122106	66	90	66	90	A	100	A	100	A	100	60
60	122107	57	100	57	100	60	100	60	100	60	100	80
61	122108	71	100	71	100	56	100	56	100	56	100	70
62	122109	87	100	87	100	A	100	A	100	A	100	70
63	122110	52	98	52	98	59	90	59	90	59	98	60
64	122111	60	95	60	95	58	91	58	91	58	95	70
65	122112	41	98	41	98	50	93	50	93	50	98	60
66	122113	42	97	42	97	26	94	26	94	26	97	0
67	122114	58	96	58	96	82	94	82	94	82	96	70
68	122115	64	98	64	98	41	98	41	98	41	98	50
69	122116	42	95	42	95	26	92	26	92	26	95	0
70	122117	68	97	68	97	86	98	86	98	86	97	90
71	122118	72	96	72	96	69	96	69	96	69	96	50
72	122119	50	94	50	94	59	95	59	95	59	94	60
73	122120	34	96	34	96	55	94	55	94	55	96	60
74	122122	42	98	42	98	38	94	38	94	38	98	50
75	122301	79	97	79	97	73	96	73	96	73	97	80
76	122302	58	92	58	92	57	95	57	95	57	92	70
77	122303	58	96	58	96	70	98	70	98	70	96	80
78	122304	90	95	90	95	82	95	82	95	82	95	80
79	122305	76	98	76	98	58	95	58	95	58	98	80
80	122306	54	94	54	94	60	100	60	100	60	94	70
81	122307	56	98	56	98	68	92	68	92	68	98	70
82	122308	60	96	60	96	62	99	62	99	62	96	70
83	122309	57	92	57	92	50	98	50	98	50	92	70
84	122310	44	94	44	94	52	98	52	98	52	94	50
85	122311	48	98	48	98	37	94	37	94	37	98	80
86	122312	44	98	44	98	54	98	54	98	54	98	50
87	122313	80	94	80	94	69	95	69	95	69	94	80
88	122314	60	93	60	93	59	97	59	97	59	93	60
89	122315	54	92	54	92	70	98	70	98	70	92	60
90	122316	74	91	74	91	61	95	61	95	61	91	70

Benchmark	**C101.1**		**C101.2**		**C101.3**		**C101.4**		**C101.5**		**AU**
	CIT1	**A1**	**CIT1**	**A1**	**CIT2**	**A2**	**CIT2**	**A2**	**CIT2**	**A3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	48.31	100	48.31	100	56.82	100	56.82	100	56.82	100	62.22
Level Obtained	0	3	0	3	0	3	0	3	0	3	1

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	-	0.96
C101.2	0	3	0.9	1	0.96	-	0.96
C101.3	0	3	0.9	1	0.96	-	0.96
C101.4	0	3	0.9	1	0.96	-	0.96
C101.5	0	3	0.9	1	0.96	-	0.96
C101							**0.96**

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:

$$C101 = \frac{C101.1 + C101.2 + C101.3 + C101.4 + C101.5}{5} = 0.96$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122301	100	100	100	100	100	100	100	100	81	80
2	122108	98	100	98	100	75	100	75	100	51	80
3	122048	71	100	71	100	72	100	72	100	20	80
4	122308	58	100	58	100	80	100	80	100	51	50
5	122110	64	100	64	100	80	100	80	100	50	50
6	122119	83	100	83	100	99	100	99	100	65	70
7	122122	80	100	80	100	80	100	80	100	52	70
8	122039	96	100	96	100	100	100	100	100	66	70
9	122107	98	100	98	100	98	100	98	100	66	70
10	122037	96	100	96	100	99	100	99	100	65	90
11	122026	98	100	98	100	100	100	100	100	80	100
12	122019	84	100	84	100	93	100	93	100	55	70
13	122309	99	100	99	100	99	100	99	100	71	70
14	122012	100	100	100	100	100	100	100	100	74	90
15	122049	71	100	71	100	64	100	64	100	36	0
16	122007	88	100	88	100	97	100	97	100	68	80
17	122017	84	100	84	100	87	100	87	100	63	60
18	122045	87	100	87	100	66	100	66	100	35	60
19	122030	90	100	90	100	97	100	97	100	66	80
20	122106	61	100	61	100	A	100	A	100	37	70
21	122052	80	100	80	100	84	100	84	100	38	70
22	122112	72	100	72	100	60	100	60	100	53	50
23	122005	90	100	90	100	100	100	100	100	84	90
24	122029	98	100	98	100	96	100	96	100	51	70
25	122025	80	100	80	100	90	100	90	100	29	60
26	122314	72	100	72	100	96	100	96	100	40	60
27	122051	68	100	68	100	74	100	74	100	51	50
28	122047	62	100	62	100	54	100	54	100	36	50
29	122306	82	100	82	100	91	100	91	100	44	60
30	122036	91	100	91	100	99	100	99	100	86	70
31	122116	55	100	55	100	83	100	83	100	30	50
32	122001	54	100	54	100	67	100	67	100	30	0
33	122041	50	100	50	100	71	100	71	100	24	70
34	122104	68	100	68	100	98	100	98	100	40	60
35	122040	96	100	96	100	97	100	97	100	59	90
36	122117	100	100	100	100	96	100	96	100	38	90
37	122102	94	100	94	100	97	100	97	100	33	70
38	122109	80	100	80	100	A	100	A	100	24	50
39	122050	31	100	31	100	56	100	56	100	22	50
40	122054	39	100	39	100	96	100	96	100	35	50
41	122024	90	100	90	100	100	100	100	100	66	90
42	122010	88	100	88	100	85	100	85	100	38	80
43	122004	96	100	96	100	94	100	94	100	64	80
44	122015	77	100	77	100	94	100	94	100	75	80
45	122313	80	100	80	100	83	100	83	100	28	50
46	122023	98	100	98	100	98	100	98	100	77	90
47	122033	100	100	100	100	99	100	99	100	85	100

48	122312	50	100	50	100	79	100	79	100	50	90
49	122021	55	100	55	100	59	100	59	100	32	0
50	122022	99	100	99	100	96	100	96	100	69	90
51	122304	66	100	66	100	55	100	55	100	A	50
52	122008	100	100	100	100	99	100	99	100	77	80
53	122044	50	100	50	100	76	100	76	100	32	50
54	122006	100	100	100	100	90	100	90	100	85	100
55	122038	69	100	69	100	73	100	73	100	50	70
56	122105	62	100	62	100	94	100	94	100	71	70
57	122101	A	100	A	100	67	100	67	100	30	90
58	122034	96	100	96	100	99	100	99	100	78	90
59	122316	52	100	52	100	66	100	66	100	54	60
60	122305	72	100	72	100	A	100	A	100	A	60
61	122028	52	100	52	100	50	100	50	100	27	60
62	122046	80	100	80	100	75	100	75	100	51	70
63	122003	98	100	98	100	100	100	100	100	64	90
64	122113	75	100	75	100	72	100	72	100	50	80
65	122310	85	100	85	100	93	100	93	100	31	80
66	122103	96	100	96	100	90	100	90	100	65	70
67	122031	67	100	67	100	87	100	87	100	56	70
68	122115	88	100	88	100	90	100	90	100	50	50
69	122307	98	100	98	100	75	100	75	100	81	80
70	122016	97	100	97	100	96	100	96	100	64	100
71	122035	80	100	80	100	99	100	99	100	64	70
72	122302	94	100	94	100	89	100	89	100	50	80
73	122014	86	100	86	100	60	100	60	100	50	70
74	122053	52	100	52	100	94	100	94	100	54	60
75	122114	73	100	73	100	50	100	50	100	56	60
76	122315	80	100	80	100	71	100	71	100	53	80
77	122011	99	100	99	100	95	100	95	100	62	100
78	122013	93	100	93	100	96	100	96	100	67	80
79	122303	94	100	94	100	96	100	96	100	50	80
80	122120	84	100	84	100	86	100	86	100	56	80
81	122009	97	100	97	100	91	100	91	100	78	90
82	122042	79	100	79	100	96	100	96	100	A	0
83	122111	78	100	78	100	82	100	82	100	50	70
84	122043	95	100	95	100	95	100	95	100	72	80
85	122032	80	100	80	100	75	100	75	100	50	60
86	122027	94	100	94	100	92	100	92	100	60	80
87	122118	82	100	82	100	88	100	88	100	41	80
88	122018	92	100	92	100	87	100	87	100	43	80
89	122002	62	100	62	100	71	100	71	100	29	50
90	122311	23	100	23	100	57	100	57	100	8	0

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	85.39	100	86.39	100	91.95	100	91.95	100	37.93	65.56
Level Obtained	3	3	3	3	3	3	3	3	0	1

Attainment Calculation:

Course Outcome Attainment – C102:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C102.1	3	3	3	1	1.8	-	1.8
C102.2	3	3	3	1	1.8	-	1.8
C102.3	3	3	3	1	1.8	-	1.8
C102.4	3	3	3	1	1.8	-	1.8
C102.5	0	0	0	1	0.6	-	0.6
C102							**1.56**

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:

$$C102 = \frac{C102.1 + C102.2 + C102.3 + C102.4 + C102.5}{5} = 1.56$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122001	18	100	18	50	100	50	50	60
2	122002	16	100	16	50	100	50	50	0
3	122003	85	100	85	82	100	82	82	90
4	122004	87	100	87	65	100	65	65	90
5	122005	83	100	83	75	100	75	75	80
6	122006	92	100	92	85	100	85	85	90
7	122007	84	100	84	89	100	89	89	90
8	122008	77	100	77	84	100	84	84	80
9	122009	96	100	96	98	100	98	98	100
10	122010	69	100	69	36	100	36	36	80
11	122011	66	100	66	80	100	80	80	80
12	122012	85	100	85	72	100	72	72	90
13	122013	64	100	64	72	100	72	72	80
14	122014	55	100	55	67	100	67	67	50
15	122015	82	100	82	59	100	59	59	70
16	122016	78	100	78	80	100	80	80	80
17	122017	82	100	82	68	100	68	68	80
18	122018	64	100	64	61	100	61	61	50
19	122019	69	100	69	81	100	81	81	80
20	122021	26	100	26	22	100	22	22	0
21	122022	85	100	85	94	100	94	94	80
22	122023	87	100	87	79	100	79	79	90
23	122024	93	100	93	87	100	87	87	80
24	122025	57	100	57	52	100	52	52	50
25	122026	87	100	87	95	100	95	95	70
26	122027	87	100	87	88	100	88	88	80
27	122028	10	100	10	15	100	15	15	0
28	122029	85	100	85	78	100	78	78	90
29	122030	82	100	82	65	100	65	65	80
30	122031	68	100	68	66	100	66	66	0
31	122032	80	100	80	90	100	90	90	100
32	122033	88	100	88	86	100	86	86	80
33	122034	91	100	91	90	100	90	90	70
34	122035	93	100	93	A	100	A	A	90
35	122036	79	100	79	80	100	80	80	80
36	122037	70	100	70	74	100	74	74	60
37	122038	73	100	73	72	100	72	72	60
38	122039	89	100	89	79	100	79	79	80
39	122040	76	100	76	74	100	74	74	90
40	122041	61	100	61	62	100	62	62	70
41	122042	72	100	72	58	100	58	58	50
42	122043	50	100	50	35	100	35	35	0
43	122044	40	100	40	50	100	50	50	0
44	122045	63	100	63	36	100	36	36	80
45	122046	54	100	54	83	100	83	83	50
46	122047	58	100	58	53	100	53	53	0
47	122048	39	100	39	58	100	58	58	50

48	122049	50	100	50	57	100	57	57	0
49	122050	50	100	50	36	100	36	36	60
50	122051	34	100	34	57	100	57	57	60
51	122052	28	100	28	53	100	53	53	60
52	122053	52	100	52	52	100	52	52	0
53	122054	64	100	64	59	100	59	59	70
54	122101	65	100	65	59	100	59	59	0
55	122102	81	100	81	79	100	79	79	90
56	122103	73	100	73	81	100	81	81	70
57	122104	67	100	67	53	100	53	53	70
58	122105	50	100	50	57	100	57	57	60
59	122106	81	100	81	A	100	A	A	70
60	122107	72	100	72	76	100	76	76	90
61	122108	72	100	72	71	100	71	71	80
62	122109	85	100	85	A	100	A	A	80
63	122110	74	100	74	84	100	84	84	70
64	122111	64	100	64	67	100	67	67	80
65	122112	23	100	23	50	100	50	50	0
66	122113	31	100	31	37	100	37	37	50
67	122114	58	100	58	50	100	50	50	50
68	122115	51	100	51	62	100	62	62	50
69	122116	32	100	32	35	100	35	35	60
70	122117	80	100	80	71	100	71	71	90
71	122118	67	100	67	65	100	65	65	60
72	122119	61	100	61	65	100	65	65	80
73	122120	61	100	61	54	100	54	54	50
74	122122	59	100	59	60	100	60	60	50
75	122301	67	100	67	74	100	74	74	90
76	122302	62	100	62	64	100	64	64	80
77	122303	81	100	81	66	100	66	66	80
78	122304	73	100	73	72	100	72	72	80
79	122305	66	100	66	80	100	80	80	80
80	122306	51	100	51	59	100	59	59	60
81	122307	61	100	61	62	100	62	62	50
82	122308	60	100	60	59	100	59	59	50
83	122309	85	100	85	70	100	70	70	80
84	122310	27	100	27	64	100	64	64	50
85	122311	10	100	10	4	100	4	4	50
86	122312	50	100	50	70	100	70	70	70
87	122313	83	100	83	57	100	57	57	90
88	122314	75	100	75	63	100	63	63	70
89	122315	61	100	61	61	100	61	61	50
90	122316	72	100	72	58	100	58	58	70

Benchmark	**C103.1**		**C103.2**	**C103.3**		**C103.4**	**C103.5**	**AU**
	CIT1	**A1**	**CIT1**	**CIT2**	**A2**	**CIT2**	**CIT2**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	70	63.22	70	63.22		63.22	63.22	58.89
Level Obtained	2	3	2	1	3	1	1	0

Attainment Calculation:

Course Outcome Attainment – C103:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C103.1	2	3	2.3	0	0.92	-	0.92
C103.2	2	-	2	0	0.8	-	0.8
C103.3	1	3	1.6	0	0.64	-	0.64
C103.4	1	-	1	0	0.4	-	0.4
C103.5	1	-	1	0	0.4	-	0.4
C103							**0.63**

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:

$$C103 = \frac{C103.1 + C103.2 + C103.3 + C103.4 + C103.5}{5} = \mathbf{0.63}$$

KLNCE/B.E - EEE – 2012-2016 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	A2	CIT3	
1	122001	32	32	100	41	41	100	40	50
2	122002	52	52	80	40	40	100	42	0
3	122003	79	79	100	91	91	80	79	100
4	122004	38	38	100	66	66	100	70	50
5	122005	75	75	100	94	94	100	89	90
6	122006	96	96	80	89	89	100	81	100
7	122007	46	46	80	75	75	100	60	80
8	122008	87	87	100	89	89	80	76	70
9	122009	94	94	80	98	98	100	92	100
10	122010	64	64	100	67	67	100	65	60
11	122011	78	78	60	93	93	100	68	80
12	122012	78	78	100	90	90	60	89	80
13	122013	79	79	100	74	74	100	69	70
14	122014	63	63	60	63	63	80	33	50
15	122015	92	92	100	87	87	100	93	50
16	122016	94	94	60	96	96	60	63	80
17	122017	47	47	100	82	82	70	71	50
18	122018	62	62	40	50	50	100	50	70
19	122019	51	51	100	54	54	80	68	60
20	122021	41	41	60	30	30	60	50	60
21	122022	81	81	80	65	65	80	69	90
22	122023	81	81	100	87	87	100	85	80
23	122024	90	90	100	A	A	100	69	70
24	122025	47	47	100	72	72	100	55	50
25	122026	90	90	100	94	94	100	90	90
26	122027	78	78	60	82	82	80	68	90
27	122028	19	19	80	27	27	100	35	50
28	122029	100	100	80	100	100	70	78	90
29	122030	42	42	70	70	70	100	80	70
30	122031	64	64	80	74	74	80	18	60
31	122032	75	75	60	70	70	80	75	80
32	122033	82	82	80	79	79	80	75	70
33	122034	89	89	60	98	98	60	82	80
34	122035	76	76	80	63	63	100	60	80
35	122036	91	91	100	96	96	100	94	80
36	122037	54	54	80	59	59	100	80	50
37	122038	93	93	100	66	66	80	42	60
38	122039	81	81	100	87	87	80	85	70
39	122040	91	91	100	100	100	100	72	70
40	122041	44	44	100	89	89	100	78	80
41	122042	75	75	80	50	50	80	64	50
42	122043	51	51	80	A	A	100	17	0
43	122044	50	50	60	28	28	80	35	0
44	122045	50	50	100	18	18	100	74	60
45	122046	39	39	80	69	69	80	62	50
46	122047	24	24	100	59	59	100	39	50
47	122048	20	20	100	57	57	100	63	50

48	122049	43	43	100	54	54	100	63	50
49	122050	28	28	100	44	44	100	37	50
50	122051	19	19	60	65	65	100	56	50
51	122052	53	53	100	19	19	100	47	50
52	122053	54	54	80	50	50	100	39	50
53	122054	44	44	100	71	71	100	59	50
54	122101	62	62	80	50	50	0	50	90
55	122102	63	63	100	62	62	100	85	80
56	122103	79	79	100	65	65	80	77	70
57	122104	46	46	100	84	84	100	73	70
58	122105	34	34	40	63	63	80	51	70
59	122106	80	80	100	A	A	80	46	70
60	122107	39	39	100	88	88	70	73	70
61	122108	66	66	80	51	51	70	82	60
62	122109	80	80	100	66	66	100	73	90
63	122110	82	82	100	67	67	100	75	80
64	122111	64	64	80	68	68	100	36	50
65	122112	37	37	100	25	25	80	34	70
66	122113	37	37	60	39	39	80	32	50
67	122114	60	60	80	50	50	80	30	60
68	122115	24	24	100	50	50	80	37	50
69	122116	50	50	100	43	43	100	57	0
70	122117	87	87	100	83	83	100	88	80
71	122118	68	68	40	66	66	100	52	80
72	122119	86	86	100	84	84	100	80	50
73	122120	62	62	80	78	78	100	52	50
74	122122	70	70	80	76	76	100	61	50
75	122301	90	90	100	89	89	100	91	80
76	122302	58	58	80	64	64	100	51	60
77	122303	90	90	80	78	78	100	50	60
78	122304	71	71	100	72	72	100	A	80
79	122305	92	92	100	A	A	80	61	80
80	122306	46	46	100	51	51	100	72	70
81	122307	87	87	80	65	65	100	50	80
82	122308	37	37	80	58	58	80	69	50
83	122309	78	78	80	88	88	100	69	60
84	122310	55	55	100	50	50	80	29	0
85	122311	12	12	0	16	16	80	8	0
86	122312	50	50	100	50	50	80	51	50
87	122313	67	67	100	53	53	100	61	80
88	122314	40	40	100	79	79	70	81	60
89	122315	54	54	80	67	67	100	56	60
90	122316	76	76	80	58	58	80	68	70

Benchmark	**C104.1**	**C104.2**		**C104.3**	**C104.4**		**C104.5**	
	CIT1	**CIT1**	**A1**	**CIT2**	**CIT2**	**A2**	**CIT3**	**AU**
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	56.67	56.67	83.33	65.12	65.12	88.89	60.67	50
Level Obtained	0	0	3	1	1	3	1	0

Attainment Calculation:

Course Outcome Attainment – C104:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C104.1	0	-	0	0	0	-	0
C104.2	0	3	0.9	0	0.36	-	0.36
C104.3	1	-	1	0	0.4	-	0.4
C104.4	1	3	1.6	0	0.64	-	0.64
C104.5	1	-	1	0	0.4	-	0.4
C104							**0.36**

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	[0.7*Internal Test + 0.3*Assignment]
C104.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C104 = \frac{C104.1 + C104.2 + C104.3 + C104.4 + C104.5}{5} = 0.36$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Fundamentals of Computing: 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	122001	50	90	50	90	28	28	50	50
2	122002	40	90	40	90	50	50	50	50
3	122003	82	90	82	90	84	84	93	80
4	122004	38	100	38	100	84	84	80	70
5	122005	71	100	71	100	85	85	85	90
6	122006	90	90	90	90	80	80	70	80
7	122007	52	90	52	100	76	76	80	70
8	122008	88	90	88	90	88	88	87	80
9	122009	94	90	94	90	88	88	80	100
10	122010	64	100	64	100	69	69	65	80
11	122011	78	90	78	90	82	82	65	70
12	122012	78	100	78	100	82	82	85	90
13	122013	82	90	82	90	90	90	70	70
14	122014	84	90	84	90	72	72	50	50
15	122015	50	90	50	100	64	64	60	50
16	122016	82	90	82	90	80	80	75	80
17	122017	55	90	55	100	71	71	70	70
18	122018	66	90	66	90	66	66	50	60
19	122019	59	100	59	100	79	79	80	80
20	122021	56	90	56	90	58	58	70	0
21	122022	70	90	70	90	78	78	80	90
22	122023	A	100	A	100	75	75	75	90
23	122024	88	100	88	100	A	A	85	70
24	122025	50	100	50	100	66	66	65	50
25	122026	78	100	78	100	78	78	82	70
26	122027	76	90	76	90	92	92	95	70
27	122028	38	90	38	90	50	50	50	50
28	122029	71	100	71	100	81	81	82	80
29	122030	63	100	63	100	73	73	77	80
30	122031	66	90	66	90	56	56	50	50
31	122032	86	90	86	90	68	68	80	80
32	122033	94	90	94	90	92	92	91	90
33	122034	86	90	86	90	92	92	85	80
34	122035	82	90	82	90	84	84	70	70
35	122036	73	100	73	100	77	77	80	80
36	122037	50	100	50	100	75	75	85	70
37	122038	64	90	64	80	60	60	50	0
38	122039	73	100	73	100	71	71	82	70
39	122040	80	100	80	100	79	79	85	70
40	122041	50	80	50	90	62	62	65	70
41	122042	80	90	80	90	72	72	80	70
42	122043	58	90	58	90	A	A	50	0
43	122044	40	90	40	90	78	78	58	50
44	122045	50	100	50	100	31	31	60	60
45	122046	50	90	50	90	66	66	55	70
46	122047	19	90	19	100	34	34	50	50
47	122048	50	100	50	100	62	62	75	70

48	122049	33	100	33	100	62	62	60	0
49	122050	18	100	18	90	45	45	51	70
50	122051	34	90	34	100	43	43	52	70
51	122052	29	100	29	90	56	56	58	50
52	122053	82	90	82	90	76	76	50	0
53	122054	50	100	50	100	57	57	52	50
54	122101	76	90	76	90	92	92	60	80
55	122102	50	100	50	100	79	79	78	70
56	122103	84	90	84	90	76	76	80	70
57	122104	50	100	50	100	70	70	75	70
58	122105	54	90	54	90	62	62	60	50
59	122106	59	100	59	100	A	A	65	80
60	122107	82	90	82	100	80	80	92	100
61	122108	82	90	82	100	72	72	90	70
62	122109	53	90	53	100	71	71	70	80
63	122110	53	90	53	100	74	74	70	50
64	122111	84	90	84	90	86	86	50	80
65	122112	62	90	62	90	63	63	65	60
66	122113	54	90	54	90	58	58	65	60
67	122114	60	90	60	90	58	58	55	80
68	122115	46	90	46	90	62	62	60	50
69	122116	41	90	41	100	51	51	53	50
70	122117	81	100	81	100	88	88	92	80
71	122118	82	90	82	90	74	74	78	50
72	122119	53	100	53	100	75	75	80	60
73	122120	88	90	88	90	74	74	55	50
74	122122	50	90	50	100	71	71	65	70
75	122301	72	100	72	100	83	83	90	70
76	122302	79	90	79	90	86	86	65	60
77	122303	82	90	82	90	80	80	55	50
78	122304	84	90	84	90	82	82	A	80
79	122305	84	90	84	90	A	A	62	70
80	122306	64	100	64	100	77	77	84	80
81	122307	86	90	86	90	76	76	80	70
82	122308	50	100	50	100	58	58	65	70
83	122309	64	90	64	100	63	63	65	50
84	122310	62	90	62	90	58	58	35	60
85	122311	44	80	44	80	22	22	20	0
86	122312	66	90	66	90	68	68	70	50
87	122313	80	100	80	100	71	71	A	50
88	122314	52	100	52	100	67	67	75	50
89	122315	64	90	64	90	66	66	80	70
90	122316	82	90	82	90	88	88	60	60

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	58.43	100	58.43	100	80.23	80.23	73.86	60
Level Obtained	0	3	0	3	3	3	2	1

Attainment Calculation:

Course Outcome Attainment – C105:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C105.1	0	3	0.9	1	0.96	-	0.96
C105.2	0	3	0.9	1	0.96	-	0.96
C105.3	3	-	3	1	1.8	-	1.8
C105.4	3	-	3	1	1.8	-	1.8
C105.5	2	-	2	1	1.4	-	1.4
C105							**1.38**

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:

$$C105 = \frac{C105.1 + C105.2 + C105.3 + C105.4 + C105.5}{5} = 1.38$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122301	62	80	62	90	74	74	83	**70**
2	122108	95	90	95	90	88	88	92	**90**
3	122048	68	80	68	90	97	97	98	**80**
4	122308	58	90	58	80	92	92	81	**70**
5	122110	84	90	84	90	95	95	88	**70**
6	122119	69	90	69	90	93	93	80	**70**
7	122122	68	90	68	80	A	A	96	**60**
8	122039	50	90	50	90	96	96	95	**80**
9	122107	91	100	91	90	98	98	100	**100**
10	122037	97	90	97	90	99	99	96	**90**
11	122026	84	90	84	90	98	98	99	**80**
12	122019	74	80	74	80	96	96	84	**80**
13	122309	30	80	30	90	75	75	88	**70**
14	122012	82	100	82	90	95	95	93	**90**
15	122049	26	90	26	90	88	88	90	**50**
16	122007	36	90	36	90	98	98	82	**100**
17	122017	28	80	28	70	90	90	85	**60**
18	122045	52	80	52	90	84	84	89	**70**
19	122030	54	90	54	90	99	99	92	**80**
20	122106	50	60	50	60	40	40	80	**0**
21	122052	50	80	50	90	62	62	89	**50**
22	122112	52	90	52	80	96	96	88	**70**
23	122005	82	90	82	90	97	97	93	**80**
24	122029	76	90	76	90	90	90	98	**50**
25	122025	34	80	34	70	30	30	80	**70**
26	122314	50	80	50	90	72	72	87	**60**
27	122051	68	80	68	90	57	57	88	**0**
28	122047	52	70	52	70	50	50	89	**60**
29	122306	50	80	50	80	86	86	82	**80**
30	122036	58	80	58	80	96	96	89	**70**
31	122116	68	80	68	90	88	88	87	**80**
32	122001	58	90	58	80	96	96	82	**80**
33	122041	24	60	24	70	34	34	58	**50**
34	122104	77	90	77	100	98	98	98	**100**
35	122040	60	90	60	80	94	94	86	**0**
36	122117	78	90	78	90	96	96	90	**90**
37	122102	50	80	50	70	92	92	75	**70**
38	122109	52	90	52	90	94	94	50	**70**
39	122050	56	90	56	80	52	52	95	**60**
40	122054	70	90	70	90	94	94	85	**90**
41	122024	93	90	93	90	A	A	98	**80**
42	122010	66	80	66	90	96	96	81	**70**
43	122004	52	90	52	90	98	98	84	**80**
44	122015	56	80	56	80	66	66	93	**90**
45	122313	86	70	86	80	96	96	A	**70**
46	122023	64	80	64	90	88	88	95	**80**
47	122033	86	90	86	90	88	88	93	**90**

48	122312	50	90	50	80	70	70	50	**70**
49	122021	50	80	50	70	16	16	15	**50**
50	122022	88	100	88	100	94	94	78	**90**
51	122304	50	80	50	80	98	98	A	**80**
52	122044	50	90	50	80	68	68	65	**80**
53	122008	96	100	96	100	96	96	90	**80**
54	122006	100	100	100	100	88	88	96	**100**
55	122038	60	80	60	80	82	82	35	**70**
56	122105	50	80	50	90	96	96	57	**70**
57	122101	A	100	A	90	82	82	78	**80**
58	122034	94	100	94	90	94	94	59	**90**
59	122316	50	80	50	90	94	94	53	**50**
60	122305	80	80	80	80	A	A	10	**60**
61	122028	76	90	76	80	78	78	68	**80**
62	122046	20	80	20	80	82	82	40	**80**
63	122003	100	90	100	100	100	100	88	**80**
64	122113	80	90	80	80	74	74	53	**80**
65	122310	50	90	50	80	90	90	50	**70**
66	122103	18	80	18	70	60	60	43	**70**
67	122031	50	90	50	90	50	50	61	**70**
68	122115	60	80	60	70	90	90	55	**60**
69	122307	96	100	96	100	90	90	46	**60**
70	122016	98	90	98	90	90	90	96	**70**
71	122035	56	80	56	70	54	54	50	**60**
72	122302	58	100	58	90	94	94	85	**80**
73	122014	50	80	50	80	80	80	20	**50**
74	122053	98	90	98	90	94	94	90	**70**
75	122114	A	80	A	80	50	50	41	**60**
76	122315	50	80	50	80	62	62	35	**0**
77	122011	100	80	100	90	92	92	84	**60**
78	122013	60	90	60	90	94	94	76	**80**
79	122303	94	90	94	80	100	100	76	**60**
80	122120	64	80	64	90	74	74	57	**80**
81	122009	80	80	80	100	100	100	86	**80**
82	122042	82	90	82	90	82	82	65	**60**
83	122111	50	90	50	90	82	82	55	**70**
84	122043	30	80	30	90	A	A	12	**50**
85	122032	74	80	74	90	94	94	66	**70**
86	122027	100	90	100	100	100	100	98	**70**
87	122118	50	80	50	70	64	64	74	**50**
88	122018	94	80	94	90	80	80	59	**50**
89	122002	50	80	50	90	80	80	50	**70**
90	122311	16	80	16	80	50	50	15	**50**

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	52.27	95.56	52.27	87.78	86.05	86.05	71.59	68.89
Level Obtained	0	3	0	3	3	3	2	1

Attainment Calculation:

Course Outcome Attainment – C106:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C106.1	0	3	0.9	1	0.96	-	0.96
C106.2	0	3	0.9	1	0.96	-	0.96
C106.3	3	-	3	1	1.8	-	1.8
C106.4	3	-	3	1	1.8	-	1.8
C106.5	2	-	2	1	1.4	-	1.4
C106							**1.38**

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:

$$C106 = \frac{C106.1 + C106.2 + C106.3 + C106.4 + C106.5}{5} = 1.38$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	M	M	M	M	
1	122001	50	50	50	50	50	**90**
2	122002	70	70	70	70	70	**80**
3	122003	95	95	95	95	95	**100**
4	122004	70	70	70	70	70	**90**
5	122005	75	75	75	75	75	**100**
6	122006	98	98	98	98	98	**100**
7	122007	90	90	90	90	90	**100**
8	122008	95	95	95	95	95	**100**
9	122009	95	95	95	95	95	**90**
10	122010	65	65	65	65	65	**90**
11	122011	90	90	90	90	90	**100**
12	122012	85	85	85	85	85	**100**
13	122013	92	92	92	92	92	**100**
14	122014	90	90	90	90	90	**100**
15	122015	60	60	60	60	60	**80**
16	122016	90	90	90	90	90	**90**
17	122017	65	65	65	65	65	**90**
18	122018	85	85	85	85	85	**90**
19	122019	77	77	77	77	77	**100**
20	122021	75	75	75	75	75	**90**
21	122022	98	98	98	98	98	**100**
22	122023	70	70	70	70	70	**100**
23	122024	85	85	85	85	85	**100**
24	122025	55	55	55	55	55	**90**
25	122026	85	85	85	85	85	**100**
26	122027	85	85	85	85	85	**90**
27	122028	75	75	75	75	75	**80**
28	122029	75	75	75	75	75	**100**
29	122030	73	73	73	73	73	**100**
30	122031	80	80	80	80	80	**90**
31	122032	80	80	80	80	80	**90**
32	122033	95	95	95	95	95	**100**
33	122034	95	95	95	95	95	**100**
34	122035	70	70	70	70	70	**90**
35	122036	75	75	75	75	75	**100**
36	122037	55	55	55	55	55	**100**
37	122038	75	75	75	75	75	**90**
38	122039	57	57	57	57	57	**80**
39	122040	70	70	70	70	70	**100**
40	122041	70	70	70	70	70	**90**
41	122042	A	A	A	A	A	**90**
42	122043	70	70	70	70	70	**90**
43	122044	80	80	80	80	80	**90**
44	122045	70	70	70	70	70	**80**
45	122046	85	85	85	85	85	**90**
46	122047	80	80	80	80	80	**80**
47	122048	55	55	55	55	55	**80**

48	122049	50	50	50	50	50	**90**
49	122050	65	65	65	65	65	**80**
50	122051	75	75	75	75	75	**90**
51	122052	60	60	60	60	60	**80**
52	122053	75	75	75	75	75	**90**
53	122054	75	75	75	75	75	**90**
54	122101	95	95	95	95	95	**90**
55	122102	75	75	75	75	75	**100**
56	122103	70	70	70	70	70	**90**
57	122104	70	70	70	70	70	**90**
58	122105	70	70	70	70	70	**90**
59	122106	70	70	70	70	70	**80**
60	122107	97	97	97	97	97	**100**
61	122108	90	90	90	90	90	**100**
62	122109	93	93	93	93	93	**100**
63	122110	55	55	55	55	55	**80**
64	122111	70	70	70	70	70	**90**
65	122112	72	72	72	72	72	**80**
66	122113	75	75	75	75	75	**90**
67	122114	85	85	85	85	85	**90**
68	122115	75	75	75	75	75	**80**
69	122116	70	70	70	70	70	**90**
70	122117	80	80	80	80	80	**90**
71	122118	90	90	90	90	90	**90**
72	122119	70	70	70	70	70	**80**
73	122120	90	90	90	90	90	**90**
74	122122	73	73	73	73	73	**90**
75	122301	80	80	80	80	80	**90**
76	122302	A	A	A	A	A	**90**
77	122303	90	90	90	90	90	**90**
78	122304	A	A	A	A	A	**90**
79	122305	A	A	A	A	A	**90**
80	122306	96	96	96	96	96	**100**
81	122307	90	90	90	90	90	**100**
82	122308	65	65	65	65	65	**90**
83	122309	65	65	65	65	65	**90**
84	122310	70	70	70	70	70	**90**
85	122311	55	55	55	55	55	**70**
86	122312	80	80	80	80	80	**90**
87	122313	65	65	65	65	65	**80**
88	122314	94	94	94	94	94	**90**
89	122315	90	90	90	90	90	**90**
90	122316	85	85	85	85	85	**100**

Benchmark	**C107.1**	**C107.2**	**C107.3**	**C107.4**	**C107.5**	**AU**
	M	**M**	**M**	**M**	**M**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	44.19	44.19	44.19	44.19	44.19	82.22
Level Obtained	0	0	0	0	0	3

Attainment Calculation:

Course Outcome Attainment – C107:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C107.1	0	-	0	3	1.8	-	1.8
C107.2	0	-	0	3	1.8	-	1.8
C107.3	0	-	0	3	1.8	-	1.8
C107.4	0	-	0	3	1.8	-	1.8
C107.5	0	-	0	3	1.8	-	1.8
C107							**1.8**

Formula for Attainment Calculations:

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

Overall Attainment:

$$C107 = \frac{C107.1 + C107.2 + C107.3 + C107.4 + C107.5}{5} = 1.8$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	M	M	M	M	
1	122001	100	100	100	100	100	**90**
2	122002	79	79	79	79	79	**80**
3	122003	99	99	99	99	99	**90**
4	122004	90	90	90	90	90	**80**
5	122005	100	100	100	100	100	**90**
6	122006	96	96	96	96	96	**90**
7	122007	96	96	96	96	96	**90**
8	122008	84	84	84	84	84	**100**
9	122009	79	79	79	79	79	**90**
10	122010	93	93	93	93	93	**90**
11	122011	83	83	83	83	83	**80**
12	122012	87	87	87	87	87	**100**
13	122013	79	79	79	79	79	**80**
14	122014	90	90	90	90	90	**90**
15	122015	87	87	87	87	87	**90**
16	122016	87	87	87	87	87	**90**
17	122017	85	85	85	85	85	**90**
18	122018	78	78	78	78	78	**100**
19	122019	89	89	89	89	89	**100**
20	122021	83	83	83	83	83	**90**
21	122022	87	87	87	87	87	**90**
22	122023	98	98	98	98	98	**90**
23	122024	96	96	96	96	96	**90**
24	122025	93	93	93	93	93	**90**
25	122026	88	88	88	88	88	**100**
26	122027	98	98	98	98	98	**90**
27	122028	83	83	83	83	83	**80**
28	122029	85	85	85	85	85	**90**
29	122030	83	83	83	83	83	**90**
30	122031	80	80	80	80	80	**80**
31	122032	93	93	93	93	93	**90**
32	122033	78	78	78	78	78	**90**
33	122034	86	86	86	86	86	**90**
34	122035	83	83	83	83	83	**80**
35	122036	80	80	80	80	80	**90**
36	122037	96	96	96	96	96	**90**
37	122038	90	90	90	90	90	**90**
38	122039	93	93	93	93	93	**90**
39	122040	96	96	96	96	96	**90**
40	122041	83	83	83	83	83	**90**
41	122042	84	84	84	84	84	**90**
42	122043	88	88	88	88	88	**80**
43	122044	85	85	85	85	85	**90**
44	122045	93	93	93	93	93	**90**
45	122046	84	84	84	84	84	**80**
46	122047	86	86	86	86	86	**80**
47	122048	96	96	96	96	96	**90**

48	122049	84	84	84	84	84	**90**
49	122050	93	93	93	93	93	**90**
50	122051	87	87	87	87	87	**80**
51	122052	70	70	70	70	70	**80**
52	122053	87	87	87	87	87	**80**
53	122054	93	93	93	93	93	**90**
54	122101	85	85	85	85	85	**90**
55	122102	93	93	93	93	93	**90**
56	122103	83	83	83	83	83	**90**
57	122104	100	100	100	100	100	**90**
58	122105	93	93	93	93	93	**90**
59	122106	83	83	83	83	83	**90**
60	122107	96	96	96	96	96	**100**
61	122108	100	100	100	100	100	**90**
62	122109	98	98	98	98	98	**90**
63	122110	100	100	100	100	100	**100**
64	122111	87	87	87	87	87	**90**
65	122112	88	88	88	88	88	**90**
66	122113	87	87	87	87	87	**80**
67	122114	87	87	87	87	87	**80**
68	122115	78	78	78	78	78	**80**
69	122116	85	85	85	85	85	**90**
70	122117	90	90	90	90	90	**100**
71	122118	94	94	94	94	94	**90**
72	122119	98	98	98	98	98	**90**
73	122120	79	79	79	79	79	**80**
74	122122	86	86	86	86	86	**80**
75	122301	93	93	93	93	93	**80**
76	122302	83	83	83	83	83	**80**
77	122303	78	78	78	78	78	**80**
78	122304	90	90	90	90	90	**90**
79	122305	0	0	0	0	0	**90**
80	122306	85	85	85	85	85	**90**
81	122307	84	84	84	84	84	**90**
82	122308	90	90	90	90	90	**90**
83	122309	77	77	77	77	77	**90**
84	122310	84	84	84	84	84	**90**
85	122311	83	83	83	83	83	**90**
86	122312	78	78	78	78	78	**90**
87	122313	78	78	78	78	78	**100**
88	122314	93	93	93	93	93	**90**
89	122315	79	79	79	79	79	**80**
90	122316	90	90	90	90	90	**90**

Benchmark	**C108.1**	**C108.2**	**C108.3**	**C108.4**	**C108.5**	**AU**
	M	**M**	**M**	**M**	**M**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	84.44	84.44	84.44	84.44	84.44	75.56
Level Obtained	3	3	3	3	3	2

Attainment Calculation:

Course Outcome Attainment – C108:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C108.1	3	-	3	2	2.4	-	2.4
C108.2	3	-	3	2	2.4	-	2.4
C108.3	3	-	3	2	2.4	-	2.4
C108.4	3	-	3	2	2.4	-	2.4
C108.5	3	-	3	2	2.4	-	2.4
C108							**2.4**

Formula for Attainment Calculations:

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

Overall Attainment:

$$C108 = \frac{C108.1 + C108.2 + C108.3 + C108.4 + C108.5}{5} = 2.4$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122001	34	100	34	100	50	100	50	100	79	100	0
2	122002	35	100	35	100	54	100	54	100	75	100	50
3	122003	66	100	66	100	60	100	60	100	88	100	70
4	122004	63	100	63	100	52	100	52	100	80	100	60
5	122005	77	100	77	100	66	100	66	100	79	100	70
6	122006	74	100	74	100	66	100	66	100	85	100	80
7	122007	56	100	56	100	54	100	54	100	86	100	60
8	122008	67	100	67	100	66	100	66	100	80	100	70
9	122009	77	80	77	80	72	100	72	100	82	100	80
10	122010	61	100	61	100	66	100	66	100	86	100	80
11	122011	55	90	55	90	56	100	56	100	75	100	50
12	122012	A	100	A	100	74	100	74	100	96	90	80
13	122013	64	100	64	100	70	100	70	100	83	100	70
14	122014	53	100	53	100	62	100	62	100	87	100	80
15	122015	34	100	34	100	50	100	50	100	83	100	50
16	122016	58	100	58	100	66	100	66	100	80	100	70
17	122017	50	100	50	100	52	100	52	100	75	100	50
18	122018	58	100	58	100	52	100	52	100	76	100	50
19	122019	58	90	58	90	54	100	54	100	79	90	70
20	122021	27	100	27	100	50	90	50	90	75	100	50
21	122022	64	100	64	100	60	100	60	100	80	100	80
22	122023	74	100	74	100	74	100	74	100	89	100	80
23	122024	74	100	74	100	68	100	68	100	77	100	80
24	122025	42	100	42	100	34	100	34	100	81	100	50
25	122026	80	100	80	100	80	100	80	100	95	100	80
26	122027	53	100	53	100	68	100	68	100	86	100	70
27	122028	12	100	12	100	50	80	50	80	75	100	60
28	122029	54	100	54	100	68	100	68	100	83	100	70
29	122030	69	100	69	100	60	100	60	100	88	100	70
30	122031	13	80	13	80	60	90	60	90	87	100	50
31	122032	54	100	54	100	60	100	60	100	81	100	70
32	122033	68	90	68	90	64	100	64	100	90	90	80
33	122034	67	100	67	100	70	100	70	100	88	100	80
34	122035	57	100	57	100	52	100	52	100	82	100	70
35	122036	61	100	61	100	64	100	64	100	83	100	60
36	122037	75	100	75	100	56	100	56	100	87	100	70
37	122038	40	100	40	100	58	100	58	100	74	100	70
38	122039	65	100	65	100	56	90	56	90	80	90	60
39	122040	57	90	57	90	54	100	54	100	88	90	80
40	122041	60	80	60	80	56	80	56	80	81	100	80
41	122042	74	80	74	80	68	80	68	80	83	80	70
42	122043	50	100	50	100	52	100	52	100	76	100	50
43	122044	30	100	30	100	54	80	54	80	75	80	70
44	122045	27	100	27	100	52	100	52	100	76	100	60
45	122046	64	100	64	100	52	100	52	100	85	100	80
46	122047	37	100	37	100	50	100	50	100	75	100	50
47	122048	29	90	29	90	50	100	50	100	72	100	0

48	122049	54	80	54	80	58	80	58	80	71	80	0
49	122050	A	100	A	100	50	100	50	100	72	100	50
50	122051	50	90	50	90	50	90	50	90	76	100	50
51	122052	57	100	57	100	50	100	50	100	83	100	50
52	122053	61	100	61	100	52	100	52	100	76	100	60
53	122054	47	90	47	90	52	90	52	90	80	100	70
54	122101	35	90	35	90	52	100	52	100	90	90	70
55	122102	55	100	55	100	60	100	60	100	90	100	50
56	122103	50	100	50	100	56	100	56	100	87	100	80
57	122104	72	100	72	100	A	100	A	100	85	100	70
58	122105	18	100	18	100	50	100	50	100	75	100	50
59	122106	67	90	67	90	56	100	56	100	81	100	50
60	122107	64	100	64	100	64	100	64	100	84	100	80
61	122108	28	100	28	100	54	100	54	100	85	100	70
62	122109	72	100	72	100	56	100	56	100	91	100	70
63	122110	31	98	31	98	50	90	50	90	73	98	70
64	122111	50	95	50	95	50	91	50	91	82	95	60
65	122112	37	98	37	98	50	93	50	93	78	98	50
66	122113	50	97	50	97	50	94	50	94	76	97	0
67	122114	62	96	62	96	54	94	54	94	75	96	60
68	122115	23	98	23	98	50	98	50	98	74	98	0
69	122116	19	95	19	95	22	92	22	92	85	95	0
70	122117	62	97	62	97	70	98	70	98	91	97	80
71	122118	68	96	68	96	50	96	50	96	80	96	70
72	122119	61	94	61	94	60	95	60	95	76	94	80
73	122120	56	96	56	96	54	94	54	94	75	96	70
74	122122	34	98	34	98	50	94	50	94	79	98	50
75	122301	74	97	74	97	66	96	66	96	90	97	70
76	122302	20	92	20	92	64	95	64	95	83	92	60
77	122303	55	96	55	96	58	98	58	98	82	96	70
78	122304	76	95	76	95	66	95	66	95	A	95	80
79	122305	51	98	51	98	60	95	60	95	84	98	70
80	122306	23	94	23	94	56	100	56	100	80	94	70
81	122307	71	98	71	98	66	92	66	92	85	98	70
82	122308	A	96	A	96	50	99	50	99	83	96	70
83	122309	63	92	63	92	50	98	50	98	77	92	70
84	122310	43	94	43	94	56	98	56	98	76	94	60
85	122311	36	98	36	98	50	94	50	94	76	98	70
86	122312	50	98	50	98	58	98	58	98	75	98	50
87	122313	70	94	70	94	72	95	72	95	88	94	70
88	122314	51	93	51	93	54	97	54	97	78	93	50
89	122315	40	92	40	92	54	98	54	98	76	92	50
90	122316	62	91	62	91	58	95	58	95	90	91	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	41.38	100	41.38	100	37.08	100	37.08	100	100	100	57.78
Level Obtained	0	3	0	3	0	3	0	3	3	3	0

Attainment Calculation:

Course Outcome Attainment – C110:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C110.1	0	3	0.9	0	0.36	-	0.36
C110.2	0	3	0.9	0	0.36	-	0.36
C110.3	0	3	0.9	0	0.36	-	0.36
C110.4	0	3	0.9	0	0.36	-	0.36
C110.5	3	3	3	0	1.2	-	1.2
C110							**0.53**

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:

$$C110 = \frac{C110.1 + C110.2 + C110.3 + C110.4 + C110.5}{5} = 0.53$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122001	50	100	50	100	96	100	96	100	46	0
2	122002	31	100	31	100	82	100	82	100	30	70
3	122003	98	100	98	100	100	100	100	100	59	100
4	122004	72	100	72	100	96	0	96	0	68	100
5	122005	88	100	88	100	94	100	94	100	70	90
6	122006	96	100	96	100	92	100	92	100	72	100
7	122007	64	100	64	100	86	100	86	100	67	80
8	122008	100	100	100	100	100	100	100	100	94	90
9	122009	95	100	95	100	98	100	98	100	96	100
10	122010	84	100	84	100	68	100	68	100	41	70
11	122011	92	100	92	100	96	100	96	100	75	100
12	122012	A	0	A	0	98	100	98	100	70	90
13	122013	83	100	83	100	94	100	94	100	67	80
14	122014	34	100	34	100	24	100	24	100	17	70
15	122015	32	100	32	100	96	100	96	100	51	90
16	122016	93	100	93	100	90	100	90	100	65	100
17	122017	59	100	59	100	56	100	56	100	23	90
18	122018	82	100	82	100	86	100	86	100	59	60
19	122019	50	100	50	100	60	100	60	100	52	100
20	122021	29	100	29	100	50	100	50	100	25	50
21	122022	100	100	100	100	100	100	100	100	80	100
22	122023	95	100	95	100	98	100	98	100	72	90
23	122024	100	100	100	100	88	100	88	100	A	100
24	122025	27	100	27	100	32	100	32	100	35	60
25	122026	84	100	84	100	98	100	98	100	57	90
26	122027	90	100	90	100	98	100	98	100	72	90
27	122028	63	100	63	100	60	100	60	100	15	50
28	122029	66	100	66	100	58	100	58	100	42	70
29	122030	76	100	76	100	66	100	66	100	50	50
30	122031	11	100	11	100	50	100	50	100	25	70
31	122032	41	100	41	100	80	100	80	100	50	50
32	122033	97	100	97	100	94	100	94	100	80	100
33	122034	78	100	78	100	98	100	98	100	76	90
34	122035	87	100	87	100	88	100	88	100	21	80
35	122036	88	100	88	100	96	100	96	100	79	100
36	122037	67	100	67	100	90	0	90	0	80	90
37	122038	56	100	56	100	80	100	80	100	5	50
38	122039	77	100	77	100	96	100	96	100	77	80
39	122040	85	100	85	100	98	100	98	100	64	90
40	122041	40	100	40	100	76	100	76	100	51	90
41	122042	87	100	87	100	92	100	92	100	38	80
42	122043	63	100	63	100	80	100	80	100	71	100
43	122044	36	100	36	100	64	100	64	100	3	0
44	122045	24	100	24	100	30	100	30	100	39	80
45	122046	82	100	82	100	76	100	76	100	63	70
46	122047	19	100	19	100	28	100	28	100	33	50
47	122048	24	100	24	100	36	100	36	100	51	60

48	122049	38	100	38	100	68	100	68	100	45	70
49	122050	A	100	A	100	64	100	64	100	42	60
50	122051	62	100	62	100	64	100	64	100	50	50
51	122052	27	100	27	100	50	100	50	100	50	50
52	122053	90	100	90	100	95	100	95	100	50	90
53	122054	28	100	28	100	78	100	78	100	63	70
54	122101	50	100	50	100	58	100	58	100	52	60
55	122102	71	100	71	100	82	100	82	100	31	90
56	122103	85	100	85	100	76	100	76	100	61	80
57	122104	54	100	54	100	64	100	64	100	31	70
58	122105	54	100	54	100	88	100	88	100	57	80
59	122106	32	100	32	100	70	100	70	100	17	70
60	122107	97	100	97	100	96	100	96	100	84	100
61	122108	50	100	50	100	94	100	94	100	A	70
62	122109	62	100	62	100	74	100	74	100	29	70
63	122110	55	100	55	100	90	100	90	100	29	70
64	122111	54	100	54	100	94	100	94	100	50	80
65	122112	50	100	50	100	54	100	54	100	34	80
66	122113	50	100	50	100	80	100	80	100	27	70
67	122114	61	100	61	100	84	100	84	100	39	50
68	122115	37	100	37	100	68	100	68	100	51	70
69	122116	72	100	72	100	62	0	62	0	50	70
70	122117	74	100	74	100	80	100	80	100	42	90
71	122118	80	100	80	100	A	100	A	100	9	70
72	122119	54	0	54	0	92	100	92	100	29	50
73	122120	82	100	82	100	98	100	98	100	56	80
74	122122	65	100	65	100	50	100	50	100	50	50
75	122301	97	100	97	100	94	100	94	100	87	100
76	122302	73	100	73	100	80	100	80	100	70	90
77	122303	95	100	95	100	98	100	98	100	80	100
78	122304	100	100	100	100	100	100	100	100	57	90
79	122305	33	100	33	100	80	100	80	100	A	60
80	122306	17	100	17	100	64	100	64	100	16	70
81	122307	93	100	93	100	88	100	88	100	61	80
82	122308	A	100	A	100	64	100	64	100	23	50
83	122309	50	100	50	100	56	100	56	100	16	60
84	122310	65	100	65	100	90	100	90	100	32	90
85	122311	0	100	0	100	A	100	A	100	2	0
86	122312	64	100	64	100	84	100	84	100	76	80
87	122313	54	100	54	100	90	100	90	100	38	50
88	122314	33	100	33	100	62	100	62	100	30	80
89	122315	64	100	64	100	58	100	58	100	A	0
90	122316	83	100	83	100	92	100	92	100	55	90

	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	58.62	97.78	58.62	97.78	82.95	96.67	82.95	96.67	33.72	73.33
Level Obtained	0	3	0	3	3	3	3	3	0	2

Attainment Calculation:

Course Outcome Attainment – C111:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C111.1	0	3	0.9	2	1.56	-	1.56
C111.2	0	3	0.9	2	1.56	-	1.56
C111.3	3	3	3	2	2.4	-	2.4
C111.4	3	3	3	2	2.4	-	2.4
C111.5	0	-	0	2	1.2	-	1.2
C111							**1.82**

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:

$$C111 = \frac{C111.1 + C111.2 + C111.3 + C111.4 + C111.5}{5} = 1.82$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122001	50	100	50	50	100	50	36	60
2	122002	50	100	50	60	100	60	25	0
3	122003	88	100	88	88	100	88	66	90
4	122004	86	100	86	96	100	96	75	80
5	122005	88	100	88	92	100	92	63	80
6	122006	74	100	74	96	100	96	57	100
7	122007	68	100	68	90	100	90	48	70
8	122008	90	100	90	96	100	96	69	70
9	122009	98	100	98	90	100	90	86	50
10	122010	50	100	50	72	100	72	A	60
11	122011	78	100	78	84	100	84	62	80
12	122012	90	100	90	96	100	96	75	90
13	122013	79	100	79	96	100	96	73	70
14	122014	51	100	51	68	100	68	33	0
15	122015	63	100	63	82	100	82	37	70
16	122016	76	100	76	84	100	84	39	70
17	122017	51	100	51	54	100	54	11	0
18	122018	77	100	77	72	100	72	56	60
19	122019	62	100	62	80	100	80	60	50
20	122021	52	100	52	50	100	50	26	50
21	122022	71	100	71	88	100	88	68	0
22	122023	82	100	82	98	100	98	70	70
23	122024	88	100	88	92	100	92	63	90
24	122025	56	100	56	74	100	74	15	50
25	122026	90	100	90	88	100	88	70	70
26	122027	80	100	80	84	100	84	64	80
27	122028	33	100	33	50	100	50	7	60
28	122029	75	100	75	88	100	88	14	70
29	122030	74	100	74	72	100	72	43	60
30	122031	31	100	31	64	100	64	0	50
31	122032	60	100	60	84	100	84	22	50
32	122033	76	100	76	96	100	96	56	80
33	122034	88	100	88	80	100	80	53	80
34	122035	54	100	54	84	100	84	24	60
35	122036	81	100	81	92	100	92	75	70
36	122037	71	100	71	80	100	80	59	50
37	122038	56	100	56	76	100	76	23	70
38	122039	85	100	85	96	100	96	73	70
39	122040	88	100	88	82	100	82	56	50
40	122041	60	100	60	50	100	50	65	70
41	122042	75	100	75	80	100	80	24	60
42	122043	65	100	65	82	100	82	50	50
43	122044	50	100	50	50	100	50	30	0
44	122045	59	100	59	26	100	26	9	50
45	122046	69	100	69	60	100	60	50	60
46	122047	26	100	26	48	100	48	12	0
47	122048	26	100	26	52	100	52	11	50

48	122049	50	100	50	58	100	58	45	50
49	122050	50	100	50	68	100	68	27	0
50	122051	86	100	86	72	100	72	50	70
51	122052	50	100	50	78	100	78	14	50
52	122053	54	100	54	84	100	84	51	60
53	122054	57	100	57	76	100	76	43	50
54	122101	54	100	54	88	100	88	28	60
55	122102	69	100	69	80	100	80	38	80
56	122103	79	100	79	84	100	84	71	50
57	122104	55	100	55	70	100	70	38	70
58	122105	61	100	61	88	100	88	34	60
59	122106	54	100	54	56	100	56	6	50
60	122107	72	100	72	72	100	72	61	50
61	122108	50	100	50	62	100	62	22	50
62	122109	60	100	60	88	100	88	51	80
63	122110	67	100	67	76	100	76	24	70
64	122111	18	100	18	54	100	54	28	50
65	122112	56	100	56	64	100	64	19	0
66	122113	A	100	A	36	100	36	22	70
67	122114	50	100	50	72	100	72	50	60
68	122115	33	100	33	60	100	60	26	50
69	122116	50	100	50	60	100	60	23	50
70	122117	69	100	69	88	100	88	35	80
71	122118	69	100	69	58	100	58	1	50
72	122119	51	100	51	64	100	64	15	60
73	122120	71	100	71	74	100	74	65	50
74	122122	74	100	74	68	100	68	34	50
75	122301	79	100	79	92	100	92	66	80
76	122302	50	100	50	56	100	56	50	50
77	122303	71	100	71	78	100	78	66	50
78	122304	94	100	94	94	100	94	57	70
79	122305	59	100	59	84	100	84	A	60
80	122306	29	100	29	56	100	56	21	50
81	122307	84	100	84	78	100	78	58	70
82	122308	50	100	50	76	100	76	33	50
83	122309	A	100	A	40	100	40	17	50
84	122310	5	100	5	56	100	56	51	50
85	122311	0	100	0	26	100	26	4	0
86	122312	69	100	69	64	100	64	50	50
87	122313	50	100	50	72	100	72	44	70
88	122314	53	100	53	68	100	68	33	50
89	122315	51	100	51	66	100	66	51	80
90	122316	63	100	63	96	100	96	50	90

	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	55.68	100	55.68	78.89	100	78.89	25	38.89
Level Obtained	0	3	0	2	3	2	0	0

Attainment Calculation:

Course Outcome Attainment – C112:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C112.1	0	3	0.9	0	0.36	-	0.36
C112.2	0	-	0	0	0	-	0
C112.3	2	3	2.3	0	0.92	-	0.92
C112.4	2	-	2	0	0.8	-	0.8
C112.5	0	-	0	0	0	-	0
C112							**0.42**

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:

$$C112 = \frac{C112.1 + C112.2 + C112.3 + C112.4 + C112.5}{5} = 0.42$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	A2	CIT3	
1	122001	31	31	80	30	30	90	26	60
2	122002	50	50	80	46	46	80	22	50
3	122003	74	74	100	82	82	100	86	80
4	122004	70	70	90	88	88	90	72	80
5	122005	61	61	90	92	92	80	79	90
6	122006	93	93	80	92	92	100	A	90
7	122007	66	66	80	70	70	70	75	60
8	122008	81	81	100	88	88	100	70	90
9	122009	95	95	80	88	88	100	87	90
10	122010	31	31	90	62	62	80	62	70
11	122011	65	65	80	82	82	80	71	80
12	122012	84	84	100	96	96	80	72	90
13	122013	75	75	80	98	98	100	88	70
14	122014	69	69	100	50	50	80	29	80
15	122015	54	54	80	84	84	80	36	70
16	122016	75	75	100	82	82	100	51	70
17	122017	33	33	90	32	32	80	19	50
18	122018	60	60	80	60	60	100	71	70
19	122019	60	60	80	68	68	80	72	70
20	122021	54	54	100	64	64	100	52	50
21	122022	70	70	100	74	74	100	79	80
22	122023	100	100	100	100	100	100	90	80
23	122024	91	91	90	92	92	80	76	90
24	122025	38	38	80	56	56	100	34	50
25	122026	83	83	100	100	100	100	70	80
26	122027	86	86	80	92	92	100	83	80
27	122028	38	38	90	26	26	100	24	50
28	122029	60	60	80	88	88	100	23	70
29	122030	62	62	80	78	78	80	76	50
30	122031	21	21	80	70	70	100	2	50
31	122032	59	59	80	76	76	0	63	80
32	122033	81	81	80	74	74	100	78	80
33	122034	87	87	80	74	74	100	77	70
34	122035	67	67	100	76	76	100	14	80
35	122036	82	82	90	70	70	100	68	90
36	122037	52	52	100	84	84	100	74	70
37	122038	58	58	100	58	58	100	42	60
38	122039	78	78	80	92	92	100	64	90
39	122040	80	80	90	84	84	100	62	70
40	122041	70	70	90	50	50	100	66	80
41	122042	70	70	60	78	78	100	50	50
42	122043	60	60	80	78	78	100	51	60
43	122044	40	40	80	50	50	100	28	50
44	122045	27	27	80	20	20	80	54	50
45	122046	60	60	100	60	60	100	55	50
46	122047	24	24	90	12	12	100	29	50
47	122048	38	38	80	56	56	90	76	50

48	122049	60	60	90	64	64	100	68	50
49	122050	26	26	80	50	50	80	A	50
50	122051	54	54	80	78	78	80	67	60
51	122052	50	50	80	50	50	100	34	50
52	122053	69	69	100	76	76	100	58	70
53	122054	56	56	80	80	80	70	60	50
54	122101	39	39	80	50	50	100	52	60
55	122102	54	54	80	78	78	90	69	70
56	122103	83	83	80	92	92	100	87	80
57	122104	66	66	100	50	50	100	76	50
58	122105	54	54	60	76	76	100	32	60
59	122106	54	54	80	76	76	90	33	50
60	122107	70	70	100	84	84	90	80	70
61	122108	34	34	80	78	78	80	60	50
62	122109	68	68	90	86	86	100	62	70
63	122110	50	50	90	52	52	90	26	50
64	122111	50	50	80	50	50	100	A	70
65	122112	18	18	90	50	50	70	37	50
66	122113	24	24	80	52	52	100	4	50
67	122114	54	54	80	60	60	0	36	50
68	122115	50	50	100	32	32	100	30	50
69	122116	16	16	80	52	52	90	24	60
70	122117	78	78	100	96	96	90	70	70
71	122118	61	61	60	42	42	40	2	50
72	122119	34	34	80	72	72	90	20	80
73	122120	82	82	80	66	66	100	82	80
74	122122	53	53	90	80	80	100	66	50
75	122301	66	66	80	92	92	100	68	70
76	122302	56	56	80	70	70	80	51	70
77	122303	67	67	80	88	88	100	87	90
78	122304	92	92	100	84	84	100	A	70
79	122305	61	61	80	60	60	100	A	50
80	122306	15	15	80	56	56	80	69	50
81	122307	76	76	100	56	56	100	72	70
82	122308	54	54	80	56	56	80	60	50
83	122309	15	15	100	50	50	80	A	50
84	122310	50	50	0	46	46	80	33	50
85	122311	2	2	60	A	A	0	11	0
86	122312	60	60	80	72	72	100	65	50
87	122313	56	56	100	70	70	100	58	80
88	122314	52	52	90	80	80	100	78	60
89	122315	56	56	100	56	56	100	68	60
90	122316	65	65	100	96	96	0	83	90

Benchmark	**C113.1**	**C113.2**		**C113.4**	**C113.4**		**C113.5**	**AU**
	CIT1	**CIT1**	**A1**	**CIT2**	**CIT2**	**A2**	**CIT3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	52.22	52.22	94.44	67.42	67.42	91.11	57.14	51.11
Level Obtained	0	0	3	1	1	3	0	0

Attainment Calculation:

Course Outcome Attainment – C113:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C113.1	0	-	0	0	0	-	0
C113.2	0	3	0.9	0	0.36	-	0.36
C113.3	1	-	1	0	0.4	-	0.4
C113.4	1	3	1.6	0	0.64	-	0.64
C113.5	0	-	0	0	0	-	0
C113							**0.28**

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	[0.7*Internal Test + 0.3*Assignment]
C113.5	AU Exam	[1*Internal Test]

Overall Attainment:

$$C113 = \frac{C113.1 + C113.2 + C113.3 + C113.4 + C113.5}{5} = 0.28$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	A1	CIT1	A2	CIT2	CIT2	CIT3	
1	122001	32	80	32	100	56	56	53	50
2	122002	32	70	32	80	50	50	32	60
3	122003	84	80	84	80	72	72	70	80
4	122004	57	90	57	100	82	82	69	80
5	122005	83	90	83	100	82	82	73	80
6	122006	50	70	50	80	72	72	73	70
7	122007	50	90	50	100	72	72	63	80
8	122008	98	60	98	70	82	82	74	80
9	122009	98	80	98	70	88	88	90	80
10	122010	50	90	50	100	A	A	60	60
11	122011	80	90	80	70	90	90	72	70
12	122012	67	90	67	100	92	92	75	70
13	122013	64	80	64	80	84	84	62	60
14	122014	50	60	50	80	64	64	60	70
15	122015	60	90	60	100	82	82	71	60
16	122016	70	80	70	70	64	64	72	50
17	122017	61	90	61	100	16	16	50	50
18	122018	56	80	56	80	62	62	71	80
19	122019	56	90	56	100	74	74	60	70
20	122021	50	80	50	80	54	54	57	50
21	122022	64	80	64	80	94	94	73	90
22	122023	61	90	61	100	76	76	59	70
23	122024	91	90	91	100	76	76	75	80
24	122025	50	90	50	100	76	76	65	50
25	122026	64	90	64	100	88	88	A	80
26	122027	88	90	88	70	100	100	80	80
27	122028	62	60	62	80	50	50	15	50
28	122029	70	90	70	100	68	68	58	70
29	122030	57	90	57	100	52	52	52	70
30	122031	62	80	62	80	62	62	20	80
31	122032	72	80	72	80	78	78	63	70
32	122033	70	80	70	80	86	86	65	70
33	122034	90	70	90	80	62	62	77	50
34	122035	76	80	76	80	52	52	55	80
35	122036	A	90	A	100	82	82	71	70
36	122037	77	90	77	100	72	72	70	70
37	122038	50	60	50	70	56	56	32	60
38	122039	51	90	51	100	84	84	70	50
39	122040	63	90	63	100	72	72	61	90
40	122041	38	90	38	100	28	28	50	80
41	122042	50	80	50	80	70	70	A	50
42	122043	72	80	72	70	94	94	51	70
43	122044	20	50	20	60	40	40	52	60
44	122045	50	80	50	100	60	60	50	50
45	122046	50	60	50	70	62	62	28	70
46	122047	16	90	16	100	32	32	30	50
47	122048	20	90	20	100	68	68	60	50

48	122049	50	90	50	100	52	52	A	50
49	122050	27	90	27	100	50	50	A	50
50	122051	19	90	19	100	54	54	35	50
51	122052	27	90	27	100	36	36	42	50
52	122053	50	80	50	80	78	78	72	80
53	122054	55	90	55	100	88	88	A	50
54	122101	70	70	70	80	54	54	54	60
55	122102	62	90	62	100	84	84	63	70
56	122103	54	80	54	70	60	60	70	90
57	122104	35	90	35	100	56	56	60	70
58	122105	28	70	28	80	76	76	52	60
59	122106	50	90	50	100	64	64	50	50
60	122107	86	90	86	100	92	92	68	90
61	122108	64	90	64	100	92	92	70	80
62	122109	55	90	55	100	60	60	59	90
63	122110	82	90	82	100	58	58	60	50
64	122111	72	80	72	80	80	80	64	70
65	122112	55	90	55	100	72	72	64	50
66	122113	70	70	70	60	30	30	16	50
67	122114	50	60	50	70	50	50	54	50
68	122115	70	70	70	70	36	36	66	70
69	122116	50	90	50	100	56	56	50	60
70	122117	76	90	76	100	52	52	70	80
71	122118	64	70	64	80	40	40	33	70
72	122119	51	90	51	100	56	56	50	70
73	122120	74	80	74	80	52	52	69	50
74	122122	73	90	73	100	64	64	55	50
75	122301	71	90	71	100	74	74	70	80
76	122302	74	80	74	70	82	82	58	80
77	122303	78	70	78	70	56	56	68	50
78	122304	66	70	66	80	A	A	A	70
79	122305	50	60	50	70	42	42	A	50
80	122306	30	90	30	100	20	20	50	70
81	122307	54	80	54	80	90	90	72	70
82	122308	26	90	26	100	24	24	60	50
83	122309	10	90	10	100	30	30	40	50
84	122310	58	70	58	80	54	54	26	60
85	122311	32	70	32	70	16	16	2	60
86	122312	16	70	16	60	70	70	58	50
87	122313	32	90	32	100	56	56	54	50
88	122314	50	90	50	100	50	50	53	50
89	122315	60	60	60	70	34	34	52	50
90	122316	50	60	50	70	70	70	70	80

Benchmark	**C115.1**		**C115.2**		**C115.3**	**C115.4**	**C115.5**	**AU**
	CIT1	**A1**	**CIT1**	**A2**	**CIT2**	**CIT2**	**CIT3**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	47.19	74.44	47.19	77.78	59.09	59.09	54.22	52.22
Level Obtained	0	2	0	2	0	0	0	0

Attainment Calculation:

Course Outcome Attainment – C115:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C115.1	0	2	0.6	0	0.24	-	0.24
C115.2	0	2	0.6	0	0.24	-	0.24
C115.3	0	-	0	0	0	-	0
C115.4	0	-	0	0	0	-	0
C115.5	0	-	0	0	0	-	0
C115							**0.1**

Formula for Attainment Calculations:

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

Overall Attainment:

$$C115 = \frac{C115.1 + C115.2 + C115.3 + C115.4 + C115.5}{5} = 0.1$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122001	66	90	66	90	52	90	52	90	74	50
2	122002	56	70	56	70	68	80	68	80	32	0
3	122003	92	100	92	100	92	90	92	90	92	70
4	122004	82	80	82	80	92	60	92	60	78	70
5	122005	88	90	88	90	84	80	84	80	80	80
6	122006	96	100	96	100	92	100	92	100	85	80
7	122007	80	70	80	70	100	70	100	70	87	80
8	122008	90	90	90	90	88	80	88	80	91	70
9	122009	86	100	86	100	84	90	84	90	78	80
10	122010	90	90	90	90	64	80	64	80	32	60
11	122011	84	80	84	80	80	80	80	80	32	50
12	122012	88	90	88	90	100	90	100	90	92	80
13	122013	84	90	84	90	84	90	84	90	82	70
14	122014	60	90	60	90	72	80	72	80	50	0
15	122015	62	90	62	90	80	90	80	90	87	60
16	122016	76	90	76	90	64	80	64	80	69	50
17	122017	78	80	78	80	72	90	72	90	76	50
18	122018	70	90	70	90	92	80	92	80	79	80
19	122019	80	70	80	70	92	80	92	80	87	80
20	122021	68	90	68	90	76	80	76	80	72	60
21	122022	82	70	82	70	92	70	92	70	90	80
22	122023	96	70	96	70	92	80	92	80	68	70
23	122024	98	80	98	80	92	70	92	70	89	90
24	122025	68	70	68	70	72	70	72	70	36	70
25	122026	90	70	90	70	80	70	80	70	89	80
26	122027	96	70	96	70	92	80	92	80	88	70
27	122028	76	80	76	80	52	70	52	70	8	70
28	122029	86	70	86	70	58	70	58	70	78	80
29	122030	80	70	80	70	92	70	92	70	72	80
30	122031	64	70	64	70	64	80	64	80	18	50
31	122032	80	80	80	80	88	70	88	70	44	50
32	122033	98	70	98	70	92	70	92	70	92	80
33	122034	90	70	90	70	96	80	96	80	74	70
34	122035	56	80	56	80	88	70	88	70	16	70
35	122036	96	70	96	70	92	70	92	70	94	80
36	122037	84	70	84	70	64	80	64	80	82	80
37	122038	82	80	82	80	76	70	76	70	70	50
38	122039	94	70	94	70	92	70	92	70	86	80
39	122040	88	70	88	70	96	80	96	80	50	70
40	122041	70	80	70	80	96	70	96	70	51	70
41	122042	72	70	72	70	84	70	84	70	A	50
42	122043	52	70	52	70	52	70	52	70	12	0
43	122044	50	70	50	70	52	80	52	80	81	60
44	122045	64	80	64	80	44	70	44	70	75	60
45	122046	84	70	84	70	88	70	88	70	54	80
46	122047	34	100	34	100	52	90	52	90	A	0
47	122048	66	80	66	80	90	60	90	60	89	70

48	122049	68	90	68	90	88	80	88	80	86	50
49	122050	66	100	66	100	88	100	88	100	82	80
50	122051	92	70	92	70	56	70	56	70	84	70
51	122052	56	90	56	90	76	80	76	80	68	50
52	122053	40	100	40	100	100	90	100	90	69	70
53	122054	86	90	86	90	88	80	88	80	A	70
54	122101	70	80	70	80	60	80	60	80	60	50
55	122102	68	90	68	90	56	90	56	90	52	60
56	122103	82	90	82	90	92	90	92	90	94	80
57	122104	86	90	86	90	88	80	88	80	84	60
58	122105	72	90	72	90	68	90	68	90	78	50
59	122106	80	90	80	90	80	80	80	80	52	60
60	122107	82	80	82	80	92	90	92	90	88	70
61	122108	84	90	84	90	88	80	88	80	84	60
62	122109	80	70	80	70	92	80	92	80	58	70
63	122110	54	70	54	70	56	70	56	70	62	50
64	122111	76	70	76	70	84	80	84	80	2	50
65	122112	76	80	76	80	84	70	84	70	72	50
66	122113	60	70	60	70	68	70	68	70	44	50
67	122114	32	70	32	70	84	70	84	70	32	60
68	122115	56	70	56	70	52	80	52	80	46	60
69	122116	66	80	66	80	60	70	60	70	71	50
70	122117	90	70	90	70	88	70	88	70	92	80
71	122118	86	70	86	70	56	70	56	70	8	0
72	122119	72	70	72	70	52	80	52	80	84	70
73	122120	84	80	84	80	80	70	80	70	78	80
74	122122	80	70	80	70	64	70	64	70	66	70
75	122301	90	100	90	100	88	90	88	90	88	70
76	122302	72	80	72	80	68	60	68	60	72	70
77	122303	76	90	76	90	92	80	92	80	74	70
78	122304	96	100	96	100	92	100	92	100	A	70
79	122305	88	70	88	70	76	70	76	70	A	50
80	122306	72	90	72	90	68	80	68	80	38	50
81	122307	100	100	100	100	100	90	100	90	96	70
82	122308	76	90	76	90	68	80	68	80	59	50
83	122309	50	80	50	80	64	80	64	80	69	50
84	122310	50	90	50	90	72	90	72	90	69	50
85	122311	16	90	16	90	28	90	28	90	22	0
86	122312	72	90	72	90	80	80	80	80	81	80
87	122313	90	90	90	90	100	90	100	90	86	90
88	122314	78	90	78	90	92	80	92	80	56	60
89	122315	66	80	66	80	80	90	80	90	76	70
90	122316	82	90	82	90	96	80	96	80	56	70

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	85.56	63.33	85.56	63.33	84.44	63.33	84.44	63.33	69.41	55.56
Level Obtained	3	1	3	1	3	1	3	1	1	0

Attainment Calculation:

Course Outcome Attainment – C114:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C114.1	3	1	2.4	0	0.96	-	0.96
C114.2	3	1	2.4	0	0.96	-	0.96
C114.3	3	1	2.4	0	0.96	-	0.96
C114.4	3	1	2.4	0	0.96	-	0.96
C114.5	1	0	1	0	0.4	-	0.4
C114							**0.85**

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:

$$C114 = \frac{C114.1 + C114.2 + C114.3 + C114.4 + C114.5}{5} = 0.85$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	M	M	M	M	
1	122001	85	85	85	85	85	80
2	122002	70	70	70	70	70	80
3	122003	88	88	88	88	88	100
4	122004	95	95	95	95	95	100
5	122005	95	95	95	95	95	100
6	122006	98	98	98	98	98	100
7	122007	90	90	90	90	90	100
8	122008	88	88	88	88	88	100
9	122009	92	92	92	92	92	100
10	122010	85	85	85	85	85	80
11	122011	95	95	95	95	95	100
12	122012	96	96	96	96	96	100
13	122013	90	90	90	90	90	80
14	122014	98	98	98	98	98	90
15	122015	65	65	65	65	65	80
16	122016	95	95	95	95	95	80
17	122017	75	75	75	75	75	70
18	122018	85	85	85	85	85	100
19	122019	85	85	85	85	85	90
20	122021	85	85	85	85	85	60
21	122022	88	88	88	88	88	100
22	122023	95	95	95	95	95	100
23	122024	97	97	97	97	97	100
24	122025	65	65	65	65	65	70
25	122026	85	85	85	85	85	100
26	122027	90	90	90	90	90	100
27	122028	80	80	80	80	80	60
28	122029	75	75	75	75	75	100
29	122030	85	85	85	85	85	90
30	122031	78	78	78	78	78	80
31	122032	92	92	92	92	92	80
32	122033	98	98	98	98	98	100
33	122034	88	88	88	88	88	100
34	122035	95	95	95	95	95	80
35	122036	95	95	95	95	95	90
36	122037	96	96	96	96	96	100
37	122038	88	88	88	88	88	80
38	122039	85	85	85	85	85	90
39	122040	85	85	85	85	85	100
40	122041	65	65	65	65	65	80
41	122042	80	80	80	80	80	90
42	122043	78	78	78	78	78	70
43	122044	85	85	85	85	85	80
44	122045	76	76	76	76	76	80
45	122046	88	88	88	88	88	90
46	122047	65	65	65	65	65	70
47	122048	76	76	76	76	76	80

48	122049	65	65	65	65	65	70
49	122050	85	85	85	85	85	80
50	122051	75	75	75	75	75	70
51	122052	60	60	60	60	60	80
52	122053	86	86	86	86	86	90
53	122054	88	88	88	88	88	90
54	122101	80	80	80	80	80	100
55	122102	75	75	75	75	75	90
56	122103	78	78	78	78	78	90
57	122104	90	90	90	90	90	100
58	122105	88	88	88	88	88	90
59	122106	75	75	75	75	75	70
60	122107	98	98	98	98	98	100
61	122108	85	85	85	85	85	100
62	122109	95	95	95	95	95	100
63	122110	75	75	75	75	75	100
64	122111	79	79	79	79	79	80
65	122112	75	75	75	75	75	80
66	122113	78	78	78	78	78	90
67	122114	78	78	78	78	78	80
68	122115	88	88	88	88	88	90
69	122116	65	65	65	65	65	80
70	122117	95	95	95	95	95	100
71	122118	78	78	78	78	78	60
72	122119	75	75	75	75	75	90
73	122120	89	89	89	89	89	90
74	122122	75	75	75	75	75	90
75	122301	85	85	85	85	85	90
76	122302	80	80	80	80	80	80
77	122303	95	95	95	95	95	90
78	122304	85	85	85	85	85	100
79	122305	88	88	88	88	88	90
80	122306	90	90	90	90	90	90
81	122307	95	95	95	95	95	90
82	122308	65	65	65	65	65	80
83	122309	80	80	80	80	80	50
84	122310	78	78	78	78	78	90
85	122311	50	50	50	50	50	60
86	122312	95	95	95	95	95	90
87	122313	85	85	85	85	85	90
88	122314	85	85	85	85	85	70
89	122315	85	85	85	85	85	90
90	122316	90	90	90	90	90	100

Benchmark	**C117.1**	**C117.2**	**C117.3**	**C117.4**	**C117.5**	**U**
	M	**M**	**M**	**M**	**M**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	67.78	67.78	67.78	67.78	67.78	61.11
Level Obtained	1	1	1	1	1	1

Attainment Calculation:

Course Outcome Attainment – C117:

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

Formula for Attainment Calculations:

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

Overall Attainment:

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

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122001	71	71	71	71	71	70
2	122002	98	98	98	98	98	80
3	122003	89	89	89	89	89	90
4	122004	89	89	89	89	89	100
5	122005	76	76	76	76	76	90
6	122006	86	86	86	86	86	100
7	122007	84	84	84	84	84	80
8	122008	79	79	79	79	79	100
9	122009	97	97	97	97	97	100
10	122010	93	93	93	93	93	80
11	122011	87	87	87	87	87	90
12	122012	79	79	79	79	79	90
13	122013	90	90	90	90	90	90
14	122014	86	86	86	86	86	90
15	122015	81	81	81	81	81	70
16	122016	87	87	87	87	87	80
17	122017	82	82	82	82	82	60
18	122018	91	91	91	91	91	90
19	122019	98	98	98	98	98	90
20	122021	84	84	84	84	84	80
21	122022	83	83	83	83	83	90
22	122023	92	92	92	92	92	100
23	122024	75	75	75	75	75	100
24	122025	83	83	83	83	83	80
25	122026	92	92	92	92	92	100
26	122027	93	93	93	93	93	90
27	122028	77	77	77	77	77	80
28	122029	96	96	96	96	96	80
29	122030	74	74	74	74	74	100
30	122031	89	89	89	89	89	80
31	122032	91	91	91	91	91	90
32	122033	87	87	87	87	87	90
33	122034	91	91	91	91	91	90
34	122035	92	92	92	92	92	80
35	122036	82	82	82	82	82	90
36	122037	91	91	91	91	91	80
37	122038	90	90	90	90	90	80
38	122039	85	85	85	85	85	100
39	122040	84	84	84	84	84	100
40	122041	71	71	71	71	71	80
41	122042	92	92	92	92	92	80
42	122043	93	93	93	93	93	90
43	122044	80	80	80	80	80	80
44	122045	65	65	65	65	65	80
45	122046	79	79	79	79	79	80
46	122047	80	80	80	80	80	70
47	122048	92	92	92	92	92	80

48	122049	91	91	91	91	91	70
49	122050	87	87	87	87	87	80
50	122051	75	75	75	75	75	90
51	122052	76	76	76	76	76	70
52	122053	95	95	95	95	95	90
53	122054	79	79	79	79	79	100
54	122101	86	86	86	86	86	90
55	122102	85	85	85	85	85	80
56	122103	85	85	85	85	85	90
57	122104	77	77	77	77	77	100
58	122105	87	87	87	87	87	80
59	122106	95	95	95	95	95	70
60	122107	82	82	82	82	82	90
61	122108	91	91	91	91	91	90
62	122109	92	92	92	92	92	90
63	122110	73	73	73	73	73	90
64	122111	97	97	97	97	97	90
65	122112	73	73	73	73	73	80
66	122113	93	93	93	93	93	80
67	122114	86	86	86	86	86	70
68	122115	81	81	81	81	81	80
69	122116	93	93	93	93	93	80
70	122117	78	78	78	78	78	100
71	122118	93	93	93	93	93	80
72	122119	80	80	80	80	80	80
73	122120	94	94	94	94	94	90
74	122122	69	69	69	69	69	70
75	122301	100	100	100	100	100	90
76	122302	96	96	96	96	96	100
77	122303	94	94	94	94	94	80
78	122304	94	94	94	94	94	90
79	122305	86	86	86	86	86	70
80	122306	74	74	74	74	74	70
81	122307	84	84	84	84	84	100
82	122308	83	83	83	83	83	80
83	122309	84	84	84	84	84	60
84	122310	81	81	81	81	81	80
85	122311	96	96	96	96	96	60
86	122312	95	95	95	95	95	80
87	122313	83	83	83	83	83	90
88	122314	80	80	80	80	80	80
89	122315	93	93	93	93	93	80
90	122316	93	93	93	93	93	90

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	78.89	78.89	78.89	78.89	78.89	48.89
Level Obtained	2	2	2	2	2	0

Attainment Calculation:

Course Outcome Attainment – C116:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C116.1	2	-	2	0	0.8	-	0.8
C116.2	2	-	2	0	0.8	-	0.8
C116.3	2	-	2	0	0.8	-	0.8
C116.4	2	-	2	0	0.8	-	0.8
C116.5	2	-	2	0	0.8	-	0.8
C116							**0.8**

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:

$$C116 = \frac{C116.1 + C116.2 + C116.3 + C116.4 + C116.5}{5} = 0.8$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	M	M	M	M	
1	122001	98	98	98	98	98	90
2	122002	86	86	86	86	86	90
3	122003	95	95	95	95	95	100
4	122004	90	90	90	90	90	100
5	122005	97	97	97	97	97	100
6	122006	94	94	94	94	94	100
7	122007	82	82	82	82	82	90
8	122008	96	96	96	96	96	100
9	122009	95	95	95	95	95	100
10	122010	85	85	85	85	85	100
11	122011	90	90	90	90	90	100
12	122012	95	95	95	95	95	100
13	122013	89	89	89	89	89	100
14	122014	84	84	84	84	84	90
15	122015	90	90	90	90	90	90
16	122016	94	94	94	94	94	100
17	122017	80	80	80	80	80	90
18	122018	82	82	82	82	82	90
19	122019	88	88	88	88	88	100
20	122021	86	86	86	86	86	90
21	122022	94	94	94	94	94	100
22	122023	90	90	90	90	90	100
23	122024	99	99	99	99	99	100
24	122025	88	88	88	88	88	90
25	122026	84	84	84	84	84	100
26	122027	98	98	98	98	98	100
27	122028	78	78	78	78	78	80
28	122029	95	95	95	95	95	90
29	122030	99	99	99	99	99	100
30	122031	79	79	79	79	79	90
31	122032	92	92	92	92	92	100
32	122033	92	92	92	92	92	100
33	122034	86	86	86	86	86	100
34	122035	80	80	80	80	80	90
35	122036	84	84	84	84	84	100
36	122037	97	97	97	97	97	100
37	122038	90	90	90	90	90	90
38	122039	99	99	99	99	99	100
39	122040	92	92	92	92	92	100
40	122041	99	99	99	99	99	100
41	122042	A	A	A	A	A	90
42	122043	86	86	86	86	86	90
43	122044	82	82	82	82	82	90
44	122045	85	85	85	85	85	90
45	122046	81	81	81	81	81	100
46	122047	84	84	84	84	84	90
47	122048	90	90	90	90	90	90

48	122049	90	90	90	90	90	100
49	122050	90	90	90	90	90	100
50	122051	80	80	80	80	80	100
51	122052	90	90	90	90	90	90
52	122053	88	88	88	88	88	90
53	122054	82	82	82	82	82	90
54	122101	80	80	80	80	80	90
55	122102	88	88	88	88	88	100
56	122103	82	82	82	82	82	100
57	122104	90	90	90	90	90	100
58	122105	75	75	75	75	75	100
59	122106	0	0	0	0	0	90
60	122107	96	96	96	96	96	100
61	122108	85	85	85	85	85	90
62	122109	88	88	88	88	88	100
63	122110	88	88	88	88	88	100
64	122111	88	88	88	88	88	90
65	122112	90	90	90	90	90	100
66	122113	80	80	80	80	80	80
67	122114	86	86	86	86	86	100
68	122115	88	88	88	88	88	90
69	122116	85	85	85	85	85	90
70	122117	95	95	95	95	95	100
71	122118	76	76	76	76	76	90
72	122119	85	85	85	85	85	90
73	122120	87	87	87	87	87	100
74	122122	95	95	95	95	95	90
75	122301	78	78	78	78	78	100
76	122302	88	88	88	88	88	90
77	122303	A	A	A	A	A	90
78	122304	A	A	A	A	A	100
79	122305	88	88	88	88	88	90
80	122306	96	96	96	96	96	90
81	122307	88	88	88	88	88	100
82	122308	99	99	99	99	99	90
83	122309	78	78	78	78	78	90
84	122310	75	75	75	75	75	80
85	122311	88	88	88	88	88	90
86	122312	80	80	80	80	80	100
87	122313	98	98	98	98	98	90
88	122314	84	84	84	84	84	100
89	122315	88	88	88	88	88	90
90	122316	98	98	98	98	98	100

Benchmark	**C118.1**	**C118.2**	**C118.3**	**C118.4**	**C118.5**	**AU**
	M	**M**	**M**	**M**	**M**	
% of Students secured ≥80 marks in Models, ≥A (90) grade in AU	90.8	90.8	90.8	90.8	90.8	96.67
Level Obtained	3	3	3	3	3	3

Attainment Calculation:

Course Outcome Attainment – C118:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C118.1	3	-	3	3	3	-	3
C118.2	3	-	3	3	3	-	3
C118.3	3	-	3	3	3	-	3
C118.4	3	-	3	3	3	-	3
C118.5	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	Model Exam
C118.2	AU Exam	Model Exam
C118.3	AU Exam	Model Exam
C118.4	AU Exam	Model Exam
C118.5	AU Exam	Model Exam

Overall Attainment:

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

KLNCE/B.E - EEE – 2012-2016 Batch –
Course: 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	
1	122001	33	100	33	100	65	100	65	100	81	50
2	122002	38	100	38	100	64	100	64	100	82	80
3	122003	96	100	96	100	96	100	96	100	100	100
4	122004	99	100	99	100	88	100	88	100	99	100
5	122005	79	100	79	100	94	100	94	100	99	100
6	122006	92	100	92	100	90	100	90	100	99	100
7	122007	86	100	86	100	84	100	84	100	75	100
8	122008	51	100	51	100	54	100	54	100	99	100
9	122009	94	100	94	100	98	100	98	100	99	100
10	122010	83	100	83	100	54	100	54	100	74	100
11	122011	78	100	78	100	96	100	96	100	86	100
12	122012	86	100	86	100	100	100	100	100	94	90
13	122013	96	100	96	100	96	100	96	100	99	90
14	122014	40	100	40	100	50	100	50	100	92	70
15	122015	64	100	64	100	81	100	81	100	86	90
16	122016	64	100	64	100	88	100	88	100	78	100
17	122017	43	100	43	100	87	100	87	100	99	100
18	122018	80	100	80	100	68	100	68	100	94	80
19	122019	57	100	57	100	88	100	88	100	99	100
20	122021	34	100	34	100	50	100	50	100	80	0
21	122022	98	100	98	100	92	100	92	100	99	100
22	122023	99	100	99	100	96	100	96	100	99	100
23	122024	85	100	85	100	100	100	100	100	99	100
24	122025	54	100	54	100	64	100	64	100	72	70
25	122026	99	100	99	100	100	100	100	100	98	100
26	122027	78	100	78	100	98	100	98	100	90	100
27	122028	36	100	36	100	56	100	56	100	70	70
28	122029	84	100	84	100	53	100	53	100	90	90
29	122030	74	100	74	100	99	100	99	100	78	90
30	122031	50	100	50	100	50	100	50	100	70	70
31	122032	52	100	52	100	92	100	92	100	84	80
32	122033	89	100	89	100	92	100	92	100	84	100
33	122034	34	100	34	100	100	100	100	100	100	90
34	122035	66	100	66	100	70	100	70	100	70	90
35	122036	94	100	94	100	80	100	80	100	99	100
36	122037	82	100	82	100	100	100	100	100	99	90
37	122038	50	100	50	100	50	100	50	100	72	50
38	122039	95	100	95	100	95	100	95	100	99	100
39	122040	91	100	91	100	99	100	99	100	99	80
40	122041	69	100	69	100	68	100	68	100	70	60
41	122042	54	100	54	100	64	100	64	100	70	70
42	122043	60	100	60	100	90	100	90	100	99	100
43	122044	84	100	84	100	62	100	62	100	80	0
44	122045	50	100	50	100	85	100	85	100	70	80
45	122046	62	100	62	100	58	100	58	100	88	80
46	122047	33	100	33	100	33	100	33	100	77	70

47	122048	30	100	30	100	76	100	76	100	80	0
48	122049	31	100	31	100	97	100	97	100	78	90
49	122050	54	100	54	100	80	100	80	100	70	90
50	122051	60	100	60	100	88	100	88	100	81	60
51	122052	57	100	57	100	70	100	70	100	77	50
52	122053	78	100	78	100	92	100	92	100	99	90
53	122054	41	100	41	100	91	100	91	100	93	100
54	122101	54	100	54	100	66	100	66	100	82	80
55	122102	50	100	50	100	92	100	92	100	75	100
56	122103	58	100	58	100	98	100	98	100	100	80
57	122104	52	100	52	100	80	100	80	100	93	80
58	122105	88	100	88	100	72	100	72	100	70	90
59	122106	50	100	50	100	75	100	75	100	70	80
60	122107	52	100	52	100	100	100	100	100	99	100
61	122108	32	100	32	100	50	100	50	100	70	80
62	122109	50	100	50	100	A	100	A	100	72	100
63	122110	50	100	50	100	86	100	86	100	88	90
64	122111	86	100	86	100	58	100	58	100	70	90
65	122112	40	100	40	100	72	100	72	100	87	90
66	122113	10	100	10	100	34	100	34	100	70	60
67	122114	50	100	50	100	74	100	74	100	70	90
68	122115	36	100	36	100	54	100	54	100	75	60
69	122116	42	100	42	100	50	100	50	100	80	90
70	122117	69	100	69	100	69	100	69	100	74	90
71	122118	72	100	72	100	74	100	74	100	70	90
72	122119	79	100	79	100	37	100	37	100	80	90
73	122120	92	100	92	100	72	100	72	100	98	100
74	122122	50	100	50	100	57	100	57	100	77	90
75	122301	96	100	96	100	92	100	92	100	95	100
76	122302	66	100	66	100	66	100	66	100	99	100
77	122303	76	100	76	100	93	100	93	100	92	100
78	122304	88	100	88	100	80	100	80	100	99	100
79	122305	42	100	42	100	24	100	24	100	70	50
80	122306	50	100	50	100	51	100	51	100	89	90
81	122307	86	100	86	100	78	100	78	100	88	80
82	122308	32	100	32	100	50	100	50	100	70	70
83	122309	57	100	57	100	0	100	0	100	50	60
84	122310	30	100	30	100	68	100	68	100	80	90
85	122311	0	100	0	100	34	100	34	100	55	60
86	122312	54	100	54	100	68	100	68	100	99	90
87	122313	50	100	50	100	68	100	68	100	70	80
88	122314	37	100	37	100	56	100	56	100	72	70
89	122315	50	100	50	100	24	100	24	100	70	70
90	122316	78	100	78	100	80	100	80	100	100	80
91	132901	50	100	50	100	50	100	50	100	70	50
92	132902	24	100	24	100	26	100	26	100	70	0
93	132903	24	100	24	100	24	100	24	100	75	50
94	132904	17	100	17	100	10	100	10	100	50	0
95	132905	16	100	16	100	50	100	50	100	70	0
96	132906	34	100	34	100	22	100	22	100	75	0
97	132907	28	100	28	100	61	100	61	100	70	0
98	132908	61	100	61	100	60	100	60	100	82	90

99	132909	74	100	74	100	86	100	86	100	92	80
100	132910	56	100	56	100	62	100	62	100	97	90
101	132911	50	100	50	100	81	100	81	100	72	100
102	132912	38	100	38	100	58	100	58	100	72	70
103	132913	40	100	40	100	62	100	62	100	75	50
104	132914	12	100	12	100	64	100	64	100	70	70
105	132915	29	100	29	100	50	100	50	100	83	60
106	132916	34	100	34	100	36	100	36	100	72	50
107	132917	32	100	32	100	50	100	50	100	75	0
108	132918	16	100	16	100	50	100	50	100	80	50
109	132919	57	100	57	100	50	100	50	100	70	50
110	132920	50	100	50	100	66	100	66	100	74	70
111	132921	50	100	50	100	0	100	0	100	50	0
112	132922	40	100	40	100	60	100	60	100	98	0
113	132923	24	100	24	100	26	100	26	100	70	0
114	132924	50	100	50	100	50	100	50	100	70	80
115	132925	26	100	26	100	36	100	36	100	70	50
116	132926	50	100	50	100	64	100	64	100	99	70
117	132927	30	100	30	100	36	100	36	100	70	0
118	132928	33	100	33	100	17	100	17	100	70	70
119	132929	34	100	34	100	69	100	69	100	92	90
120	132930	17	100	17	100	30	100	30	100	72	50
121	132931	50	100	50	100	38	100	38	100	90	80
122	132932	16	100	16	100	7	100	7	100	81	50
123	132933	50	100	50	100	84	100	84	100	70	80
124	132934	52	100	52	100	37	100	37	100	70	50
125	132935	51	100	51	100	8	100	8	100	83	0
126	132936	50	100	50	100	80	100	80	100	80	100
127	132937	63	100	63	100	67	100	67	100	70	70
128	132938	34	100	34	100	50	100	50	100	70	0
129	132939	34	100	34	100	94	100	94	100	70	50
130	132940	50	100	50	100	76	100	76	100	70	50
131	132941	50	100	50	100	74	100	74	100	72	0
91	122001	33	100	33	100	65	100	65	100	81	50
92	122002	38	100	38	100	64	100	64	100	82	80
93	122003	96	100	96	100	96	100	96	100	100	100
94	122004	99	100	99	100	88	100	88	100	99	100
95	122005	79	100	79	100	94	100	94	100	99	100
96	122006	92	100	92	100	90	100	90	100	99	100
97	122007	86	100	86	100	84	100	84	100	75	100
98	122008	51	100	51	100	54	100	54	100	99	100
99	122009	94	100	94	100	98	100	98	100	99	100
100	122010	83	100	83	100	54	100	54	100	74	100
101	122011	78	100	78	100	96	100	96	100	86	100
102	122012	86	100	86	100	100	100	100	100	94	90
103	122013	96	100	96	100	96	100	96	100	99	90
104	122014	40	100	40	100	50	100	50	100	92	70
105	122015	64	100	64	100	81	100	81	100	86	90
106	122016	64	100	64	100	88	100	88	100	78	100
107	122017	43	100	43	100	87	100	87	100	99	100
108	122018	80	100	80	100	68	100	68	100	94	80
109	122019	57	100	57	100	88	100	88	100	99	100

110	122021	34	100	34	100	50	100	50	100	80	0
111	122022	98	100	98	100	92	100	92	100	99	100
112	122023	99	100	99	100	96	100	96	100	99	100
113	122024	85	100	85	100	100	100	100	100	99	100
114	122025	54	100	54	100	64	100	64	100	72	70
115	122026	99	100	99	100	100	100	100	100	98	100
116	122027	78	100	78	100	98	100	98	100	90	100
117	122028	36	100	36	100	56	100	56	100	70	70
118	122029	84	100	84	100	53	100	53	100	90	90
119	122030	74	100	74	100	99	100	99	100	78	90
120	122031	50	100	50	100	50	100	50	100	70	70
121	122032	52	100	52	100	92	100	92	100	84	80
122	122033	89	100	89	100	92	100	92	100	84	100
123	122034	34	100	34	100	100	100	100	100	100	90
124	122035	66	100	66	100	70	100	70	100	70	90
125	122036	94	100	94	100	80	100	80	100	99	100
126	122037	82	100	82	100	100	100	100	100	99	90
127	122038	50	100	50	100	50	100	50	100	72	50
128	122039	95	100	95	100	95	100	95	100	99	100
129	122040	91	100	91	100	99	100	99	100	99	80
130	122041	69	100	69	100	68	100	68	100	70	60
131	122042	54	100	54	100	64	100	64	100	70	70

Benchmark	**C201.1**		**C201.2**		**C201.3**		**C201.4**		**C201.5**	**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	35.38	100	35.38	100	63.08	100	63.08	100	96.95	70.23
Level Obtained	0	3	0	3	1	3	1	3	3	2

Survey:

Survey	**C201.1**	**C201.2**	**C201.3**	**C201.4**	**C201.5**
Obtained Percentage	95.10	93.99	94.85	95.44	93.60
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	0	3	0.9	2	1.56	3	1.85
C201.2	0	3	0.9	2	1.56	3	1.85
C201.3	1	3	1.6	2	1.84	3	2.07
C201.4	1	3	1.6	2	1.84	3	2.07
C201.5	3	-	3	2	2.4	3	2.52
C201							**2.07**

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	[1*Internal Test]

Overall Attainment:

$$C201 = \frac{C201.1 + C201.2 + C201.3 + C201.4 + C201.5}{5} = 2.07$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: C214
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	Roll. No	C214.1		C214.2		C214.3	C214.4	C214.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	122001	52	80	52	80	60	60	42	50
2	122002	58	80	58	90	90	90	90	80
3	122003	94	90	94	90	94	94	92	80
4	122004	84	90	84	90	98	98	96	80
5	122005	92	90	92	90	96	96	98	80
6	122006	80	90	80	90	88	88	92	90
7	122007	58	60	58	80	72	72	80	90
8	122008	94	90	94	90	94	94	92	70
9	122009	92	90	92	90	96	96	98	90
10	122010	50	90	50	90	74	74	80	70
11	122011	88	70	88	90	96	96	88	90
12	122012	92	90	92	90	94	94	98	90
13	122013	92	90	92	90	94	94	92	90
14	122014	78	90	78	60	76	76	80	50
15	122015	88	70	88	90	88	88	82	70
16	122016	92	50	92	80	98	98	86	80
17	122017	50	90	50	80	76	76	84	70
18	122018	68	90	68	90	92	92	90	80
19	122019	74	90	74	90	90	90	90	100
20	122021	50	90	50	60	86	86	80	50
21	122022	90	90	90	90	94	94	86	80
22	122023	96	90	96	90	92	92	98	80
23	122024	90	90	90	90	98	98	98	80
24	122025	62	70	62	80	70	70	56	50
25	122026	88	90	88	90	100	100	98	90
26	122027	80	80	80	90	92	92	92	90
27	122028	54	90	54	60	90	90	76	70
28	122029	58	60	58	80	80	80	80	70
29	122030	50	90	50	90	96	96	78	60
30	122031	60	90	60	60	72	72	80	70
31	122032	74	90	74	70	86	86	88	90
32	122033	84	80	84	90	96	96	92	90
33	122034	92	80	92	90	92	92	90	80
34	122035	74	90	74	90	90	90	70	70
35	122036	98	90	98	90	98	98	98	90
36	122037	66	90	66	90	96	96	98	90
37	122038	58	90	58	60	82	82	76	50
38	122039	98	90	98	90	98	98	98	90
39	122040	94	90	94	90	94	94	98	80
40	122041	86	60	86	70	64	64	56	70
41	122042	78	90	78	90	92	92	70	70
42	122043	44	80	44	90	86	86	80	70
43	122044	60	90	60	90	78	78	80	70
44	122045	36	90	36	80	66	66	78	60
45	122046	74	80	74	90	92	92	80	50

46	122047	34	50	34	80	54	54	60	50
47	122048	70	80	70	90	76	76	94	70
48	122049	52	90	52	90	94	94	84	60
49	122050	70	90	70	90	72	72	86	70
50	122051	50	80	50	80	76	76	66	50
51	122052	28	90	28	80	72	72	78	50
52	122053	70	90	70	90	94	94	80	60
53	122054	56	60	56	80	86	86	82	70
54	122101	80	50	80	80	A	A	80	70
55	122102	60	90	60	90	88	88	98	80
56	122103	82	80	82	90	90	90	82	70
57	122104	50	90	50	90	86	86	92	70
58	122105	70	50	70	80	92	92	80	70
59	122106	60	80	60	80	82	82	70	50
60	122107	88	90	88	90	96	96	96	90
61	122108	62	80	62	90	68	68	80	70
62	122109	60	90	60	90	66	66	74	80
63	122110	66	90	66	90	88	88	60	70
64	122111	62	90	62	70	92	92	70	90
65	122112	54	40	54	80	78	78	60	50
66	122113	42	90	42	60	50	50	80	50
67	122114	50	90	50	90	84	84	82	70
68	122115	32	90	32	60	86	86	70	70
69	122116	50	70	50	80	66	66	52	80
70	122117	50	90	50	90	96	96	62	80
71	122118	52	50	52	70	74	74	80	60
72	122119	68	90	68	80	66	66	80	60
73	122120	90	90	90	90	92	92	90	80
74	122122	58	70	58	80	86	86	66	80
75	122301	78	90	78	90	88	88	88	60
76	122302	74	90	74	60	96	96	80	80
77	122303	84	80	84	90	92	92	90	80
78	122304	84	90	84	90	96	96	80	0
79	122305	50	80	50	90	80	80	80	0
80	122306	40	80	40	80	72	72	68	70
81	122307	56	90	56	60	92	92	92	70
82	122308	34	80	34	90	70	70	76	50
83	122309	50	50	50	70	26	26	A	50
84	122310	76	90	76	60	80	80	80	80
85	122311	40	90	40	70	0	0	60	0
86	122312	74	90	74	60	96	96	86	80
87	122313	50	90	50	90	90	90	82	70
88	122314	50	80	50	80	84	84	58	70
89	122315	58	90	58	60	88	88	82	70
90	122316	84	90	84	90	96	96	90	90
91	132901	70	80	70	90	78	78	76	50
92	132902	30	90	30	70	A	A	70	50
93	132903	36	80	36	90	70	70	66	0
94	132904	8	50	8	80	50	50	44	50
95	132905	26	90	26	70	60	60	60	50

96	132906	50	60	50	80	50	50	88	0
97	132907	37	80	37	90	80	80	60	0
98	132908	74	90	74	90	90	90	86	80
99	132909	90	80	90	90	94	94	80	70
100	132910	96	90	96	90	100	100	98	80
101	132911	66	90	66	90	86	86	90	70
102	132912	36	80	36	90	76	76	60	50
103	132913	22	70	22	90	92	92	80	50
104	132914	50	80	50	90	82	82	74	80
105	132915	36	60	36	90	64	64	70	90
106	132916	56	60	56	80	96	96	80	80
107	132917	50	80	50	90	90	90	98	50
108	132918	26	80	26	90	90	90	80	70
109	132919	50	90	50	90	72	72	70	60
110	132920	80	90	80	70	94	94	88	80
111	132921	A	90	A	90	64	64	84	0
112	132922	24	60	24	80	84	84	84	70
113	132923	42	90	42	70	78	78	70	70
114	132924	58	50	58	80	72	72	80	70
115	132925	22	50	22	80	60	60	82	60
116	132926	58	80	58	90	94	94	80	70
117	132927	54	70	54	90	72	72	78	60
118	132928	24	40	24	80	50	50	56	70
119	132929	50	0	50	90	90	90	86	70
120	132930	28	60	28	90	78	78	70	70
121	132931	50	80	50	90	74	74	76	70
122	132932	A	70	A	80	A	A	78	50
123	132933	50	90	50	90	82	82	96	70
124	132934	36	90	36	90	50	50	68	50
125	132935	56	60	56	90	62	62	82	50
126	132936	64	90	64	90	92	92	96	70
127	132937	52	60	52	90	82	82	96	70
128	132938	50	90	50	80	90	90	80	50
129	132939	38	90	38	80	88	88	82	50
130	132940	44	90	44	80	94	94	84	50
131	132941	56	90	56	90	84	84	66	70
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		48.06	76.34	48.06	83.21	93.75	93.75	94.62	66.41
Level obtained		0	2	0	3	3	3	3	1

Survey:

Survey	C214.1	C214.2	C214.3	C214.4	C214.5
Obtained Percentage	97.16	96.26	95.94	95.43	93.82
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	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C214.1	0	2	0.6	1	0.84	3	1.272
C214.2	0	3	0.9	1	0.96	3	1.368
C214.3	3	-	3	1	1.8	3	2.04
C214.4	3	-	3	1	1.8	3	2.04
C214.5	3	-	3	1	1.8	3	2.04
C214							**1.75**

C214.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C214.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C214.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C214.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C214.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C214 = \frac{C214.1 + C214.2 + C214.3 + C214.4 + C214.5}{5} = 1.75$$

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	122001	54	**70**	54	**70**	56	56	84	50
2	122002	60	**90**	60	**90**	80	80	98	0
3	122003	84	**90**	84	**90**	86	86	96	90
4	122004	76	**90**	76	**90**	94	94	98	70
5	122005	100	**90**	100	**90**	98	98	98	80
6	122006	80	**90**	80	**90**	90	90	98	100
7	122007	90	**90**	90	**90**	78	78	98	70
8	122008	100	**90**	100	**90**	98	98	98	90
9	122009	96	**90**	96	**90**	96	96	98	90
10	122010	66	**90**	66	**80**	50	50	84	50
11	122011	92	**90**	92	**90**	92	92	96	60
12	122012	100	**90**	100	**80**	94	94	96	80
13	122013	66	**90**	66	**90**	100	100	98	70
14	122014	66	**90**	66	**90**	60	60	96	0
15	122015	62	**90**	62	**90**	68	68	96	50
16	122016	62	**90**	62	**90**	90	90	98	70
17	122017	78	**70**	78	**70**	86	86	92	50
18	122018	50	**90**	50	**90**	94	94	80	70
19	122019	90	**90**	90	**90**	80	80	98	70
20	122021	24	**90**	24	**90**	86	86	50	0
21	122022	88	**90**	88	**90**	94	94	98	90
22	122023	96	**90**	96	**90**	98	98	98	90
23	122024	80	**90**	80	**90**	100	100	92	100
24	122025	16	**70**	16	**70**	66	66	84	60
25	122026	100	**90**	100	**90**	98	98	98	90
26	122027	96	**90**	96	**90**	86	86	92	60
27	122028	72	**80**	72	**90**	80	80	80	70
28	122029	90	**70**	90	**70**	62	62	96	70
29	122030	50	**80**	50	**80**	94	94	96	80
30	122031	10	**90**	10	**90**	60	60	50	50
31	122032	70	**90**	70	**90**	94	94	92	70
32	122033	88	**90**	88	**90**	96	96	96	80
33	122034	94	**90**	94	**90**	86	86	92	70
34	122035	78	**70**	78	**70**	98	98	50	90
35	122036	96	**90**	96	**90**	100	100	98	80
36	122037	84	**90**	84	**90**	100	100	98	80
37	122038	0	**80**	0	**70**	50	50	70	50
38	122039	100	**90**	100	**90**	100	100	96	80
39	122040	50	**90**	50	**90**	100	100	92	80
40	122041	90	**70**	90	**70**	58	58	0	50
41	122042	60	**90**	60	**90**	88	88	96	50
42	122043	66	**80**	66	**80**	100	100	96	70
43	122044	52	**90**	52	**90**	76	76	92	50
44	122045	74	**80**	74	**80**	90	90	88	70
45	122046	32	**90**	32	**90**	94	94	84	70

46	122047	20	**70**	20	**70**	10	10	96	60
47	122048	54	**70**	54	**70**	50	50	88	0
48	122049	80	**80**	80	**80**	100	100	84	50
49	122050	34	**90**	34	**90**	84	84	92	0
50	122051	54	**90**	54	**90**	84	84	96	70
51	122052	38	**90**	38	**90**	94	94	80	0
52	122053	76	**90**	76	**90**	100	100	84	70
53	122054	52	**70**	52	**80**	88	88	92	70
54	122101	42	**90**	42	**90**	A	A	80	50
55	122102	88	**90**	88	**90**	80	80	80	80
56	122103	96	**90**	96	**90**	98	98	96	70
57	122104	58	**90**	58	**90**	80	80	88	50
58	122105	62	**90**	62	**90**	90	90	88	70
59	122106	58	**90**	58	**90**	68	68	92	50
60	122107	62	**90**	62	**90**	86	86	96	80
61	122108	40	**80**	40	**70**	72	72	70	60
62	122109	50	**90**	50	**90**	86	86	92	90
63	122110	60	**90**	60	**90**	94	94	80	50
64	122111	78	**70**	78	**70**	86	86	80	70
65	122112	58	**90**	58	**90**	92	92	92	0
66	122113	10	**80**	10	**70**	50	50	24	50
67	122114	20	**90**	20	**90**	80	80	80	50
68	122115	52	**70**	52	**70**	56	56	50	50
69	122116	66	**70**	66	**70**	90	90	92	70
70	122117	70	**60**	70	**80**	68	68	96	90
71	122118	32	**70**	32	**80**	50	50	50	70
72	122119	94	**90**	94	**90**	72	72	50	50
73	122120	66	**90**	66	**90**	100	100	96	70
74	122122	54	**80**	54	**70**	80	80	60	50
75	122301	96	**90**	96	**90**	82	82	84	90
76	122302	50	**90**	50	**90**	86	86	96	60
77	122303	64	**90**	64	**90**	98	98	92	50
78	122304	68	**90**	68	**90**	90	90	96	0
79	122305	22	**80**	22	**70**	52	52	60	0
80	122306	56	**90**	56	**90**	58	58	80	0
81	122307	68	**90**	68	**90**	92	92	92	60
82	122308	0	**90**	0	**90**	56	56	80	60
83	122309	18	**70**	18	**70**	12	12	A	0
84	122310	50	**70**	50	**70**	60	60	50	60
85	122311	2	**80**	2	**90**	58	58	80	50
86	122312	70	**90**	70	**90**	84	84	84	80
87	122313	36	**90**	36	**90**	100	100	84	80
88	122314	0	**70**	0	**70**	92	92	88	0
89	122315	2	**90**	2	**90**	92	92	50	50
90	122316	94	**90**	94	**90**	96	96	92	80
91	132901	0	**70**	0	**70**	8	8	16	50
92	132902	6	**70**	6	**80**	36	36	28	0
93	132903	0	**70**	0	**80**	14	14	20	50
94	132904	0	**60**	0	**60**	10	10	20	0
95	132905	0	**70**	0	**80**	16	16	30	0

96	132906	12	**70**	12	**70**	60	60	70	50
97	132907	0	**90**	0	**90**	50	50	84	60
98	132908	18	**90**	18	**90**	90	90	84	60
99	132909	54	**70**	54	**70**	88	88	90	70
100	132910	38	**90**	38	**90**	100	100	88	60
101	132911	10	**90**	10	**90**	100	100	96	90
102	132912	4	**70**	4	**70**	62	62	76	50
103	132913	4	**90**	4	**90**	54	54	80	0
104	132914	0	**90**	0	**90**	64	64	84	50
105	132915	4	**90**	4	**90**	80	80	88	50
106	132916	18	**90**	18	**90**	64	64	72	0
107	132917	16	**70**	16	**80**	74	74	76	0
108	132918	6	**70**	6	**70**	50	50	80	0
109	132919	0	**80**	0	**80**	50	50	84	0
110	132920	12	**70**	12	**70**	76	76	84	70
111	132921	A	**90**	A	**90**	52	52	20	0
112	132922	18	**80**	18	**80**	72	72	70	50
113	132923	12	**70**	12	**70**	22	22	50	0
114	132924	0	**70**	0	**70**	18	18	80	50
115	132925	0	**80**	0	**80**	34	34	20	0
116	132926	22	**70**	22	**80**	70	70	98	50
117	132927	0	**80**	0	**80**	50	50	50	50
118	132928	16	**90**	16	**90**	16	16	50	50
119	132929	0	**90**	0	**90**	78	78	52	50
120	132930	0	**80**	0	**80**	28	28	60	70
121	132931	36	**80**	36	**70**	20	20	64	70
122	132932	A	**90**	A	**90**	28	28	50	50
123	132933	0	**90**	0	**90**	64	64	50	70
124	132934	0	**60**	0	**60**	22	22	50	0
125	132935	28	**60**	28	**60**	22	22	70	0
126	132936	16	**70**	16	**70**	98	98	88	70
127	132937	10	**60**	10	**60**	78	78	80	50
128	132938	0	**70**	0	**70**	78	78	50	0
129	132939	0	**70**	0	**70**	88	88	30	50
130	132940	2	**70**	2	**70**	74	74	30	50
131	132941	0	**90**	0	**90**	6	6	70	0
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		41.09	70.99	41.09	72.52	73.08	73.08	79.23	41.22
Level obtained		0	2	0	2	2	2	2	0

Survey:

Survey	**C203.1**	**C203.2**	**C203.3**	**C203.4**	**C203.5**
Obtained Percentage	97.57	96.40	97.04	97.41	95.87
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 – C203:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C203.1	0	2	**0.6**	0	**0.24**	**3**	**0.792**
C203.2	0	2	**0.6**	0	**0.24**	**3**	**0.792**
C203.3	2	-	**2**	0	**0.8**	**3**	**1.24**
C203.4	2	-	**2**	0	**0.8**	**3**	**1.24**
C203.5	2	-	**2**	0	**0.8**	**3**	**1.24**
C203							**1.06**

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

$$C203 = \frac{C203.1 + C203.2 + C203.3 + C203.4 + C203.5}{5} = 1.06$$

KLNCE/B.E - EEE – 2012-2016 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	A3	
1	122001	40	**90**	40	**80**	78	78	42	**100**	0
2	122002	60	**80**	60	**80**	50	50	74	**100**	0
3	122003	76	**80**	76	**90**	76	76	90	**90**	80
4	122004	82	**70**	82	**70**	98	98	92	**80**	80
5	122005	78	**80**	78	**70**	86	86	94	**70**	70
6	122006	98	**70**	98	**100**	98	98	98	**80**	70
7	122007	80	**80**	80	**70**	82	82	82	**70**	50
8	122008	96	**80**	96	**70**	88	88	96	**70**	70
9	122009	98	**80**	98	**70**	98	98	94	**80**	70
10	122010	88	**70**	88	**80**	70	70	96	**70**	70
11	122011	70	**80**	70	**100**	80	80	86	**100**	70
12	122012	98	**70**	98	**90**	84	84	94	**80**	70
13	122013	96	**70**	96	**100**	94	94	94	**80**	70
14	122014	68	**100**	68	**100**	90	90	90	**100**	70
15	122015	82	**100**	82	**90**	58	58	88	**100**	60
16	122016	84	**100**	84	**90**	72	72	84	**80**	70
17	122017	50	**100**	50	**90**	64	64	70	**100**	50
18	122018	78	**70**	78	**100**	64	64	82	**80**	60
19	122019	90	**100**	90	**100**	88	88	92	**100**	90
20	122021	54	**70**	54	**100**	60	60	42	**100**	50
21	122022	96	**80**	96	**80**	76	76	94	**70**	70
22	122023	88	**70**	88	**100**	76	76	86	**80**	80
23	122024	98	**80**	98	**70**	82	82	94	**70**	90
24	122025	56	**90**	56	**90**	38	38	18	**90**	50
25	122026	98	**90**	98	**80**	96	96	86	**80**	90
26	122027	84	**70**	84	**80**	82	82	98	**80**	70
27	122028	20	**80**	20	**70**	32	32	78	**70**	0
28	122029	86	**90**	86	**80**	44	44	50	**80**	70
29	122030	70	**80**	70	**70**	70	70	70	**70**	70
30	122031	60	**100**	60	**70**	58	58	66	**100**	0
31	122032	84	**90**	84	**90**	98	98	90	**80**	60
32	122033	98	**80**	98	**80**	94	94	92	**70**	70
33	122034	98	**80**	98	**100**	76	76	98	**80**	80
34	122035	80	**90**	80	**70**	80	80	90	**70**	80
35	122036	98	**100**	98	**100**	98	98	98	**100**	80
36	122037	78	**70**	78	**70**	84	84	82	**70**	60
37	122038	80	**80**	80	**70**	68	68	78	**80**	50
38	122039	94	**70**	94	**70**	98	98	92	**70**	70
39	122040	90	**90**	90	**100**	80	80	76	**100**	70
40	122041	82	**70**	82	**70**	88	88	72	**70**	60
41	122042	60	**70**	60	**100**	78	78	80	**90**	70

42	122043	18	**80**	18	**70**	72	72	60	**80**	60
43	122044	56	**90**	56	**100**	76	76	66	**90**	50
44	122045	78	**80**	78	**90**	72	72	86	**80**	60
45	122046	92	**100**	92	**100**	80	80	82	**100**	70
46	122047	38	**100**	38	**80**	20	20	34	**80**	0
47	122048	50	**100**	50	**90**	66	66	72	**90**	0
48	122049	68	**80**	68	**70**	64	64	60	**70**	60
49	122050	70	**100**	70	**70**	58	58	76	**90**	50
50	122051	60	**100**	60	**70**	60	60	50	**100**	50
51	122052	60	**70**	60	**70**	54	54	72	**70**	0
52	122053	68	**80**	68	**80**	54	54	60	**70**	50
53	122054	64	**90**	64	**100**	54	54	78	**100**	0
54	122101	74	**90**	74	**90**	A	A	90	**80**	60
55	122102	68	**80**	68	**70**	70	70	50	**70**	70
56	122103	72	**100**	72	**100**	98	98	98	**100**	80
57	122104	82	**80**	82	**70**	80	80	80	**80**	60
58	122105	60	**70**	60	**70**	54	54	62	**70**	50
59	122106	62	**90**	62	**70**	52	52	74	**80**	70
60	122107	80	**100**	80	**80**	78	78	92	**100**	70
61	122108	84	**70**	84	**80**	78	78	98	**80**	70
62	122109	90	**100**	90	**100**	90	90	66	**100**	90
63	122110	62	**100**	62	**100**	70	70	68	**100**	60
64	122111	52	**100**	52	**100**	40	40	76	**100**	50
65	122112	52	**80**	52	**80**	44	44	78	**80**	0
66	122113	22	**90**	22	**100**	54	54	56	**100**	0
67	122114	60	**80**	60	**70**	84	84	60	**80**	60
68	122115	28	**100**	28	**80**	28	28	50	**70**	0
69	122116	50	**100**	50	**90**	50	50	30	**100**	0
70	122117	76	**70**	76	**70**	76	76	82	**70**	80
71	122118	52	**100**	52	**90**	38	38	52	**100**	50
72	122119	52	**100**	52	**70**	38	38	56	**80**	50
73	122120	74	**100**	74	**100**	88	88	92	**100**	70
74	122122	56	**70**	56	**70**	42	42	70	**80**	60
75	122301	98	**80**	98	**70**	96	96	98	**80**	80
76	122302	60	**80**	60	**70**	98	98	90	**70**	70
77	122303	A	**80**	A	**80**	60	60	94	**70**	80
78	122304	80	**70**	80	**100**	98	98	98	**80**	50
79	122305	58	**90**	58	**100**	90	90	64	**80**	0
80	122306	76	**100**	76	**100**	56	56	62	**100**	50
81	122307	72	**90**	72	**90**	80	80	86	**80**	60
82	122308	60	**80**	60	**70**	54	54	78	**80**	50
83	122309	56	**70**	56	**70**	40	40	A	**70**	50
84	122310	62	**70**	62	**70**	82	82	74	**70**	50
85	122311	26	**100**	26	**100**	18	18	74	**100**	0
86	122312	82	**70**	82	**80**	96	96	94	**80**	70
87	122313	90	**100**	90	**100**	94	94	92	**100**	70
88	122314	72	**80**	72	**70**	50	50	50	**70**	50

89	122315	50	**80**	50	**70**	40	40	86	**80**	50
90	122316	74	**80**	74	**80**	96	96	96	**90**	70
91	132901	68	**80**	68	**70**	52	52	72	**70**	50
92	132902	50	**70**	50	**70**	34	34	40	**70**	0
93	132903	50	**80**	50	**70**	36	36	54	**80**	0
94	132904	40	**90**	40	**100**	32	32	28	**80**	0
95	132905	24	**80**	24	**70**	52	52	44	**100**	0
96	132906	52	**70**	52	**80**	36	36	20	**70**	0
97	132907	56	**80**	56	**70**	50	50	64	**70**	50
98	132908	66	**90**	66	**70**	74	74	74	**70**	50
99	132909	98	**90**	98	**80**	98	98	92	**80**	80
100	132910	90	**80**	90	**100**	80	80	98	**100**	80
101	132911	70	**100**	70	**90**	82	82	84	**100**	70
102	132912	52	**70**	52	**80**	52	52	76	**80**	50
103	132913	52	**80**	52	**100**	58	58	70	**100**	50
104	132914	56	**80**	56	**70**	72	72	66	**70**	50
105	132915	70	**70**	70	**80**	68	68	88	**80**	70
106	132916	30	**90**	30	**80**	84	84	98	**80**	50
107	132917	50	**90**	50	**100**	54	54	56	**100**	0
108	132918	60	**80**	60	**70**	76	76	80	**70**	0
109	132919	56	**100**	56	**80**	54	54	82	**80**	0
110	132920	60	**70**	60	**70**	64	64	84	**80**	50
111	132921	68	**90**	68	**80**	76	76	76	**80**	0
112	132922	52	**80**	52	**70**	62	62	72	**70**	50
113	132923	38	**90**	38	**100**	24	24	40	**100**	0
114	132924	66	**100**	66	**100**	56	56	66	**100**	50
115	132925	52	**100**	52	**90**	24	24	22	**80**	0
116	132926	90	**90**	90	**90**	88	88	98	**100**	60
117	132927	50	**100**	50	**100**	58	58	68	**100**	0
118	132928	24	**100**	24	**100**	44	44	82	**100**	0
119	132929	50	**90**	50	**90**	52	52	78	**90**	50
120	132930	56	**100**	56	**80**	64	64	70	**70**	0
121	132931	60	**80**	60	**80**	64	64	88	**80**	60
122	132932	A	**90**	A	**100**	60	60	64	**100**	0
123	132933	56	**100**	56	**100**	64	64	86	**90**	70
124	132934	36	**80**	36	**80**	50	50	60	**70**	0
125	132935	54	**80**	54	**80**	40	40	84	**80**	0
126	132936	96	**90**	96	**100**	96	96	74	**100**	70
127	132937	50	**80**	50	**70**	56	56	74	**70**	50
128	132938	50	**80**	50	**90**	78	78	56	**70**	0
129	132939	50	**100**	50	**100**	72	72	76	**80**	50
130	132940	50	**80**	50	**70**	56	56	80	**80**	0
131	132941	22	**80**	22	**70**	56	56	60	**70**	0
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		62.79	79.39	62.79	64.12	62.31	62.31	79.39	70.99	0
Level obtained		1	2	1	1	1	1	2	2	0

Survey:

Survey	C204.1	C204.2	C204.3	C204.4	C204.5
Obtained Percentage	94.47	95.41	94.73	94.12	95.15
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 – C204:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C204.1	1	2	**1.3**	0	**0.52**	**3**	**1.016**
C204.2	1	1	**1**	0	**0.4**	**3**	**0.92**
C204.3	1	-	**1**	0	**0.4**	**3**	**0.92**
C204.4	1	-	**1**	0	**0.4**	**3**	**0.92**
C204.5	2	2	**2.7**	0	**1.08**	**3**	**1.464**
C204							**1.05**

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*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

$$C204 = \frac{C204.1 + C204.2 + C204.3 + C204.4 + C204.5}{5} = 1.05$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	CIT-2	CIT-3	
1	122001	76	100	76	100	62	62	54	50
2	122002	78	100	78	100	96	96	90	70
3	122003	90	100	90	100	96	96	86	80
4	122004	82	100	82	100	80	80	88	90
5	122005	92	100	92	100	86	86	88	90
6	122006	98	100	98	100	90	90	82	70
7	122007	76	100	76	100	84	84	76	90
8	122008	96	100	96	100	96	96	90	80
9	122009	98	100	98	100	96	96	98	80
10	122010	72	100	72	100	60	60	50	70
11	122011	94	100	94	100	96	96	96	90
12	122012	84	100	84	100	90	90	84	80
13	122013	88	100	88	100	96	96	94	80
14	122014	68	100	68	100	62	62	80	50
15	122015	78	100	78	100	68	68	82	90
16	122016	86	100	86	100	96	96	80	50
17	122017	50	100	50	100	78	78	58	70
18	122018	84	100	84	100	80	80	96	50
19	122019	70	100	70	100	86	86	88	70
20	122021	64	100	64	100	50	50	62	0
21	122022	78	100	78	100	99	99	82	70
22	122023	84	100	84	100	92	92	92	100
23	122024	92	100	92	100	90	90	84	90
24	122025	70	100	70	100	0	0	66	80
25	122026	82	100	82	100	92	92	88	90
26	122027	84	100	84	100	92	92	92	70
27	122028	40	100	40	100	90	90	56	70
28	122029	88	100	88	100	44	44	66	50
29	122030	78	100	78	100	86	86	72	80
30	122031	50	50	50	50	50	50	38	50
31	122032	86	50	86	50	96	96	96	50
32	122033	84	100	84	100	88	88	96	70
33	122034	92	100	92	100	98	98	98	70
34	122035	78	0	78	0	84	84	68	60
35	122036	90	100	90	100	86	86	88	80
36	122037	78	100	78	100	92	92	88	70
37	122038	56	100	56	100	76	76	60	50
38	122039	84	100	84	100	90	90	88	70
39	122040	76	100	76	100	86	86	88	90
40	122041	76	100	76	100	68	68	52	90
41	122042	66	100	66	100	68	68	84	60
42	122043	64	100	64	100	90	90	96	50
43	122044	56	100	56	100	72	72	72	50
44	122045	64	100	64	100	74	74	84	50
45	122046	58	100	58	100	94	94	68	80

46	122047	44	100	44	100	40	40	70	50
47	122048	74	100	74	100	62	62	88	50
48	122049	68	100	68	100	74	74	72	70
49	122050	80	100	80	100	A	A	84	70
50	122051	74	100	74	100	76	76	74	70
51	122052	66	100	66	100	62	62	70	0
52	122053	78	100	78	100	82	82	68	50
53	122054	66	100	66	100	72	72	72	60
54	122101	68	100	68	100	82	82	92	50
55	122102	64	100	64	100	56	56	84	50
56	122103	90	100	90	100	94	94	86	60
57	122104	68	100	68	100	56	56	80	70
58	122105	76	100	76	100	82	82	76	60
59	122106	74	100	74	100	82	82	76	50
60	122107	68	100	68	100	90	90	82	70
61	122108	64	100	64	100	68	68	76	70
62	122109	72	100	72	100	72	72	88	50
63	122110	84	100	84	100	76	76	76	70
64	122111	74	50	74	50	64	64	22	50
65	122112	60	100	60	100	78	78	76	50
66	122113	66	100	66	100	52	52	44	50
67	122114	50	0	50	0	68	68	26	50
68	122115	50	100	50	100	58	58	A	50
69	122116	60	100	60	100	64	64	76	70
70	122117	70	100	70	100	84	84	76	90
71	122118	10	50	10	50	76	76	28	50
72	122119	78	100	78	100	68	68	50	70
73	122120	84	100	84	100	98	98	96	70
74	122122	74	100	74	100	52	52	70	70
75	122301	82	100	82	100	86	86	86	70
76	122302	76	100	76	100	92	92	96	60
77	122303	86	100	86	100	88	88	96	70
78	122304	74	100	74	100	94	94	70	50
79	122305	54	50	54	50	80	80	A	0
80	122306	54	100	54	100	62	62	50	50
81	122307	68	100	68	100	80	80	76	50
82	122308	56	100	56	100	70	70	82	0
83	122309	38	100	38	100	22	22	44	0
84	122310	52	50	52	50	54	54	56	50
85	122311	78	100	78	100	50	50	24	0
86	122312	82	100	82	100	96	96	96	70
87	122313	78	100	78	100	78	78	78	80
88	122314	72	100	72	100	64	64	66	60
89	122315	64	100	64	100	62	62	66	70
90	122316	70	100	70	100	88	88	94	80
91	132901	50	100	50	100	68	68	40	50
92	132902	50	100	50	100	54	54	66	50
93	132903	32	100	32	100	41	41	70	50
94	132904	36	100	36	100	22	22	38	0
95	132905	34	100	34	100	12	12	66	50

96	132906	50	100	50	100	50	50	28	0
97	132907	64	100	64	100	54	54	50	0
98	132908	70	100	70	100	58	58	88	60
99	132909	82	100	82	100	92	92	94	80
100	132910	80	100	80	100	88	88	86	80
101	132911	78	100	78	100	84	84	88	80
102	132912	64	100	64	100	52	52	66	50
103	132913	54	100	54	100	78	78	68	80
104	132914	72	100	72	100	62	62	80	70
105	132915	58	100	58	100	72	72	86	60
106	132916	72	100	72	100	94	94	70	60
107	132917	56	100	56	100	78	78	94	50
108	132918	50	100	50	100	60	60	54	50
109	132919	50	100	50	100	82	82	80	80
110	132920	70	50	70	50	94	94	92	90
111	132921	68	-	68	-	84	84	A	0
112	132922	68	100	68	100	98	98	82	70
113	132923	50	100	50	100	40	40	76	50
114	132924	50	100	50	100	60	60	70	50
115	132925	50	100	50	100	28	28	92	0
116	132926	72	100	72	100	78	78	86	50
117	132927	56	100	56	100	74	74	56	50
118	132928	76	100	76	100	72	72	66	60
119	132929	74	100	74	100	84	84	80	90
120	132930	62	100	62	100	60	60	78	60
121	132931	66	100	66	100	A	A	68	70
122	132932	A	100	A	100	74	74	84	50
123	132933	64	100	64	100	76	76	82	60
124	132934	54	-	54	-	70	70	82	50
125	132935	66	100	66	100	62	62	34	50
126	132936	64	100	64	100	74	74	74	90
127	132937	66	100	66	100	88	88	70	80
128	132938	62	50	62	50	92	92	88	50
129	132939	50	50	50	50	84	84	82	50
130	132940	78	50	78	50	88	88	90	70
131	132941	66	-	66	-	74	74	86	50
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		75.38	88.55	75.38	88.55	82.17	82.17	82.81	47.33
Level obtained		2	3	2	3	3	3	3	0

Survey:

Survey	C205.1	C205.2	C205.3	C205.4	C205.5
Obtained Percentage	97.1	96.13	97.10	95.81	95.49
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 – C205:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C205.1	2	3	2.3	0	0.92	3	1.336
C205.2	2	3	2.3	0	0.92	3	1.336
C205.3	3	-	3	0	1.2	3	1.56
C205.4	3	-	3	0	1.2	3	1.56
C205.5	3	-	3	0	1.2	3	1.56
C205							**1.47**

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*Internal Test} + {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

$$C205 = \frac{C205.1 + C205.2 + C205.3 + C205.4 + C205.5}{5} = 1.47$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Data Structures and Algorithms C217C
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C217C.1		C217C.2		C217C.3	C217C.4	C217C.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	122001	52	70	52	100	65	65	74	50
2	122002	52	90	52	90	95	95	64	50
3	122003	100	90	100	90	100	100	92	80
4	122004	88	100	88	100	92	92	95	60
5	122005	92	100	92	100	98	98	98	80
6	122006	74	90	74	90	98	98	82	80
7	122007	90	70	90	100	82	82	89	70
8	122008	78	90	78	90	98	98	88	90
9	122009	85	90	85	90	100	100	86	80
10	122010	58	100	58	100	70	70	80	60
11	122011	80	90	80	90	100	100	60	70
12	122012	90	100	90	100	84	84	100	90
13	122013	91	90	91	90	100	100	74	80
14	122014	50	90	50	90	95	95	50	50
15	122015	54	90	54	100	74	74	74	50
16	122016	85	90	85	90	100	100	88	70
17	122017	26	70	26	100	54	54	54	50
18	122018	77	90	77	90	94	94	74	70
19	122019	74	80	74	100	54	54	85	70
20	122021	63	90	63	90	90	90	46	0
21	122022	84	90	84	90	100	100	90	90
22	122023	98	100	98	100	80	80	98	70
23	122024	86	50	86	100	86	86	95	80
24	122025	28	60	28	100	50	50	50	70
25	122026	70	100	70	100	94	94	98	80
26	122027	78	90	78	90	100	100	94	80
27	122028	54	90	54	90	96	96	28	70
28	122029	60	50	60	100	60	60	75	70
29	122030	74	100	74	100	60	60	80	60
30	122031	52	90	52	90	92	92	70	70
31	122032	78	90	78	90	100	100	88	70
32	122033	88	90	88	90	98	98	100	90
33	122034	84	90	84	90	96	96	84	50
34	122035	50	90	50	90	98	98	50	50
35	122036	90	100	90	100	90	90	92	70
36	122037	92	100	92	100	92	92	95	70
37	122038	51	90	51	90	92	92	50	50
38	122039	72	100	72	100	92	92	99	70
39	122040	94	100	94	100	92	92	85	70
40	122041	60	50	60	100	80	80	95	70
41	122042	66	90	66	90	100	100	66	70
42	122043	73	90	73	90	90	90	50	70
43	122044	61	90	61	90	90	90	50	0
44	122045	50	70	50	100	50	50	50	0
45	122046	78	90	78	90	88	88	72	70

46	122047	26	60	26	100	50	50	65	0
47	122048	88	100	88	100	80	80	90	50
48	122049	58	100	58	100	60	60	78	70
49	122050	76	100	76	100	70	70	70	0
50	122051	52	100	52	100	70	70	75	50
51	122052	92	50	92	100	64	64	80	50
52	122053	88	90	88	90	100	100	56	80
53	122054	60	80	60	100	66	66	75	50
54	122101	50	90	50	90	95	95	100	70
55	122102	66	100	66	100	74	74	74	60
56	122103	60	90	60	90	95	95	100	70
57	122104	54	100	54	100	75	75	90	50
58	122105	82	90	82	90	94	94	72	70
59	122106	52	70	52	100	72	72	85	50
60	122107	90	90	90	100	90	90	98	90
61	122108	60	100	60	100	60	60	70	70
62	122109	64	100	64	100	80	80	80	80
63	122110	68	80	68	100	80	80	90	70
64	122111	68	90	68	90	100	100	50	70
65	122112	64	70	64	100	60	60	60	60
66	122113	50	90	50	90	95	95	50	50
67	122114	60	90	60	90	98	98	58	70
68	122115	52	90	52	90	85	85	A	60
69	122116	38	70	38	100	50	50	52	0
70	122117	60	90	60	100	80	80	90	70
71	122118	62	90	62	90	90	90	50	50
72	122119	50	50	50	100	50	50	50	60
73	122120	96	90	96	90	98	98	96	80
74	122122	66	80	66	100	74	74	78	60
75	122301	80	100	80	100	94	94	98	50
76	122302	76	90	76	90	90	90	94	60
77	122303	79	90	79	90	95	95	74	80
78	122304	A	90	A	90	91	91	78	80
79	122305	60	90	60	90	80	80	A	0
80	122306	54	70	54	100	30	30	98	50
81	122307	85	90	85	90	96	96	86	70
82	122308	50	100	50	100	50	50	50	50
83	122309	28	50	28	100	26	26	52	0
84	122310	56	90	56	90	90	90	68	70
85	122311	35	90	35	90	70	70	50	0
86	122312	75	90	75	90	92	92	90	70
87	122313	70	60	70	100	80	80	95	70
88	122314	60	100	60	100	64	64	76	50
89	122315	50	90	50	90	80	80	50	70
90	122316	93	90	93	90	100	100	82	70
91	132901	50	90	50	90	58	58	24	50
92	132902	52	90	52	90	60	60	28	50
93	132903	26	90	26	90	70	70	50	0
94	132904	22	90	22	90	54	54	78	0
95	132905	28	90	28	90	70	70	32	0

96	132906	52	90	52	90	32	32	50	0
97	132907	26	90	26	90	52	52	75	0
98	132908	88	100	88	90	70	70	99	60
99	132909	69	90	69	90	91	91	74	70
100	132910	80	100	80	90	84	84	99	70
101	132911	76	100	76	90	82	82	90	50
102	132912	51	90	51	90	85	85	50	0
103	132913	50	90	50	90	88	88	58	70
104	132914	60	90	60	90	52	52	70	50
105	132915	51	50	51	90	50	50	80	70
106	132916	52	90	52	90	95	95	72	50
107	132917	50	90	50	90	95	95	60	50
108	132918	50	90	50	90	85	85	60	0
109	132919	52	90	52	100	50	50	60	50
110	132920	69	90	69	90	80	80	64	70
111	132921	51	90	51	100	54	54	75	0
112	132922	52	90	52	90	90	90	72	70
113	132923	50	90	50	90	70	70	30	50
114	132924	50	90	50	90	90	90	54	60
115	132925	50	90	50	90	80	80	58	0
116	132926	54	90	54	90	96	96	82	60
117	132927	52	90	52	100	62	62	74	0
118	132928	60	90	60	100	50	50	75	0
119	132929	51	90	51	100	64	64	80	70
120	132930	53	90	53	100	50	50	65	50
121	132931	59	90	59	90	90	90	64	50
122	132932	A	90	A	100	52	52	75	50
123	132933	62	100	62	100	50	50	65	50
124	132934	54	90	54	100	50	50	65	50
125	132935	51	90	51	100	50	50	65	70
126	132936	52	90	52	100	70	70	75	80
127	132937	74	90	74	100	74	74	70	70
128	132938	54	90	54	90	72	72	70	50
129	132939	A	90	A	90	80	80	78	70
130	132940	50	90	50	90	80	80	72	0
131	132941	51	90	51	100	50	50	65	50
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		54.69	86.26	54.69	100	80.92	80.92	75.97	48.09
Level obtained		0	3	0	3	3	3	2	0

Survey:

Survey	C217C.1	C217C.2	C217C.3	C217C.4	C217C.5
Obtained Percentage	98.11	97.41	97.29	97.44	93.77
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 – C205:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C205.1	0	3	0.9	0	0.36	3	0.89
C205.2	0	3	0.9	0	0.36	3	0.89
C205.3	3	-	3	0	1.2	3	1.56
C205.4	3	-	3	0	1.2	3	1.56
C205.5	2	-	2	0	0.8	3	1.24
C217C							**1.23**

C217C.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C217C.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C217C.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C217C.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C217C.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C217C = \frac{C217C.1 + C217C.2 + C217C.3 + C217C.4 + C217C.5}{5} = 1.23$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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
		Model Exam	Model Exam	Model Exam	Model Exam	Model Exam	
1	122001	**91**	**91**	**91**	**91**	**91**	90
2	122002	98	98	98	98	98	100
3	122003	**98**	**98**	**98**	**98**	**98**	100
4	122004	**94**	**94**	**94**	**94**	**94**	100
5	122005	**94**	**94**	**94**	**94**	**94**	100
6	122006	**95**	**95**	**95**	**95**	**95**	100
7	122007	**95**	**95**	**95**	**95**	**95**	100
8	122008	**97**	**97**	**97**	**97**	**97**	100
9	122009	**97**	**97**	**97**	**97**	**97**	100
10	122010	**93**	**93**	**93**	**93**	**93**	100
11	122011	**99**	**99**	**99**	**99**	**99**	100
12	122012	**98**	**98**	**98**	**98**	**98**	100
13	122013	**95**	**95**	**95**	**95**	**95**	100
14	122014	**95**	**95**	**95**	**95**	**95**	90
15	122015	**95**	**95**	**95**	**95**	**95**	100
16	122016	**80**	**80**	**80**	**80**	**80**	90
17	122017	**92**	**92**	**92**	**92**	**92**	90
18	122018	89	89	89	89	89	100
19	122019	**94**	**94**	**94**	**94**	**94**	100
20	122021	**60**	**60**	**60**	**60**	**60**	80
21	122022	**97**	**97**	**97**	**97**	**97**	100
22	122023	**97**	**97**	**97**	**97**	**97**	100
23	122024	**97**	**97**	**97**	**97**	**97**	100
24	122025	**91**	**91**	**91**	**91**	**91**	90
25	122026	**96**	**96**	**96**	**96**	**96**	100
26	122027	98	98	98	98	98	100
27	122028	**85**	**85**	**85**	**85**	**85**	90
28	122029	**92**	**92**	**92**	**92**	**92**	100
29	122030	**95**	**95**	**95**	**95**	**95**	100
30	122031	**89**	**89**	**89**	**89**	**89**	90
31	122032	95	95	95	95	95	100
32	122033	**98**	**98**	**98**	**98**	**98**	100
33	122034	**98**	**98**	**98**	**98**	**98**	100
34	122035	**85**	**85**	**85**	**85**	**85**	90
35	122036	**94**	**94**	**94**	**94**	**94**	100
36	122037	**96**	**96**	**96**	**96**	**96**	100
37	122038	**85**	**85**	**85**	**85**	**85**	100

38	122039	95	95	95	95	95	100
39	122040	95	95	95	95	95	100
40	122041	93	93	93	93	93	90
41	122042	85	85	85	85	85	90
42	122043	85	85	85	85	85	90
43	122044	99	99	99	99	99	100
44	122045	95	95	95	95	95	100
45	122046	80	80	80	80	80	90
46	122047	88	88	88	88	88	80
47	122048	92	92	92	92	92	100
48	122049	98	98	98	98	98	100
49	122050	92	92	92	92	92	90
50	122051	91	91	91	91	91	90
51	122052	94	94	94	94	94	90
52	122053	97	97	97	97	97	100
53	122054	91	91	91	91	91	100
54	122101	95	95	95	95	95	90
55	122102	92	92	92	92	92	100
56	122103	80	80	80	80	80	90
57	122104	97	97	97	97	97	100
58	122105	80	80	80	80	80	80
59	122106	94	94	94	94	94	100
60	122107	98	98	98	98	98	100
61	122108	92	92	92	92	92	100
62	122109	95	95	95	95	95	100
63	122110	95	95	95	95	95	100
64	122111	95	95	95	95	95	90
65	122112	93	93	93	93	93	90
66	122113	75	75	75	75	75	80
67	122114	95	95	95	95	95	100
68	122115	90	90	90	90	90	100
69	122116	93	93	93	93	93	90
70	122117	94	94	94	94	94	100
71	122118	75	75	75	75	75	80
72	122119	91	91	91	91	91	90
73	122120	90	90	90	90	90	100
74	122122	91	91	91	91	91	90
75	122301	94	94	94	94	94	100
76	122302	95	95	95	95	95	100
77	122303	97	97	97	97	97	100
78	122304	97	97	97	97	97	90
79	122305	90	90	90	90	90	80
80	122306	94	94	94	94	94	100
81	122307	98	98	98	98	98	100

82	122308	**94**	**94**	**94**	**94**	**94**	100
83	122309	**88**	**88**	**88**	**88**	**88**	70
84	122310	**85**	**85**	**85**	**85**	**85**	100
85	122311	70	70	70	70	70	70
86	122312	**96**	**96**	**96**	**96**	**96**	90
87	122313	**97**	**97**	**97**	**97**	**97**	100
88	122314	**96**	**96**	**96**	**96**	**96**	100
89	122315	**85**	**85**	**85**	**85**	**85**	100
90	122316	**96**	**96**	**96**	**96**	**96**	100
91	132901	**90**	**90**	**90**	**90**	**90**	90
92	132902	**90**	**90**	**90**	**90**	**90**	90
93	132903	**75**	**75**	**75**	**75**	**75**	90
94	132904	**91**	**91**	**91**	**91**	**91**	90
95	132905	**90**	**90**	**90**	**90**	**90**	90
96	132906	**92**	**92**	**92**	**92**	**92**	80
97	132907	**91**	**91**	**91**	**91**	**91**	90
98	132908	**91**	**91**	**91**	**91**	**91**	90
99	132909	**98**	**98**	**98**	**98**	**98**	100
100	132910	**96**	**96**	**96**	**96**	**96**	100
101	132911	**91**	**91**	**91**	**91**	**91**	90
102	132912	**85**	**85**	**85**	**85**	**85**	90
103	132913	98	98	98	98	98	100
104	132914	**94**	**94**	**94**	**94**	**94**	90
105	132915	**91**	**91**	**91**	**91**	**91**	90
106	132916	**97**	**97**	**97**	**97**	**97**	100
107	132917	**98**	**98**	**98**	**98**	**98**	90
108	132918	**75**	**75**	**75**	**75**	**75**	100
109	132919	**92**	**92**	**92**	**92**	**92**	100
110	132920	95	95	95	95	95	100
111	132921	**91**	**91**	**91**	**91**	**91**	90
112	132922	**97**	**97**	**97**	**97**	**97**	100
113	132923	**80**	**80**	**80**	**80**	**80**	100
114	132924	**85**	**85**	**85**	**85**	**85**	90
115	132925	**89**	**89**	**89**	**89**	**89**	100
116	132926	**95**	**95**	**95**	**95**	**95**	100
117	132927	**92**	**92**	**92**	**92**	**92**	90
118	132928	**91**	**91**	**91**	**91**	**91**	90
119	132929	**94**	**94**	**94**	**94**	**94**	100
120	132930	**91**	**91**	**91**	**91**	**91**	90
121	132931	**90**	**90**	**90**	**90**	**90**	100
122	132932	**91**	**91**	**91**	**91**	**91**	90
123	132933	**97**	**97**	**97**	**97**	**97**	100
124	132934	91	91	91	91	91	90
125	132935	91	91	91	91	91	90

126	132936	**95**	**95**	**95**	**95**	**95**	90
127	132937	**92**	**92**	**92**	**92**	**92**	90
128	132938	**98**	**98**	**98**	**98**	**98**	90
129	132939	**95**	**95**	**95**	**95**	**95**	90
130	132940	**85**	**85**	**85**	**85**	**85**	100
131	132941	**95**	**95**	**95**	**95**	**95**	100
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		95.42	95.42	95.42	95.42	95.42	93.13
Level Obtained		3	3	3	3	3	3

Survey:

Survey	**C207.1**	**C207.2**	**C207.3**	**C207.4**	**C207.5**
Obtained Percentage	95.36	94.65	94.47	94.29	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 – 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 – 2012-2016 Batch – Course: Data Structures and Algorithms Lab C218C

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

S.NO.	ROLL NO	CO 207.1	CO 207.2	CO 207.3	CO 207.4	CO 207.5	AU Exam
		Model Exam	Model Exam	Model Exam	Model Exam	Model Exam	
1	122001	95	95	95	95	95	100
2	122002	92	92	92	92	92	100
3	122003	95	95	95	95	95	100
4	122004	95	95	95	95	95	100
5	122005	96	96	96	96	96	100
6	122006	98	98	98	98	98	100
7	122007	90	90	90	90	90	100
8	122008	93	93	93	93	93	100
9	122009	92	92	92	92	92	100
10	122010	95	95	95	95	95	100
11	122011	91	91	91	91	91	100
12	122012	96	96	96	96	96	100
13	122013	95	95	95	95	95	100
14	122014	96	96	96	96	96	100
15	122015	94	94	94	94	94	100
16	122016	90	90	90	90	90	100
17	122017	90	90	90	90	90	90
18	122018	93	93	93	93	93	100
19	122019	92	92	92	92	92	100
20	122021	93	93	93	93	93	100
21	122022	94	94	94	94	94	100
22	122023	90	90	90	90	90	100
23	122024	95	95	95	95	95	100
24	122025	86	86	86	86	86	90
25	122026	97	97	97	97	97	100
26	122027	98	98	98	98	98	100
27	122028	92	92	92	92	92	100
28	122029	90	90	90	90	90	100
29	122030	90	90	90	90	90	100
30	122031	95	95	95	95	95	100
31	122032	94	94	94	94	94	100
32	122033	91	91	91	91	91	100
33	122034	92	92	92	92	92	100
34	122035	94	94	94	94	94	100
35	122036	94	94	94	94	94	100
36	122037	98	98	98	98	98	100
37	122038	92	92	92	92	92	100

38	122039	96	96	96	96	96	100
39	122040	97	97	97	97	97	100
40	122041	96	96	96	96	96	100
41	122042	97	97	97	97	97	100
42	122043	97	97	97	97	97	100
43	122044	90	90	90	90	90	100
44	122045	88	88	88	88	88	90
45	122046	90	90	90	90	90	100
46	122047	90	90	90	90	90	90
47	122048	88	88	88	88	88	90
48	122049	89	89	89	89	89	100
49	122050	94	94	94	94	94	100
50	122051	92	92	92	92	92	100
51	122052	92	92	92	92	92	90
52	122053	96	96	96	96	96	100
53	122054	90	90	90	90	90	100
54	122101	95	95	95	95	95	100
55	122102	90	90	90	90	90	100
56	122103	91	91	91	91	91	100
57	122104	98	98	98	98	98	100
58	122105	94	94	94	94	94	100
59	122106	95	95	95	95	95	100
60	122107	95	95	95	95	95	100
61	122108	95	95	95	95	95	100
62	122109	93	93	93	93	93	100
63	122110	92	92	92	92	92	100
64	122111	98	98	98	98	98	100
65	122112	95	95	95	95	95	100
66	122113	91	91	91	91	91	100
67	122114	93	93	93	93	93	100
68	122115	94	94	94	94	94	100
69	122116	90	90	90	90	90	100
70	122117	98	98	98	98	98	100
71	122118	93	93	93	93	93	90
72	122119	93	93	93	93	93	100
73	122120	91	91	91	91	91	100
74	122122	90	90	90	90	90	100
75	122301	98	98	98	98	98	100
76	122302	98	98	98	98	98	100
77	122303	95	95	95	95	95	100
78	122304	92	92	92	92	92	100
79	122305	92	92	92	92	92	90
80	122306	92	92	92	92	92	100
81	122307	95	95	95	95	95	100

82	122308	88	88	88	88	88	100
83	122309	80	80	80	80	80	80
84	122310	91	91	91	91	91	100
85	122311	93	93	93	93	93	90
86	122312	93	93	93	93	93	100
87	122313	95	95	95	95	95	100
88	122314	90	90	90	90	90	100
89	122315	92	92	92	92	92	100
90	122316	90	90	90	90	90	100
91	132901	95	95	95	95	95	90
92	132902	91	91	91	91	91	100
93	132903	97	97	97	97	97	100
94	132904	92	92	92	92	92	100
95	132905	92	92	92	92	92	100
96	132906	90	90	90	90	90	90
97	132907	92	92	92	92	92	90
98	132908	94	94	94	94	94	100
99	132909	94	94	94	94	94	100
100	132910	93	93	93	93	93	100
101	132911	92	92	92	92	92	100
102	132912	93	93	93	93	93	100
103	132913	90	90	90	90	90	100
104	132914	95	95	95	95	95	100
105	132915	92	92	92	92	92	90
106	132916	95	95	95	95	95	100
107	132917	94	94	94	94	94	100
108	132918	90	90	90	90	90	100
109	132919	90	90	90	90	90	100
110	132920	95	95	95	95	95	100
111	132921	91	91	91	91	91	90
112	132922	92	92	92	92	92	90
113	132923	90	90	90	90	90	100
114	132924	92	92	92	92	92	100
115	132925	95	95	95	95	95	100
116	132926	96	96	96	96	96	100
117	132927	90	90	90	90	90	100
118	132928	97	97	97	97	97	90
119	132929	92	92	92	92	92	100
120	132930	91	91	91	91	91	100
121	132931	95	95	95	95	95	100
122	132932	91	91	91	91	91	90
123	132933	95	95	95	95	95	100
124	132934	90	90	90	90	90	90
125	132935	90	90	90	90	90	90

126	132936	92	92	92	92	92	100
127	132937	95	95	95	95	95	100
128	132938	92	92	92	92	92	100
129	132939	96	96	96	96	96	100
130	132940	90	90	90	90	90	100
131	132941	91	91	91	91	91	100
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		100	100	100	100	100	99.24
Level Obtained		3	3	3	3	3	3

Survey:

Survey	**C118C.1**	**C218C.2**	**C218C.3**	**C218C.4**	**C218C.5**
Obtained Percentage	95.36	94.65	94.47	94.29	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 – C218C:

Course	**M(IA)**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C218C.1	3	3	3	3	3
C218C.2	3	3	3	3	3
C218C.3	3	3	3	3	3
C218C.4	3	3	3	3	3
C218C.5	3	3	3	3	3
C218C					**3**

C218C.1= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C218C.2= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C218C.3= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C218C.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C218C.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

$$C218C = \frac{C218C.1 + C218C.2 + C218C.3 + C218C.4 + C218C.5}{5} = 3$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Measurements and Instruments Lab C307MI

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

S.NO.	ROLL NO	CO 207.1	CO 207.2	CO 207.3	CO 207.4	CO 207.5	AU Exam
		Model Exam	Model Exam	Model Exam	Model Exam	Model Exam	
1	122001	50	50	50	50	50	90
2	122002	90	90	90	90	90	90
3	122003	98	98	98	98	98	100
4	122004	94	94	94	94	94	100
5	122005	94	94	94	94	94	100
6	122006	98	98	98	98	98	100
7	122007	95	95	95	95	95	90
8	122008	98	98	98	98	98	100
9	122009	98	98	98	98	98	100
10	122010	85	85	85	85	85	100
11	122011	90	90	90	90	90	100
12	122012	97	97	97	97	97	100
13	122013	95	95	95	95	95	100
14	122014	85	85	85	85	85	100
15	122015	86	86	86	86	86	100
16	122016	95	95	95	95	95	100
17	122017	86	86	86	86	86	100
18	122018	90	90	90	90	90	90
19	122019	94	94	94	94	94	100
20	122021	80	80	80	80	80	90
21	122022	95	95	95	95	95	100
22	122023	98	98	98	98	98	100
23	122024	98	98	98	98	98	100
24	122025	90	90	90	90	90	90
25	122026	98	98	98	98	98	100
26	122027	98	98	98	98	98	100
27	122028	80	80	80	80	80	90
28	122029	89	89	89	89	89	100
29	122030	94	94	94	94	94	100
30	122031	70	70	70	70	70	90
31	122032	95	95	95	95	95	100
32	122033	98	98	98	98	98	100
33	122034	98	98	98	98	98	100
34	122035	85	85	85	85	85	90
35	122036	97	97	97	97	97	100
36	122037	92	92	92	92	92	100
37	122038	90	90	90	90	90	100

38	122039	97	97	97	97	97	100
39	122040	94	94	94	94	94	100
40	122041	60	60	60	60	60	90
41	122042	90	90	90	90	90	100
42	122043	85	85	85	85	85	100
43	122044	90	90	90	90	90	90
44	122045	86	86	86	86	86	100
45	122046	90	90	90	90	90	100
46	122047	70	70	70	70	70	90
47	122048	91	91	91	91	91	100
48	122049	96	96	96	96	96	100
49	122050	84	84	84	84	84	100
50	122051	84	84	84	84	84	100
51	122052	88	88	88	88	88	90
52	122053	90	90	90	90	90	90
53	122054	83	83	83	83	83	90
54	122101	83	83	83	83	83	90
55	122102	86	86	86	86	86	100
56	122103	90	90	90	90	90	90
57	122104	92	92	92	92	92	100
58	122105	94	94	94	94	94	90
59	122106	82	82	82	82	82	90
60	122107	98	98	98	98	98	100
61	122108	86	86	86	86	86	100
62	122109	90	90	90	90	90	100
63	122110	88	88	88	88	88	100
64	122111	85	85	85	85	85	90
65	122112	82	82	82	82	82	90
66	122113	70	70	70	70	70	90
67	122114	90	90	90	90	90	100
68	122115	80	80	80	80	80	90
69	122116	81	81	81	81	81	90
70	122117	93	93	93	93	93	100
71	122118	80	80	80	80	80	90
72	122119	84	84	84	84	84	100
73	122120	90	90	90	90	90	100
74	122122	88	88	88	88	88	100
75	122301	90	90	90	90	90	100
76	122302	85	85	85	85	85	90
77	122303	90	90	90	90	90	100
78	122304	95	95	95	95	95	100
79	122305	85	85	85	85	85	90
80	122306	83	83	83	83	83	90
81	122307	95	95	95	95	95	100

82	122308	92	92	92	92	92	100
83	122309	75	75	75	75	75	70
84	122310	80	80	80	80	80	90
85	122311	75	75	75	75	75	80
86	122312	95	95	95	95	95	100
87	122313	87	87	87	87	87	100
88	122314	80	80	80	80	80	100
89	122315	85	85	85	85	85	90
90	122316	95	95	95	95	95	100
91	132901	90	90	90	90	90	90
92	132902	85	85	85	85	85	90
93	132903	90	90	90	90	90	90
94	132904	71	71	71	71	71	80
95	132905	89	89	89	89	89	90
96	132906	80	80	80	80	80	90
97	132907	79	79	79	79	79	90
98	132908	91	91	91	91	91	100
99	132909	90	90	90	90	90	90
100	132910	98	98	98	98	98	100
101	132911	88	88	88	88	88	100
102	132912	90	90	90	90	90	100
103	132913	90	90	90	90	90	90
104	132914	88	88	88	88	88	100
105	132915	89	89	89	89	89	90
106	132916	90	90	90	90	90	90
107	132917	85	85	85	85	85	90
108	132918	80	80	80	80	80	90
109	132919	91	91	91	91	91	100
110	132920	90	90	90	90	90	90
111	132921	84	84	84	84	84	90
112	132922	90	90	90	90	90	90
113	132923	80	80	80	80	80	90
114	132924	90	90	90	90	90	90
115	132925	90	90	90	90	90	100
116	132926	98	98	98	98	98	100
117	132927	80	80	80	80	80	90
118	132928	60	60	60	60	60	90
119	132929	90	90	90	90	90	90
120	132930	85	85	85	85	85	90
121	132931	90	90	90	90	90	100
122	132932	74	74	74	74	74	90
123	132933	90	90	90	90	90	100
124	132934	84	84	84	84	84	90
125	132935	88	88	88	88	88	100

126	132936	90	90	90	90	90	100
127	132937	92	92	92	92	92	100
128	132938	90	90	90	90	90	90
129	132939	90	90	90	90	90	100
130	132940	90	90	90	90	90	90
131	132941	86	86	86	86	86	100
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		91.6	91.6	91.6	91.6	91.6	97.71
Level Obtained		3	3	3	3	3	3

Survey:

Survey	**C307.1**	**C307.2**	**C307.3**	**C307.4**	**C307.5**
Obtained Percentage	97.86	99.29	97.68	97.68	96.43
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	**M(IA)**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C307.1	3	3	3	3	3
C307.2	3	3	3	3	3
C307.3	3	3	3	3	3
C307.4	3	3	3	3	3
C307.5	3	3	3	3	3
C307					**3**

C307.1= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C307.2= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C307= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C307.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C307.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

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

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	
1	122001	56	100	56	100	50	100	50	100	4	50
2	122002	74	100	74	100	50	100	50	100	28	90
3	122003	98	100	98	100	94	100	94	100	55	90
4	122004	86	100	86	100	90	100	90	100	38	70
5	122005	98	100	98	100	96	100	96	100	99	90
6	122006	80	100	80	100	58	100	58	100	50	70
7	122007	84	100	84	100	70	100	70	100	90	80
8	122008	80	100	80	100	84	100	84	100	50	80
9	122009	94	100	94	100	96	100	96	100	94	90
10	122010	84	100	84	100	68	100	68	100	40	70
11	122011	86	100	86	100	100	100	100	100	68	90
12	122012	86	100	86	100	84	100	84	100	99	80
13	122013	90	100	90	100	96	100	96	100	70	90
14	122014	72	100	72	100	86	100	86	100	65	70
15	122015	74	100	74	100	50	100	50	100	8	50
16	122016	76	100	76	100	98	100	98	100	60	90
17	122017	64	100	64	100	88	100	88	100	90	90
18	122018	82	100	82	100	82	100	82	100	54	80
19	122019	72	100	72	100	96	100	96	100	99	100
20	122021	50	100	50	100	30	100	30	100	16	50
21	122022	94	100	94	100	56	100	56	100	60	100
22	122023	86	100	86	100	82	100	82	100	56	80
23	122024	88	100	88	100	94	100	94	100	66	100
24	122025	62	100	62	100	42	100	42	100	80	0
25	122026	96	100	96	100	100	100	100	100	99	90
26	122027	98	100	98	100	92	100	92	100	60	90
27	122028	86	100	86	100	96	100	96	100	32	90
28	122029	98	100	98	100	62	100	62	100	85	70
29	122030	78	100	78	100	80	100	80	100	99	60
30	122031	52	100	52	100	32	100	32	100	6	50
31	122032	84	100	84	100	94	100	94	100	58	100
32	122033	82	100	82	100	64	100	64	100	64	90
33	122034	94	100	94	100	90	100	90	100	50	90
34	122035	76	100	76	100	76	100	76	100	50	50
35	122036	84	100	84	100	86	100	86	100	99	80

36	122037	92	100	92	100	98	100	98	100	99	100
37	122038	32	100	32	100	6	100	6	100	0	70
38	122039	92	100	92	100	90	100	90	100	99	80
39	122040	56	100	56	100	86	100	86	100	26	70
40	122041	8	100	8	100	6	100	6	100	20	50
41	122042	58	100	58	100	70	100	70	100	55	80
42	122043	96	100	96	100	100	100	100	100	92	100
43	122044	66	100	66	100	26	100	26	100	18	70
44	122045	68	100	68	100	82	100	82	100	99	70
45	122046	70	100	70	100	88	100	88	100	50	70
46	122047	30	100	30	100	36	100	36	100	75	0
47	122048	90	100	90	100	94	100	94	100	99	80
48	122049	72	100	72	100	98	100	98	100	90	50
49	122050	92	100	92	100	70	100	70	100	24	80
50	122051	78	100	78	100	78	100	78	100	90	50
51	122052	66	100	66	100	50	100	50	100	75	50
52	122053	74	100	74	100	88	100	88	100	58	80
53	122054	66	100	66	100	50	100	50	100	32	70
54	122101	74	100	74	100	54	100	54	100	10	70
55	122102	86	100	86	100	54	100	54	100	24	70
56	122103	80	100	80	100	92	100	92	100	56	80
57	122104	68	100	68	100	60	100	60	100	38	80
58	122105	50	100	50	100	66	100	66	100	20	80
59	122106	62	100	62	100	50	100	50	100	80	50
60	122107	92	100	92	100	98	100	98	100	99	100
61	122108	68	100	68	100	58	100	58	100	80	80
62	122109	76	100	76	100	58	100	58	100	38	90
63	122110	82	100	82	100	60	100	60	100	80	90
64	122111	86	100	86	100	96	100	96	100	50	80
65	122112	78	100	78	100	54	100	54	100	75	70
66	122113	88	100	88	100	62	100	62	100	20	70
67	122114	58	100	58	100	58	100	58	100	59	50
68	122115	60	100	60	100	50	100	50	100	50	70
69	122116	50	100	50	100	50	100	50	100	4	50
70	122117	58	100	58	100	64	100	64	100	62	80
71	122118	76	100	76	100	22	100	22	100	10	80
72	122119	84	100	84	100	68	100	68	100	85	90
73	122120	96	100	96	100	100	100	100	100	65	100
74	122122	42	100	42	100	56	100	56	100	80	70
75	122301	86	100	86	100	84	100	84	100	99	90
76	122302	70	100	70	100	92	100	92	100	60	80
77	122303	96	100	96	100	100	100	100	100	65	100

78	122304	50	100	50	100	60	100	60	100	A	80
79	122305	64	100	64	100	38	100	38	100	4	70
80	122306	78	100	78	100	70	100	70	100	90	70
81	122307	78	100	78	100	90	100	90	100	54	70
82	122308	52	100	52	100	60	100	60	100	80	70
83	122309	42	100	42	100	54	100	54	100	80	80
84	122310	76	100	76	100	56	100	56	100	24	80
85	122311	56	100	56	100	26	100	26	100	0	50
86	122312	90	100	90	100	60	100	60	100	8	70
87	122313	72	100	72	100	54	100	54	100	26	60
88	122314	66	100	66	100	52	100	52	100	80	50
89	122315	96	100	96	100	56	100	56	100	4	60
90	122316	94	100	94	100	34	100	34	100	30	70
91	132901	72	100	72	100	36	100	36	100	30	70
92	132902	38	100	38	100	34	100	34	100	0	0
93	132903	50	100	50	100	12	100	12	100	40	0
94	132904	18	100	18	100	12	100	12	100	80	0
95	132905	22	100	22	100	20	100	20	100	0	50
96	132906	A	100	A	100	A	100	A	100	24	0
97	132907	64	100	64	100	44	100	44	100	80	70
98	132908	56	100	56	100	72	100	72	100	80	80
99	132909	72	100	72	100	88	100	88	100	36	90
100	132910	82	100	82	100	100	100	100	100	40	90
101	132911	88	100	88	100	90	100	90	100	99	90
102	132912	58	100	58	100	40	100	40	100	6	50
103	132913	70	100	70	100	32	100	32	100	20	50
104	132914	50	100	50	100	60	100	60	100	80	60
105	132915	76	100	76	100	42	100	42	100	80	80
106	132916	50	100	50	100	14	100	14	100	18	50
107	132917	50	100	50	100	22	100	22	100	0	50
108	132918	54	100	54	100	28	100	28	100	30	50
109	132919	60	100	60	100	34	100	34	100	75	70
110	132920	90	100	90	100	66	100	66	100	58	70
111	132921	52	100	52	100	0	100	0	100	75	0
112	132922	60	100	60	100	16	100	16	100	22	70
113	132923	54	100	54	100	60	100	60	100	78	50
114	132924	50	100	50	100	30	100	30	100	12	80
115	132925	50	100	50	100	10	100	10	100	14	50
116	132926	86	100	86	100	86	100	86	100	65	90
117	132927	52	100	52	100	62	100	62	100	0	60
118	132928	50	100	50	100	30	100	30	100	75	50
119	132929	58	100	58	100	54	100	54	100	80	80

120	132930	50	100	50	100	36	100	36	100	75	50
121	132931	70	100	70	100	0	100	0	100	55	70
122	132932	56	100	56	100	44	100	44	100	75	50
123	132933	64	100	64	100	0	100	0	100	0	50
124	132934	50	100	50	100	32	100	32	100	24	50
125	132935	70	100	70	100	0	100	0	100	26	50
126	132936	66	100	66	100	66	100	66	100	90	80
127	132937	86	100	86	100	68	100	68	100	32	80
128	132938	16	100	16	100	30	100	30	100	4	50
129	132939	24	100	24	100	30	100	30	100	A	50
130	132940	50	100	50	100	52	100	52	100	18	60
131	132941	58	100	58	100	62	100	62	100	16	70
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		68.46	100	68.46	100	53.08	100	53.08	100	45.74	67.18
Level Obtained		1	3	1	3	0	3	0	3	0	1

Survey:

Survey	**C209.1**	**C209.2**	**C209.3**	**C209.4**	**C209.5**
Obtained Percentage	93.848	92.976	94.428	91.77	88.431
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	1	3	**1.6**	1	**1.24**	3	**1.592**
C209.2	1	3	**1.6**	1	**1.24**	3	**1.592**
C209.3	0	3	**0.9**	1	**0.96**	3	**1.368**
C209.4	0	3	**0.9**	1	**0.96**	3	**1.368**
C209.5	0	-	**0**	1	**0.6**	3	**1.08**
C209							**1.4**

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*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C209 = \frac{C209.1 + C209.2 + C209.3 + C209.4 + C209.5}{5} = 1.4$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Electrical Machines IC210
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C210.1		C210.2		C210.3	C210.4	C210.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	122001	54	90	54	90	50	50	72	60
2	122002	42	90	42	90	24	24	54	60
3	122003	88	90	88	90	64	64	96	80
4	122004	83	90	83	90	72	72	82	80
5	122005	95	90	95	90	95	95	98	90
6	122006	80	90	80	90	90	90	96	90
7	122007	97	90	97	90	86	86	99	80
8	122008	93	90	93	90	86	86	92	80
9	122009	94	90	94	90	76	76	96	90
10	122010	64	90	64	90	66	66	92	70
11	122011	88	90	88	90	64	64	92	70
12	122012	88	100	88	90	98	98	99	100
13	122013	84	90	84	90	50	50	94	80
14	122014	70	90	70	90	60	60	90	60
15	122015	90	90	90	90	60	60	50	70
16	122016	90	80	90	90	84	84	96	90
17	122017	70	90	70	90	72	72	85	70
18	122018	94	90	94	90	58	58	82	70
19	122019	93	90	93	90	95	95	98	80
20	122021	63	90	63	90	50	50	84	50
21	122022	98	90	98	90	74	74	96	90
22	122023	91	90	91	90	76	76	96	90
23	122024	92	90	92	90	96	96	96	90
24	122025	66	90	66	90	60	60	84	70
25	122026	97	100	97	90	90	90	98	80
26	122027	92	90	92	90	78	78	96	80
27	122028	38	90	38	90	50	50	80	70
28	122029	94	90	94	90	86	86	92	70
29	122030	50	100	50	90	86	86	84	60
30	122031	62	80	62	90	80	80	50	50
31	122032	84	90	84	90	78	78	96	80
32	122033	96	90	96	90	80	80	92	80
33	122034	94	90	94	90	88	88	96	90
34	122035	80	-	80	80	58	58	76	80
35	122036	94	90	94	90	88	88	98	80
36	122037	84	90	84	90	80	80	95	80
37	122038	80	90	80	90	60	60	74	50
38	122039	75	90	75	90	96	96	95	90
39	122040	97	90	97	90	78	78	96	70
40	122041	67	90	67	90	64	64	50	80
41	122042	80	90	80	90	50	50	96	60
42	122043	70	90	70	90	70	70	96	50
43	122044	69	90	69	90	52	52	72	50
44	122045	82	90	82	90	90	90	95	80
45	122046	70	90	70	90	50	50	62	80

46	122047	42	90	42	90	51	51	65	50
47	122048	84	90	84	90	86	86	88	60
48	122049	88	100	88	90	84	84	80	50
49	122050	82	80	82	90	76	76	84	70
50	122051	46	90	46	90	60	60	90	70
51	122052	64	90	64	90	80	80	82	80
52	122053	64	90	64	90	50	50	96	50
53	122054	75	90	75	90	58	58	84	80
54	122101	68	90	68	90	60	60	92	70
55	122102	85	90	85	90	62	62	90	80
56	122103	70	-	70	90	50	50	96	70
57	122104	70	80	70	90	62	62	94	70
58	122105	76	80	76	90	50	50	74	70
59	122106	91	90	91	90	88	88	91	70
60	122107	92	90	92	90	93	93	98	90
61	122108	85	90	85	90	64	64	82	80
62	122109	72	90	72	90	74	74	96	90
63	122110	94	90	94	90	94	94	92	70
64	122111	84	90	84	90	72	72	86	70
65	122112	71	90	71	90	84	84	75	80
66	122113	12	80	12	80	16	16	64	60
67	122114	52	90	52	90	64	64	80	60
68	122115	84	90	84	90	24	24	60	70
69	122116	60	90	60	90	60	60	50	70
70	122117	93	90	93	90	84	84	96	100
71	122118	46	90	46	90	46	46	66	70
72	122119	70	90	70	90	74	74	72	50
73	122120	68	90	68	90	70	70	92	80
74	122122	70	90	70	90	85	85	A	50
75	122301	75	90	75	90	91	91	92	90
76	122302	60	80	60	80	52	52	96	70
77	122303	68	90	68	90	84	84	96	70
78	122304	84	90	84	90	74	74	A	90
79	122305	76	90	76	90	90	90	94	70
80	122306	62	90	62	90	57	57	72	50
81	122307	88	90	88	90	84	84	92	70
82	122308	50	90	50	90	81	81	86	60
83	122309	55	90	55	90	A	A	70	50
84	122310	54	90	54	90	64	64	68	70
85	122311	8	-	8	-	12	12	10	0
86	122312	90	90	90	90	86	86	92	80
87	122313	94	90	94	90	60	60	68	70
88	122314	69	90	69	90	74	74	86	60
89	122315	36	80	36	90	50	50	84	50
90	122316	94	90	94	90	50	50	92	80
91	132901	36	80	36	90	50	50	66	50
92	132902	81	90	81	90	52	52	64	80
93	132903	46	80	46	90	56	56	28	50
94	132904	55	90	55	90	70	70	60	60
95	132905	46	90	46	90	20	20	50	50

96	132906	28	80	28	90	36	36	60	50
97	132907	80	90	80	90	75	75	70	70
98	132908	97	90	97	90	85	85	81	70
99	132909	98	90	98	90	80	80	96	80
100	132910	98	90	98	90	96	96	96	90
101	132911	80	90	80	90	80	80	91	80
102	132912	92	90	92	90	68	68	96	50
103	132913	74	90	74	90	50	50	64	50
104	132914	87	90	87	90	80	80	92	50
105	132915	91	90	91	90	82	82	85	80
106	132916	84	90	84	90	50	50	56	50
107	132917	91	90	91	90	50	50	50	50
108	132918	54	80	54	90	32	32	70	50
109	132919	72	90	72	90	80	80	72	70
110	132920	84	90	84	90	50	50	92	80
111	132921	81	90	81	90	52	52	70	0
112	132922	78	90	78	90	52	52	80	80
113	132923	73	90	73	90	74	74	84	60
114	132924	70	90	70	90	54	54	68	50
115	132925	58	80	58	90	50	50	66	70
116	132926	86	90	86	90	62	62	96	90
117	132927	74	90	74	90	68	68	52	80
118	132928	66	90	66	90	70	70	71	70
119	132929	84	90	84	90	88	88	85	80
120	132930	70	90	70	90	70	70	75	60
121	132931	64	90	64	90	68	68	68	70
122	132932	80	90	80	90	60	60	A	50
123	132933	40	80	40	90	A	A	A	50
124	132934	58	90	58	90	52	52	80	70
125	132935	50	90	50	90	A	A	60	60
126	132936	83	90	83	90	94	94	84	80
127	132937	64	90	64	90	76	76	96	90
128	132938	58	90	58	90	50	50	68	50
129	132939	80	90	80	90	62	62	A	50
130	132940	52	90	52	90	60	60	62	70
131	132941	76	90	76	90	58	58	68	50
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		80.15	97.71	80.15	99.24	68.75	68.75	91.27	65.65
Level obtained		3	3	3	3	1	1	3	1

Survey:

Survey	C210.1	C210.2	C210.3	C210.4	C210.5
Obtained Percentage	97.91	96.68	92.80	94.701	96.285
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	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C210.1	3	3	3	1	1.8	3	2.04
C210.2	3	3	3	1	1.8	3	2.04
C210.3	1	-	1	1	1	3	1.4
C210.4	1	-	1	1	1	3	1.4
C210.5	3	-	3	1	1.8	3	2.04
C210							**1.784**

C210.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C210.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

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

C210.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C210.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C210 = \frac{C210.1 + C210.2 + C210.3 + C210.4 + C210.5}{5} = 1.78$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Power Plant Engineering C303
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C303.1		C303.2		C303.3	C303.4	C303.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	122001	74	80	74	100	68	68	56	60
2	122002	80	100	80	100	92	92	82	70
3	122003	94	100	94	100	94	94	92	80
4	122004	88	100	88	100	64	64	66	70
5	122005	90	100	90	100	86	86	68	80
6	122006	92	100	92	100	78	78	74	90
7	122007	86	100	86	100	66	66	76	90
8	122008	98	100	98	100	80	80	82	80
9	122009	92	100	92	100	96	96	92	80
10	122010	90	100	90	100	80	80	60	80
11	122011	88	100	88	100	90	90	86	80
12	122012	86	100	86	100	86	86	80	80
13	122013	86	100	86	100	96	96	90	80
14	122014	76	100	76	100	82	82	70	70
15	122015	68	90	68	100	80	80	50	80
16	122016	96	100	96	100	90	90	86	80
17	122017	68	70	68	70	72	72	82	0
18	122018	84	100	84	100	88	88	96	70
19	122019	98	100	98	100	78	78	78	90
20	122021	72	70	72	100	34	34	50	70
21	122022	96	100	96	100	78	78	82	80
22	122023	94	100	94	100	82	82	60	80
23	122024	86	100	86	100	86	86	88	90
24	122025	78	70	78	80	44	44	40	70
25	122026	99	100	99	100	80	80	80	90
26	122027	92	100	92	100	86	86	92	80
27	122028	66	100	66	100	80	80	50	60
28	122029	94	70	94	80	78	78	50	90
29	122030	70	100	70	100	68	68	36	60
30	122031	60	100	60	100	84	84	70	70
31	122032	84	100	84	100	96	96	90	80
32	122033	70	100	70	100	78	78	70	80
33	122034	90	100	90	100	98	98	70	80
34	122035	70	100	70	100	90	90	92	80
35	122036	99	100	99	100	80	80	72	70
36	122037	90	100	90	100	82	82	60	80
37	122038	88	100	88	100	64	64	50	80
38	122039	86	100	86	100	78	78	60	70
39	122040	60	100	60	90	86	86	74	60
40	122041	76	100	76	100	72	72	24	80
41	122042	A	100	A	100	90	90	86	70
42	122043	65	100	65	100	94	94	96	70
43	122044	60	100	60	80	66	66	68	60
44	122045	64	70	64	70	72	72	60	80
45	122046	92	100	92	100	82	82	52	70

46	122047	70	70	70	80	50	50	50	50
47	122048	94	100	94	100	88	88	82	80
48	122049	80	100	80	100	76	76	54	70
49	122050	82	100	82	100	74	74	58	70
50	122051	74	100	74	100	78	78	50	80
51	122052	52	100	52	100	70	70	38	50
52	122053	72	100	72	100	92	92	82	80
53	122054	94	100	94	100	70	70	68	70
54	122101	A	100	A	100	66	66	62	70
55	122102	72	100	72	100	76	76	56	70
56	122103	86	100	86	100	94	94	78	50
57	122104	74	100	74	100	76	76	50	60
58	122105	82	100	82	100	58	58	50	50
59	122106	82	70	82	80	84	84	56	80
60	122107	94	100	94	100	84	84	84	80
61	122108	76	70	76	90	74	74	78	90
62	122109	90	100	90	100	76	76	70	80
63	122110	64	70	64	70	70	70	50	70
64	122111	86	100	86	100	80	80	52	70
65	122112	64	100	64	100	68	68	52	60
66	122113	82	100	82	100	80	80	68	80
67	122114	64	100	64	100	72	72	62	80
68	122115	68	100	68	100	60	60	94	70
69	122116	58	80	58	90	42	42	52	70
70	122117	90	100	90	100	70	70	82	80
71	122118	84	100	84	100	88	88	84	90
72	122119	70	100	70	80	70	70	30	70
73	122120	96	100	96	100	90	90	96	80
74	122122	78	70	78	70	68	68	A	0
75	122301	88	100	88	100	76	76	60	80
76	122302	84	100	84	100	86	86	92	80
77	122303	86	100	86	100	94	94	86	80
78	122304	96	100	96	100	82	82	78	90
79	122305	80	90	80	80	78	78	36	60
80	122306	66	80	66	90	74	74	50	50
81	122307	90	100	90	100	92	92	88	70
82	122308	94	70	94	80	68	68	70	60
83	122309	62	70	62	70	A	A	28	50
84	122310	82	100	82	100	52	52	70	70
85	122311	44	100	44	100	86	86	66	70
86	122312	94	100	94	100	84	84	66	70
87	122313	96	100	96	100	72	72	74	90
88	122314	70	100	70	100	70	70	56	60
89	122315	90	100	90	100	88	88	92	80
90	122316	72	100	72	100	74	74	40	70
91	132901	64	100	64	100	68	68	24	60
92	132902	58	100	58	100	74	74	50	60
93	132903	76	100	76	100	64	64	66	50
94	132904	54	70	54	80	52	52	34	70
95	132905	40	70	40	70	40	40	20	50

96	132906	64	80	64	80	70	70	4	0
97	132907	66	100	66	100	70	70	50	60
98	132908	86	100	86	100	62	62	56	80
99	132909	92	100	92	100	88	88	74	80
100	132910	98	70	98	80	82	82	74	80
101	132911	88	70	88	90	78	78	70	80
102	132912	64	80	64	80	68	68	64	80
103	132913	86	100	86	100	82	82	70	70
104	132914	70	100	70	100	50	50	62	70
105	132915	82	100	82	100	72	72	84	50
106	132916	96	100	96	100	62	62	70	60
107	132917	86	70	86	80	66	66	58	60
108	132918	68	100	68	100	74	74	88	70
109	132919	72	100	72	100	64	64	72	70
110	132920	86	100	86	100	88	88	86	50
111	132921	88	80	88	80	68	68	86	70
112	132922	84	100	84	100	66	66	88	50
113	132923	70	80	70	80	50	50	56	70
114	132924	76	70	76	70	66	66	58	70
115	132925	76	100	76	100	86	86	76	50
116	132926	90	100	90	100	98	98	96	80
117	132927	70	80	70	80	62	62	64	60
118	132928	74	100	74	100	54	54	40	70
119	132929	80	100	80	100	72	72	56	70
120	132930	84	100	84	100	66	66	50	70
121	132931	86	100	86	100	84	84	72	70
122	132932	64	100	64	100	60	60	50	70
123	132933	72	100	72	100	86	86	82	70
124	132934	74	100	74	100	76	76	60	60
125	132935	56	100	56	100	90	90	96	70
126	132936	92	70	92	80	72	72	86	80
127	132937	84	100	84	100	92	92	96	90
128	132938	50	100	50	90	52	52	70	60
129	132939	58	100	58	100	62	62	A	70
130	132940	50	100	50	100	90	90	92	70
131	132941	90	70	90	70	52	52	64	0
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		92.25	84.73	92.25	93.89	90	90	66.67	74.05
Level obtained		3	3	3	3	3	3	1	2

Survey:

Survey	C303.1	C303.2	C303.3	C2303.4	C303.5
Obtained Percentage	92.21	91.95	92.69	90.95	89.46
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	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C303.1	3	3	3	2	2.4	3	2.52
C303.2	3	3	3	2	2.4	3	2.52
C303.3	3	-	3	2	2.4	3	2.52
C303.4	3	-	3	2	2.4	3	2.52
C303.5	1	-	1	2	1.6	3	1.88
C303							**2.39**

C303.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C303.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C303.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C303.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C303.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C303 = \frac{C303.1 + C303.2 + C303.3 + C303.4 + C303.5}{5} = 2.39$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Control Systems C306
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C306.1		C306.2		C306.3	C306.4	C306.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	122001	28	90	28	90	50	50	62	50
2	122002	65	90	65	90	52	52	90	70
3	122003	95	90	95	90	62	62	96	80
4	122004	61	90	61	90	83	83	96	90
5	122005	74	100	74	100	84	84	96	80
6	122006	68	90	68	90	69	69	92	80
7	122007	52	80	52	80	68	68	96	90
8	122008	69	90	69	90	85	85	98	90
9	122009	100	90	100	90	84	84	96	100
10	122010	52	80	52	80	50	50	88	90
11	122011	94	90	94	90	72	72	94	100
12	122012	54	90	54	90	98	98	98	90
13	122013	100	90	100	90	72	72	96	90
14	122014	85	90	85	90	50	50	92	80
15	122015	35	90	35	90	50	50	54	60
16	122016	100	90	100	90	70	70	94	90
17	122017	50	90	50	90	80	80	96	90
18	122018	50	90	50	90	54	54	94	70
19	122019	68	90	68	90	86	86	98	90
20	122021	36	80	36	80	50	50	32	0
21	122022	83	90	83	90	52	52	98	90
22	122023	67	90	67	90	67	67	92	90
23	122024	88	90	88	90	83	83	94	100
24	122025	28	70	28	70	60	60	96	50
25	122026	70	100	70	100	98	98	98	90
26	122027	100	90	100	90	98	98	96	90
27	122028	82	80	82	80	50	50	84	70
28	122029	40	90	40	90	88	88	96	70
29	122030	54	80	54	80	50	50	96	70
30	122031	70	80	70	80	50	50	50	80
31	122032	80	90	80	90	96	96	96	80
32	122033	62	80	62	80	70	70	90	100
33	122034	70	80	70	80	72	72	74	70
34	122035	65	90	65	90	50	50	86	80
35	122036	50	100	50	100	98	98	98	80
36	122037	64	100	64	100	92	92	98	90
37	122038	53	70	53	70	32	32	60	60
38	122039	64	100	64	100	98	98	96	80
39	122040	91	90	91	90	72	72	92	70
40	122041	42	80	42	80	16	16	50	70
41	122042	0	80	0	80	58	58	90	70
42	122043	76	90	76	90	64	64	94	70
43	122044	33	90	33	90	50	50	78	50
44	122045	64	80	64	80	98	98	90	80
45	122046	75	90	75	90	52	52	50	70

46	122047	14	70	14	70	28	28	86	50
47	122048	50	100	50	100	62	62	96	60
48	122049	60	90	60	90	64	64	96	80
49	122050	50	80	50	80	60	60	72	70
50	122051	24	100	24	100	50	50	92	70
51	122052	28	70	28	70	62	62	98	50
52	122053	78	90	78	90	62	62	96	80
53	122054	43	90	43	90	60	60	70	50
54	122101	50	80	50	80	26	26	80	70
55	122102	52	90	52	90	50	50	84	90
56	122103	75	80	75	80	54	54	76	80
57	122104	54	90	54	90	70	70	86	100
58	122105	42	90	42	90	50	50	40	80
59	122106	34	80	34	80	90	90	96	70
60	122107	82	100	82	100	98	98	96	90
61	122108	50	100	50	100	60	60	96	80
62	122109	50	90	50	90	50	50	90	70
63	122110	58	90	58	90	52	52	96	60
64	122111	63	90	63	90	70	70	92	90
65	122112	38	80	38	80	66	66	94	50
66	122113	6	80	6	80	30	30	50	60
67	122114	68	90	68	90	52	52	60	50
68	122115	85	90	85	90	50	50	74	60
69	122116	30	90	30	90	24	24	70	50
70	122117	62	80	62	80	72	72	91	90
71	122118	60	80	60	80	56	56	50	70
72	122119	62	90	62	90	70	70	96	80
73	122120	82	90	82	90	75	75	90	100
74	122122	28	90	28	90	62	62	A	50
75	122301	64	100	64	100	92	92	96	80
76	122302	90	90	90	90	60	60	90	90
77	122303	100	90	100	90	80	80	98	100
78	122304	68	90	68	90	58	58	96	90
79	122305	38	80	38	80	18	18	74	50
80	122306	54	80	54	80	58	58	94	70
81	122307	80	90	80	90	50	50	96	70
82	122308	52	100	52	100	56	56	96	50
83	122309	50	90	50	90	52	52	96	70
84	122310	74	90	74	90	50	50	84	70
85	122311	A	90	A	90	A	A	10	0
86	122312	50	90	50	90	91	91	76	80
87	122313	54	90	54	90	52	52	66	80
88	122314	58	80	58	80	70	70	92	70
89	122315	65	90	65	90	58	58	50	70
90	122316	56	90	56	90	61	61	90	70
91	132901	22	90	22	90	10	10	34	50
92	132902	27	80	27	80	4	4	50	60
93	132903	10	90	10	90	12	12	26	50
94	132904	12	70	12	70	24	24	70	50
95	132905	4	80	4	80	20	20	14	0

96	132906	14	70	14	70	25	25	32	0
97	132907	18	90	18	90	50	50	90	60
98	132908	24	80	24	80	56	56	96	80
99	132909	67	90	67	90	52	52	90	90
100	132910	77	90	77	90	90	90	92	90
101	132911	50	90	50	90	92	92	96	70
102	132912	33	80	33	80	26	26	60	60
103	132913	30	90	30	90	58	58	54	50
104	132914	50	90	50	90	68	68	96	50
105	132915	28	80	28	80	60	60	96	90
106	132916	31	90	31	90	2	2	60	50
107	132917	2	80	2	80	32	32	70	60
108	132918	18	90	18	90	12	12	36	70
109	132919	24	80	24	80	50	50	96	70
110	132920	75	90	75	90	54	54	94	80
111	132921	28	80	28	80	24	24	84	50
112	132922	20	90	20	90	16	16	64	70
113	132923	50	80	50	80	90	90	96	50
114	132924	21	80	21	80	36	36	50	50
115	132925	32	90	32	90	0	0	44	90
116	132926	82	80	82	80	50	50	92	90
117	132927	50	90	50	90	18	18	64	70
118	132928	24	80	24	80	28	28	96	80
119	132929	34	100	34	100	66	66	96	70
120	132930	26	80	26	80	70	70	92	70
121	132931	26	80	26	80	28	28	76	70
122	132932	42	80	42	80	50	50	96	50
123	132933	66	90	66	90	6	6	92	70
124	132934	30	90	30	90	18	18	70	70
125	132935	38	90	38	90	10	10	26	70
126	132936	50	90	50	90	66	66	92	80
127	132937	60	-	60	-	50	50	90	60
128	132938	50	90	50	90	28	28	70	50
129	132939	35	90	35	90	50	50	A	70
130	132940	42	80	42	80	52	52	54	60
131	132941	57	90	57	90	52	52	70	90
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		40.77	94.66	40.77	82.44	**44.62**	44.62	88.72	70.23
Level obtained		0	3	0	3	0	0	3	2

Survey:

Survey	**C306.1**	**C306.2**	**C306.3**	**C306.4**	**C306.5**
Obtained Percentage	95.98	93.21	96.05	96.39	94.60
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	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C306.1	0	3	0.9	2	1.56	3	1.85
C306.2	0	3	0.9	2	1.56	3	1.85
C306.3	0	-	0	2	1.2	3	1.56
C306.4	0	-	0	2	1.2	3	1.56
C306.5	3	-	3	2	2.4	3	2.52
C303							**1.87**

C306.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C306.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C306.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C306.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C306.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C306 = \frac{C306.1 + C306.2 + C306.3 + C306.4 + C306.5}{5} = 1.87$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	122001	56	80	56	100	15	15	91	60
2	122002	78	90	78	90	90	90	88	70
3	122003	99	80	99	80	98	98	99	90
4	122004	82	100	82	100	90	90	99	60
5	122005	96	90	96	80	94	94	96	70
6	122006	79	100	79	100	63	63	96	60
7	122007	94	70	94	0	72	72	96	60
8	122008	69	100	69	100	70	70	98	70
9	122009	99	100	99	90	98	98	99	90
10	122010	72	100	72	100	50	50	99	60
11	122011	90	100	90	80	97	97	99	80
12	122012	96	90	96	0	96	96	90	90
13	122013	92	100	92	90	98	98	99	90
14	122014	86	90	86	80	70	70	90	70
15	122015	56	90	56	100	29	29	90	50
16	122016	90	100	90	90	85	85	92	60
17	122017	80	90	80	70	62	62	68	50
18	122018	90	100	90	80	90	90	92	70
19	122019	94	90	94	80	96	96	96	80
20	122021	55	80	55	100	18	18	86	50
21	122022	86	100	86	100	92	92	98	80
22	122023	83	100	83	100	95	95	99	60
23	122024	88	90	88	100	94	94	99	90
24	122025	70	80	70	0	26	26	24	60
25	122026	98	0	98	80	90	90	96	70
26	122027	95	100	95	80	98	98	99	100
27	122028	60	90	60	80	40	40	80	50
28	122029	92	80	92	70	82	82	40	70
29	122030	82	0	82	70	64	64	88	60
30	122031	66	90	66	70	30	30	38	70
31	122032	98	100	98	80	60	60	94	60
32	122033	67	90	67	100	80	80	97	90
33	122034	80	90	80	100	85	85	99	80
34	122035	80	90	80	80	95	95	72	60
35	122036	96	90	96	80	98	98	96	90
36	122037	80	90	80	80	90	90	80	70
37	122038	66	70	66	100	64	64	93	70
38	122039	88	90	88	80	94	94	96	90
39	122040	95	100	95	100	91	91	98	90
40	122041	57	0	57	100	50	50	90	50
41	122042	A	80	A	70	98	98	92	60
42	122043	90	100	90	90	80	80	94	60
43	122044	54	100	54	100	60	60	91	50
44	122045	72	80	72	70	34	34	92	70
45	122046	82	100	82	90	50	50	64	50

46	122047	64	90	64	0	50	50	40	70
47	122048	96	90	96	80	84	84	96	60
48	122049	88	90	88	80	52	52	80	70
49	122050	61	100	61	100	83	83	91	70
50	122051	78	90	78	70	66	66	60	70
51	122052	70	90	70	80	50	50	92	70
52	122053	80	90	80	80	80	80	86	70
53	122054	67	80	67	100	30	30	99	70
54	122101	61	60	61	100	25	25	91	70
55	122102	78	100	78	100	51	51	90	60
56	122103	90	90	90	70	55	55	90	80
57	122104	69	100	69	100	50	50	92	70
58	122105	51	70	51	100	44	44	91	60
59	122106	82	80	82	70	64	64	96	60
60	122107	98	90	98	0	80	80	86	70
61	122108	72	90	72	80	62	62	80	50
62	122109	68	100	68	100	76	76	91	70
63	122110	96	80	96	80	76	76	80	50
64	122111	90	100	90	70	60	60	50	50
65	122112	60	80	60	80	64	64	42	50
66	122113	30	100	30	80	55	55	30	70
67	122114	85	90	85	80	66	66	74	70
68	122115	80	90	80	70	75	75	50	70
69	122116	50	90	50	100	24	24	86	70
70	122117	77	100	77	100	67	67	98	90
71	122118	84	100	84	90	24	24	24	70
72	122119	66	80	66	70	A	A	56	50
73	122120	90	100	90	80	98	98	96	90
74	122122	62	80	62	60	60	60	A	0
75	122301	76	90	76	90	74	74	90	80
76	122302	72	90	72	70	72	72	92	50
77	122303	90	100	90	80	95	95	99	80
78	122304	77	70	77	100	94	94	94	70
79	122305	76	0	76	100	A	A	90	70
80	122306	60	80	60	70	20	20	20	50
81	122307	98	100	98	90	74	74	90	80
82	122308	66	80	66	70	72	72	88	70
83	122309	50	0	50	80	6	6	A	50
84	122310	80	90	80	70	A	A	84	60
85	122311	40	80	40	70	A	A	40	50
86	122312	76	100	76	100	80	80	98	70
87	122313	74	90	74	100	65	65	91	80
88	122314	64	80	64	80	60	60	60	50
89	122315	16	80	16	70	50	50	64	70
90	122316	55	60	55	100	83	83	93	80
91	132901	64	90	64	60	30	30	16	70
92	132902	55	100	55	100	65	65	90	70
93	132903	74	90	74	70	60	60	16	50
94	132904	28	80	28	80	30	30	28	50
95	132905	40	90	40	100	18	18	90	70

96	132906	62	70	62	100	20	20	91	50
97	132907	64	80	64	70	84	84	68	70
98	132908	72	80	72	80	70	70	96	70
99	132909	81	100	81	100	81	81	97	60
100	132910	93	100	93	100	100	100	91	80
101	132911	68	80	68	80	92	92	80	70
102	132912	64	60	64	100	64	64	91	70
103	132913	80	90	80	80	72	72	60	50
104	132914	86	80	86	70	62	62	96	70
105	132915	64	80	64	70	70	70	92	50
106	132916	70	100	70	100	68	68	92	80
107	132917	65	90	65	100	32	32	86	0
108	132918	66	90	66	70	22	22	84	70
109	132919	80	80	80	80	94	94	96	60
110	132920	86	90	86	80	82	82	86	70
111	132921	62	80	62	0	A	A	68	50
112	132922	50	100	50	100	60	60	91	80
113	132923	52	80	52	70	64	64	40	60
114	132924	43	100	43	100	14	14	90	50
115	132925	50	80	50	70	A	A	50	50
116	132926	90	100	90	90	98	98	99	60
117	132927	76	100	76	100	83	83	90	60
118	132928	50	80	50	80	70	70	88	50
119	132929	90	90	90	80	60	60	96	90
120	132930	54	80	54	70	84	84	92	80
121	132931	92	100	92	70	60	60	90	0
122	132932	74	80	74	60	56	56	80	60
123	132933	78	90	78	70	60	60	70	50
124	132934	52	90	52	80	60	60	72	70
125	132935	90	100	90	80	40	40	70	70
126	132936	94	90	94	50	66	66	96	80
127	132937	80	90	80	70	80	80	84	90
128	132938	57	70	57	100	22	22	90	60
129	132939	72	70	72	100	16	16	92	50
130	132940	38	80	38	70	68	68	80	70
131	132941	74	100	74	100	26	26	92	0
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		81.54	88.55	81.54	69.47	70.4	70.4	86.82	56.49
Level obtained		3	3	3	1	2	2	3	0

Survey:

Survey	C206.1	C206.2	C206.3	C206.4	C206.5
Obtained Percentage	95.46	94.04	93.78	92.805	90.91
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	3	3	3	0	1.2	3	1.56
C206.2	3	1	2.4	0	0.96	3	1.368
C206.3	2	-	2	0	0.8	3	1.24
C206.4	2	-	2	0	0.8	3	1.24
C206.5	3	-	3	0	1.2	3	1.56
C206							**1.393**

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

$$C206 = \frac{C206.1 + C206.2 + C206.3 + C206.4 + C206.5}{5} = 1.39$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: 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	A2	CIT-2	CIT-2	CIT-3	
1	122001	50	100	50	100	58	58	54	60
2	122002	50	90	50	0	82	82	62	70
3	122003	92	100	92	0	99	99	96	80
4	122004	79	100	79	90	93	93	92	80
5	122005	94	100	94	0	96	96	100	70
6	122006	74	100	74	90	78	78	94	70
7	122007	86	90	86	0	96	96	86	100
8	122008	94	100	94	100	100	100	94	80
9	122009	96	100	96	0	100	100	88	80
10	122010	82	90	82	90	75	75	84	80
11	122011	96	100	96	0	90	90	76	80
12	122012	82	90	82	0	82	82	100	90
13	122013	94	100	94	0	96	96	92	60
14	122014	80	100	80	0	86	86	24	50
15	122015	58	100	58	100	70	70	52	80
16	122016	86	90	86	0	92	92	66	70
17	122017	38	90	38	0	62	62	32	0
18	122018	60	90	60	0	82	82	82	50
19	122019	82	90	82	0	98	98	90	90
20	122021	52	100	52	100	60	60	50	50
21	122022	100	100	100	100	100	100	98	80
22	122023	70	100	70	100	90	90	96	70
23	122024	93	100	93	100	91	91	92	70
24	122025	76	90	76	0	30	30	26	50
25	122026	74	90	74	0	76	76	100	80
26	122027	100	100	100	0	100	100	94	80
27	122028	62	90	62	0	50	50	84	60
28	122029	92	90	92	0	78	78	50	70
29	122030	52	90	52	0	98	98	64	70
30	122031	56	90	56	0	36	36	8	60
31	122032	98	90	98	0	82	82	76	80
32	122033	76	100	76	90	90	90	85	80
33	122034	78	100	78	100	88	88	64	70
34	122035	50	90	50	0	60	60	50	50
35	122036	94	100	94	0	96	96	100	80
36	122037	94	100	94	0	78	78	98	80
37	122038	50	100	50	100	58	58	36	70
38	122039	82	100	82	0	84	84	96	90
39	122040	71	90	71	100	87	87	70	70
40	122041	24	100	24	100	38	38	4	70
41	122042	A	90	A	0	58	58	96	60
42	122043	72	90	72	0	74	74	88	50
43	122044	60	90	60	90	76	76	86	50
44	122045	54	90	54	0	90	90	70	50
45	122046	68	90	68	0	50	50	76	50

46	122047	50	90	50	0	42	42	26	0
47	122048	58	90	58	0	78	78	86	50
48	122049	58	100	58	0	52	52	99	50
49	122050	78	90	78	90	54	54	78	70
50	122051	76	100	76	0	66	66	82	60
51	122052	60	90	60	0	94	94	86	50
52	122053	64	100	64	0	92	92	94	70
53	122054	68	90	68	100	64	64	50	60
54	122101	60	100	60	100	56	56	64	70
55	122102	70	90	70	90	74	74	58	70
56	122103	64	90	64	0	84	84	96	50
57	122104	58	90	58	100	71	71	54	70
58	122105	68	100	68	100	50	50	50	70
59	122106	30	100	30	0	54	54	50	60
60	122107	88	100	88	0	98	98	100	80
61	122108	24	90	24	0	84	84	68	70
62	122109	68	90	68	90	68	68	92	80
63	122110	90	100	90	0	86	86	62	80
64	122111	70	90	70	0	54	54	52	50
65	122112	42	90	42	0	44	44	56	50
66	122113	46	90	46	0	24	24	12	70
67	122114	72	100	72	0	52	52	64	50
68	122115	66	90	66	0	56	56	64	50
69	122116	54	100	54	100	80	80	54	70
70	122117	70	100	70	100	90	90	62	80
71	122118	50	90	50	0	42	42	2	50
72	122119	54	90	54	0	50	50	88	50
73	122120	88	100	88	0	96	96	88	80
74	122122	78	90	78	0	50	50	A	50
75	122301	88	100	88	0	88	88	92	90
76	122302	66	100	66	0	90	90	92	60
77	122303	86	100	86	0	98	98	88	70
78	122304	75	90	75	80	A	A	88	70
79	122305	60	100	60	100	A	A	66	70
80	122306	60	90	60	0	40	40	50	50
81	122307	94	90	94	0	98	98	98	50
82	122308	50	90	50	0	66	66	76	70
83	122309	A	90	A	0	18	18	A	50
84	122310	68	90	68	0	60	60	60	50
85	122311	0	90	0	0	A	A	72	0
86	122312	78	100	78	90	90	90	90	90
87	122313	58	90	58	100	74	74	54	80
88	122314	50	90	50	0	88	88	62	50
89	122315	26	100	26	0	50	50	24	50
90	122316	62	100	62	100	80	80	84	70
91	132901	24	90	24	0	50	50	2	50
92	132902	24	100	24	100	74	74	60	50
93	132903	18	100	18	0	44	44	44	50
94	132904	22	90	22	0	22	22	0	50
95	132905	30	100	30	100	26	26	38	0

96	132906	50	100	50	100	34	34	78	50
97	132907	20	100	20	0	60	60	54	50
98	132908	74	100	74	0	94	94	32	80
99	132909	66	90	66	80	70	70	70	90
100	132910	85	100	85	100	100	100	80	90
101	132911	86	100	86	0	86	86	64	80
102	132912	53	100	53	90	64	64	50	60
103	132913	82	90	82	0	44	44	50	50
104	132914	72	100	72	0	71	71	70	80
105	132915	72	90	72	0	78	78	64	70
106	132916	50	100	50	90	54	54	32	70
107	132917	54	90	54	90	52	52	60	50
108	132918	54	90	54	0	36	36	68	60
109	132919	70	100	70	0	72	72	50	60
110	132920	72	100	72	0	54	54	50	50
111	132921	74	90	74	0	22	22	8	50
112	132922	53	100	53	80	64	64	90	70
113	132923	60	90	60	0	100	100	80	50
114	132924	78	100	78	100	52	52	64	70
115	132925	50	100	50	0	A	A	56	60
116	132926	86	100	86	0	81	81	98	70
117	132927	50	90	50	100	54	54	64	50
118	132928	62	90	62	0	82	82	72	90
119	132929	70	100	70	0	54	54	64	60
120	132930	60	90	60	0	74	74	A	50
121	132931	70	100	70	0	20	20	52	50
122	132932	78	90	78	0	26	26	68	60
123	132933	50	90	50	0	64	64	80	50
124	132934	50	90	50	0	36	36	68	50
125	132935	62	100	62	0	68	68	72	50
126	132936	84	100	84	0	90	90	60	80
127	132937	72	100	72	0	78	78	100	80
128	132938	36	90	36	90	62	62	66	50
129	132939	63	90	63	90	26	26	A	60
130	132940	54	100	54	0	84	84	92	90
131	132941	78	100	78	90	80	80	76	60
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		65.12	100	65.12	33.39	66.14	66.14	69.29	50.38
Level obtained		1	3	1	0	1	1	1	0

Survey:

Survey	C202.1	C202.2	C202.3	C202.4	C202.5
Obtained Percentage	95.117	91.0933	92.496	91.348	88.028
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	**1.112**
C202.2	1	0	**0.7**	0	**0.28**	3	**0.824**
C202.3	1	-	**1**	0	**0.4**	3	**0.92**
C202.4	1	-	**1**	0	**0.4**	3	**0.92**
C202.5	1	-	**1**	0	**0.4**	3	**0.92**
C202							**0.9392**

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*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C202.3 = 0.8*[{0.4*Internal Test} + {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

$$C202 = \frac{C202.1 + C202.2 + C202.3 + C202.4 + C202.5}{5} = 0.94$$

KLNCE/B.E - EEE – 2012-2016 Batch – Control Systems Lab Course: C307CS
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/Model Exam/AU marks

S.NO.	ROLL NO	CO 307CS.1	CO 307CS.2	CO 307CS.3	CO 307CS.4	CO 307CS.5	AU Exam
		Model Exam	Model Exam	Model Exam	Model Exam	Model Exam	
1	122001	80	80	80	80	80	80
2	122002	99	99	99	99	99	90
3	122003	99	99	99	99	99	100
4	122004	92	92	92	92	92	90
5	122005	94	94	94	94	94	90
6	122006	99	99	99	99	99	100
7	122007	92	92	92	92	92	100
8	122008	96	96	96	96	96	100
9	122009	99	99	99	99	99	100
10	122010	95	95	95	95	95	100
11	122011	99	99	99	99	99	100
12	122012	98	98	98	98	98	100
13	122013	99	99	99	99	99	100
14	122014	99	99	99	99	99	100
15	122015	86	86	86	86	86	80
16	122016	99	99	99	99	99	100
17	122017	92	92	92	92	92	90
18	122018	98	98	98	98	98	100
19	122019	92	92	92	92	92	100
20	122021	78	78	78	78	78	90
21	122022	95	95	95	95	95	90
22	122023	99	99	99	99	99	100
23	122024	98	98	98	98	98	100
24	122025	96	96	96	96	96	90
25	122026	98	98	98	98	98	100
26	122027	99	99	99	99	99	100
27	122028	96	96	96	96	96	90
28	122029	94	94	94	94	94	100
29	122030	92	92	92	92	92	90
30	122031	85	85	85	85	85	90
31	122032	99	99	99	99	99	100
32	122033	97	97	97	97	97	100
33	122034	99	99	99	99	99	100
34	122035	99	99	99	99	99	90
35	122036	96	96	96	96	96	100
36	122037	96	96	96	96	96	100
37	122038	92	92	92	92	92	70

38	122039	96	96	96	96	96	100
39	122040	92	92	92	92	92	100
40	122041	A	A	A	A	A	70
41	122042	96	96	96	96	96	80
42	122043	99	99	99	99	99	100
43	122044	80	80	80	80	80	80
44	122045	94	94	94	94	94	90
45	122046	98	98	98	98	98	80
46	122047	94	94	94	94	94	70
47	122048	90	90	90	90	90	90
48	122049	92	92	92	92	92	100
49	122050	95	95	95	95	95	90
50	122051	94	94	94	94	94	90
51	122052	96	96	96	96	96	90
52	122053	98	98	98	98	98	90
53	122054	90	90	90	90	90	80
54	122101	86	86	86	86	86	90
55	122102	91	91	91	91	91	90
56	122103	99	99	99	99	99	100
57	122104	92	92	92	92	92	100
58	122105	87	87	87	87	87	70
59	122106	92	92	92	92	92	90
60	122107	96	96	96	96	96	100
61	122108	92	92	92	92	92	100
62	122109	94	94	94	94	94	100
63	122110	90	90	90	90	90	90
64	122111	99	99	99	99	99	100
65	122112	92	92	92	92	92	90
66	122113	92	92	92	92	92	70
67	122114	97	97	97	97	97	90
68	122115	93	93	93	93	93	80
69	122116	77	77	77	77	77	80
70	122117	90	90	90	90	90	100
71	122118	80	80	80	80	80	70
72	122119	98	98	98	98	98	90
73	122120	99	99	99	99	99	90
74	122122	A	A	A	A	A	0
75	122301	96	96	96	96	96	100
76	122302	99	99	99	99	99	100
77	122303	99	99	99	99	99	100
78	122304	95	95	95	95	95	90
79	122305	91	91	91	91	91	70
80	122306	92	92	92	92	92	80
81	122307	99	99	99	99	99	100

82	122308	90	90	90	90	90	90
83	122309	90	90	90	90	90	90
84	122310	97	97	97	97	97	100
85	122311	75	75	75	75	75	0
86	122312	99	99	99	99	99	90
87	122313	93	93	93	93	93	70
88	122314	94	94	94	94	94	90
89	122315	99	99	99	99	99	70
90	122316	92	92	92	92	92	90
91	132923	98	98	98	98	98	90
92	132932	96	96	96	96	96	0
93	132904	96	96	96	96	96	0
94	132921	96	96	96	96	96	60
95	132928	96	96	96	96	96	0
96	132908	94	94	94	94	94	0
97	132907	92	92	92	92	92	90
98	132936	92	92	92	92	92	90
99	132915	92	92	92	92	92	100
100	132929	92	92	92	92	92	100
101	132911	98	98	98	98	98	100
102	132914	98	98	98	98	98	80
103	132919	92	92	92	92	92	80
104	132930	92	92	92	92	92	90
105	132927	81	81	81	81	81	90
106	132910	97	97	97	97	97	0
107	132941	83	83	83	83	83	90
108	132922	91	91	91	91	91	0
109	132938	78	78	78	78	78	70
110	132912	78	78	78	78	78	90
111	132906	79	79	79	79	79	90
112	132939	77	77	77	77	77	90
113	132917	91	91	91	91	91	100
114	132909	99	99	99	99	99	90
115	132924	85	85	85	85	85	0
116	132905	77	77	77	77	77	100
117	132916	92	92	92	92	92	80
118	132902	81	81	81	81	81	90
119	132937	92	92	92	92	92	90
120	132940	94	94	94	94	94	90
121	132926	95	95	95	95	95	0
122	132925	91	91	91	91	91	90
123	132903	90	90	90	90	90	90
124	132931	96	96	96	96	96	70
125	132933	98	98	98	98	98	70

126	132918	99	99	99	99	99	100
127	132901	80	80	80	80	80	90
128	132920	96	96	96	96	96	80
129	132935	96	96	96	96	96	90
130	132913	94	94	94	94	94	80
131	132934	97	97	97	97	97	90
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		93.8	93.8	93.8	93.8	93.8	71.76
Level Obtained		3	3	3	3	3	2

Survey:

Survey	**C307CS.1**	**C307CS.2**	**C307CS.3**	**C307CS.4**	**C307CS.5**
Obtained Percentage	94.55	95.27	94.52	94.86	93.75
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 – C307CS:

Course	**M(IA)**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C307CS.1	3	2	2.4	3	2.52
C307CS.2	3	2	2.4	3	2.52
C307CS.3	3	2	2.4	3	2.52
C307CS.4	3	2	2.4	3	2.52
C307CS.5	3	2	2.4	3	2.52
C307CS					**2.52**

C2307CS.1= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C307CS.2= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C307CS.3= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C307CS.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C307CS.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

$$C307CS = \frac{C307CS.1 + C307CS.2 + C307CS.3 + C307CS.4 + C307CS.5}{5} = 2.52$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: LIC LAB C208
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/Model Exam/AU marks

S.NO.	ROLL NO	CO 208.1	CO 208.2	CO 208.3	CO 208.4	CO 208.5	AU Exam
		Model Exam	Model Exam	Model Exam	Model Exam	Model Exam	
1	122001	94	94	94	94	94	90
2	122002	98	98	98	98	98	100
3	122003	99	99	99	99	99	100
4	122004	98	98	98	98	98	90
5	122005	99	99	99	99	99	100
6	122006	93	93	93	93	93	100
7	122007	99	99	99	99	99	90
8	122008	99	99	99	99	99	100
9	122009	99	99	99	99	99	100
10	122010	93	93	93	93	93	100
11	122011	99	99	99	99	99	100
12	122012	99	99	99	99	99	100
13	122013	99	99	99	99	99	100
14	122014	90	90	90	90	90	100
15	122015	72	72	72	72	72	100
16	122016	89	89	89	89	89	90
17	122017	85	85	85	85	85	80
18	122018	90	90	90	90	90	100
19	122019	99	99	99	99	99	100
20	122021	75	75	75	75	75	80
21	122022	99	99	99	99	99	100
22	122023	97	97	97	97	97	100
23	122024	99	99	99	99	99	100
24	122025	85	85	85	85	85	90
25	122026	99	99	99	99	99	100
26	122027	99	99	99	99	99	100
27	122028	90	90	90	90	90	80
28	122029	99	99	99	99	99	90
29	122030	99	99	99	99	99	100
30	122031	87	87	87	87	87	80
31	122032	99	99	99	99	99	100
32	122033	98	98	98	98	98	100
33	122034	98	98	98	98	98	100
34	122035	90	90	90	90	90	80
35	122036	99	99	99	99	99	100
36	122037	99	99	99	99	99	100
37	122038	92	92	92	92	92	90

38	122039	99	99	99	99	99	90
39	122040	92	92	92	92	92	90
40	122041	94	94	94	94	94	90
41	122042	89	89	89	89	89	80
42	122043	95	95	95	95	95	90
43	122044	84	84	84	84	84	90
44	122045	90	90	90	90	90	100
45	122046	95	95	95	95	95	100
46	122047	90	90	90	90	90	90
47	122048	99	99	99	99	99	90
48	122049	99	99	99	99	99	100
49	122050	91	91	91	91	91	90
50	122051	98	98	98	98	98	90
51	122052	99	99	99	99	99	100
52	122053	93	93	93	93	93	100
53	122054	92	92	92	92	92	90
54	122101	93	93	93	93	93	100
55	122102	89	89	89	89	89	80
56	122103	95	95	95	95	95	90
57	122104	91	91	91	91	91	100
58	122105	92	92	92	92	92	90
59	122106	92	92	92	92	92	90
60	122107	99	99	99	99	99	100
61	122108	99	99	99	99	99	100
62	122109	91	91	91	91	91	100
63	122110	95	95	95	95	95	100
64	122111	95	95	95	95	95	90
65	122112	89	89	89	89	89	80
66	122113	87	87	87	87	87	80
67	122114	94	94	94	94	94	90
68	122115	89	89	89	89	89	90
69	122116	75	75	75	75	75	90
70	122117	98	98	98	98	98	100
71	122118	88	88	88	88	88	90
72	122119	96	96	96	96	96	90
73	122120	98	98	98	98	98	100
74	122122	92	92	92	92	92	0
75	122301	99	99	99	99	99	100
76	122302	90	90	90	90	90	90
77	122303	99	99	99	99	99	100
78	122304	93	93	93	93	93	100
79	122305	92	92	92	92	92	100
80	122306	89	89	89	89	89	100
81	122307	99	99	99	99	99	100

82	122308	95	95	95	95	95	90
83	122309	85	85	85	85	85	90
84	122310	85	85	85	85	85	90
85	122311	75	75	75	75	75	80
86	122312	93	93	93	93	93	80
87	122313	91	91	91	91	91	100
88	122314	95	95	95	95	95	90
89	122315	87	87	87	87	87	80
90	122316	97	97	97	97	97	100
91	132901	80	80	80	80	80	100
92	132902	82	82	82	82	82	80
93	132903	85	85	85	85	85	100
94	132904	85	85	85	85	85	80
95	132905	85	85	85	85	85	90
96	132906	72	72	72	72	72	90
97	132907	85	85	85	85	85	90
98	132908	85	85	85	85	85	100
99	132909	98	98	98	98	98	100
100	132910	99	99	99	99	99	100
101	132911	90	90	90	90	90	100
102	132912	91	91	91	91	91	100
103	132913	90	90	90	90	90	100
104	132914	90	90	90	90	90	100
105	132915	90	90	90	90	90	100
106	132916	86	86	86	86	86	90
107	132917	86	86	86	86	86	90
108	132918	83	83	83	83	83	90
109	132919	95	95	95	95	95	100
110	132920	90	90	90	90	90	100
111	132921	85	85	85	85	85	90
112	132922	85	85	85	85	85	90
113	132923	99	99	99	99	99	90
114	132924	92	92	92	92	92	100
115	132925	99	99	99	99	99	90
116	132926	99	99	99	99	99	100
117	132927	88	88	88	88	88	90
118	132928	90	90	90	90	90	100
119	132929	90	90	90	90	90	100
120	132930	90	90	90	90	90	90
121	132931	95	95	95	95	95	100
122	132932	90	90	90	90	90	100
123	132933	95	95	95	95	95	90
124	132934	90	90	90	90	90	90
125	132935	90	90	90	90	90	100

126	132936	**95**	**95**	**95**	**95**	**95**	100
127	132937	**90**	**90**	**90**	**90**	**90**	100
128	132938	**85**	**85**	**85**	**85**	**85**	90
129	132939	**94**	**94**	**94**	**94**	**94**	100
130	132940	**90**	**90**	**90**	**90**	**90**	100
131	132941	**91**	**91**	**91**	**91**	**91**	100
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		96.18	96.18	96.18	96.18	96.18	88.55
Level Obtained		3	3	3	3	3	3

Survey:

Survey	**C208.1**	**C208.2**	**C208.3**	**C208.4**	**C208.5**
Obtained Percentage	96.06	92.29	93.79	92.75	92.09
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)**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C208.1	3	3	3	3	3
C208.2	3	3	3	3	3
C208.3	3	3	3	3	3
C208.4	3	3	3	3	3
C208.5	3	3	3	3	3
C208					**3**

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

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

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

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

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

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

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Electrical Machines Lab - I - C216
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/Model Exam/AU marks

S.NO.	ROLL NO	CO 216.1	CO 216.2	CO 216.3	CO 216.4	CO 216.5	AU Exam
		Model Exam	Model Exam	Model Exam	Model Exam	Model Exam	
1	122001	**76**	**76**	**76**	**76**	**76**	80
2	122002	85	85	85	85	85	90
3	122003	**94**	**94**	**94**	**94**	**94**	100
4	122004	**84**	**84**	**84**	**84**	**84**	100
5	122005	**98**	**98**	**98**	**98**	**98**	90
6	122006	**82**	**82**	**82**	**82**	**82**	100
7	122007	**97**	**97**	**97**	**97**	**97**	90
8	122008	**70**	**70**	**70**	**70**	**70**	100
9	122009	**94**	**94**	**94**	**94**	**94**	100
10	122010	**82**	**82**	**82**	**82**	**82**	100
11	122011	**65**	**65**	**65**	**65**	**65**	100
12	122012	**99**	**99**	**99**	**99**	**99**	100
13	122013	**89**	**89**	**89**	**89**	**89**	100
14	122014	**50**	**50**	**50**	**50**	**50**	90
15	122015	**80**	**80**	**80**	**80**	**80**	0
16	122016	**95**	**95**	**95**	**95**	**95**	90
17	122017	**88**	**88**	**88**	**88**	**88**	100
18	122018	94	94	94	94	94	90
19	122019	**99**	**99**	**99**	**99**	**99**	100
20	122021	**0**	**0**	**0**	**0**	**0**	70
21	122022	**82**	**82**	**82**	**82**	**82**	100
22	122023	**80**	**80**	**80**	**80**	**80**	100
23	122024	**84**	**84**	**84**	**84**	**84**	100
24	122025	**84**	**84**	**84**	**84**	**84**	70
25	122026	**99**	**99**	**99**	**99**	**99**	100
26	122027	95	95	95	95	95	90
27	122028	**70**	**70**	**70**	**70**	**70**	70
28	122029	**96**	**96**	**96**	**96**	**96**	100
29	122030	**95**	**95**	**95**	**95**	**95**	90
30	122031	**94**	**94**	**94**	**94**	**94**	70
31	122032	89	89	89	89	89	90
32	122033	**84**	**84**	**84**	**84**	**84**	100
33	122034	**80**	**80**	**80**	**80**	**80**	100
34	122035	**70**	**70**	**70**	**70**	**70**	70
35	122036	**92**	**92**	**92**	**92**	**92**	90
36	122037	**95**	**95**	**95**	**95**	**95**	100
37	122038	**82**	**82**	**82**	**82**	**82**	90

38	122039	**97**	**97**	**97**	**97**	**97**	100
39	122040	**70**	**70**	**70**	**70**	**70**	100
40	122041	**A**	**A**	**A**	**A**	**A**	0
41	122042	**60**	**60**	**60**	**60**	**60**	80
42	122043	90	90	90	90	90	70
43	122044	**84**	**84**	**84**	**84**	**84**	80
44	122045	**98**	**98**	**98**	**98**	**98**	100
45	122046	**91**	**91**	**91**	**91**	**91**	100
46	122047	**78**	**78**	**78**	**78**	**78**	70
47	122048	**95**	**95**	**95**	**95**	**95**	90
48	122049	**99**	**99**	**99**	**99**	**99**	100
49	122050	**82**	**82**	**82**	**82**	**82**	90
50	122051	**86**	**86**	**86**	**86**	**86**	90
51	122052	**93**	**93**	**93**	**93**	**93**	80
52	122053	**89**	**89**	**89**	**89**	**89**	90
53	122054	**74**	**74**	**74**	**74**	**74**	90
54	122101	**82**	**82**	**82**	**82**	**82**	100
55	122102	**72**	**72**	**72**	**72**	**72**	100
56	122103	**85**	**85**	**85**	**85**	**85**	70
57	122104	**74**	**74**	**74**	**74**	**74**	100
58	122105	**84**	**84**	**84**	**84**	**84**	100
59	122106	**90**	**90**	**90**	**90**	**90**	90
60	122107	**99**	**99**	**99**	**99**	**99**	100
61	122108	**92**	**92**	**92**	**92**	**92**	90
62	122109	**74**	**74**	**74**	**74**	**74**	90
63	122110	**92**	**92**	**92**	**92**	**92**	70
64	122111	90	90	90	90	90	90
65	122112	**85**	**85**	**85**	**85**	**85**	90
66	122113	**50**	**50**	**50**	**50**	**50**	60
67	122114	**88**	**88**	**88**	**88**	**88**	90
68	122115	**75**	**75**	**75**	**75**	**75**	100
69	122116	**72**	**72**	**72**	**72**	**72**	90
70	122117	**78**	**78**	**78**	**78**	**78**	100
71	122118	89	89	89	89	89	90
72	122119	**90**	**90**	**90**	**90**	**90**	100
73	122120	**93**	**93**	**93**	**93**	**93**	100
74	122122	**93**	**93**	**93**	**93**	**93**	0
75	122301	**95**	**95**	**95**	**95**	**95**	90
76	122302	**78**	**78**	**78**	**78**	**78**	90
77	122303	**95**	**95**	**95**	**95**	**95**	90
78	122304	**84**	**84**	**84**	**84**	**84**	70
79	122305	**78**	**78**	**78**	**78**	**78**	90
80	122306	**85**	**85**	**85**	**85**	**85**	80
81	122307	**98**	**98**	**98**	**98**	**98**	100

82	122308	**96**	**96**	**96**	**96**	**96**	100
83	122309	**80**	**80**	**80**	**80**	**80**	80
84	122310	**92**	**92**	**92**	**92**	**92**	90
85	122311	88	88	88	88	88	0
86	122312	**84**	**84**	**84**	**84**	**84**	90
87	122313	**72**	**72**	**72**	**72**	**72**	0
88	122314	**88**	**88**	**88**	**88**	**88**	90
89	122315	**50**	**50**	**50**	**50**	**50**	70
90	122316	**84**	**84**	**84**	**84**	**84**	100
91	132901	**90**	**90**	**90**	**90**	**90**	70
92	132902	**78**	**78**	**78**	**78**	**78**	100
93	132903	**79**	**79**	**79**	**79**	**79**	90
94	132904	**81**	**81**	**81**	**81**	**81**	70
95	132905	**74**	**74**	**74**	**74**	**74**	90
96	132906	**A**	**A**	**A**	**A**	**A**	70
97	132907	**92**	**92**	**92**	**92**	**92**	100
98	132908	**95**	**95**	**95**	**95**	**95**	90
99	132909	**72**	**72**	**72**	**72**	**72**	100
100	132910	**88**	**88**	**88**	**88**	**88**	100
101	132911	**94**	**94**	**94**	**94**	**94**	100
102	132912	**78**	**78**	**78**	**78**	**78**	100
103	132913	95	95	95	95	95	90
104	132914	**97**	**97**	**97**	**97**	**97**	100
105	132915	**90**	**90**	**90**	**90**	**90**	80
106	132916	**78**	**78**	**78**	**78**	**78**	90
107	132917	**72**	**72**	**72**	**72**	**72**	70
108	132918	**90**	**90**	**90**	**90**	**90**	70
109	132919	**89**	**89**	**89**	**89**	**89**	90
110	132920	90	90	90	90	90	100
111	132921	**85**	**85**	**85**	**85**	**85**	70
112	132922	**72**	**72**	**72**	**72**	**72**	90
113	132923	**95**	**95**	**95**	**95**	**95**	90
114	132924	**70**	**70**	**70**	**70**	**70**	90
115	132925	**90**	**90**	**90**	**90**	**90**	90
116	132926	**94**	**94**	**94**	**94**	**94**	100
117	132927	**80**	**80**	**80**	**80**	**80**	100
118	132928	**86**	**86**	**86**	**86**	**86**	70
119	132929	**92**	**92**	**92**	**92**	**92**	90
120	132930	**85**	**85**	**85**	**85**	**85**	90
121	132931	**90**	**90**	**90**	**90**	**90**	100
122	132932	**81**	**81**	**81**	**81**	**81**	90
123	132933	**85**	**85**	**85**	**85**	**85**	90
124	132934	95	95	95	95	95	90
125	132935	90	90	90	90	90	90

126	132936	**98**	**98**	**98**	**98**	**98**	100
127	132937	**95**	**95**	**95**	**95**	**95**	100
128	132938	**76**	**76**	**76**	**76**	**76**	80
129	132939	**74**	**74**	**74**	**74**	**74**	100
130	132940	**90**	**90**	**90**	**90**	**90**	70
131	132941	**82**	**82**	**82**	**82**	**82**	100
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		74.42	74.42	74.42	74.42	74.42	74.81
Level Obtained		2	2	2	2	2	2

Survey:

Survey	**C216.1**	**C216.2**	**C216.3**	**C216.4**	**C216.5**
Obtained Percentage	96.83	96.87	94.29	94.83	94.67
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 – C216:

Course	**M(IA)**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C216.1	2	2	2	3	2.2
C216.2	2	2	2	3	2.2
C216.3	2	2	2	3	2.2
C216.4	2	2	2	3	2.2
C216.5	2	2	2	3	2.2
C216					**2.2**

C216.1= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C216.2= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C216.3= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C216.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

C216.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

$$C216 = \frac{C216.1 + C216.2 + C216.3 + C216.4 + C216.5}{5} = 2.2$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Communication Engineering C310

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

S. No	Roll No	C310.1		C310.2		C310.3	C310.4	C310.5	AU
		CIT1	A1	CIT1	A2	CIT2	CIT2	CIT3	Marks
1.	122301	**83**	90	**83**	100	**73**	**73**	79	7
2.	122108	75	80	75	100	74	74	58	5
3.	122048	72	100	72	100	40	40	55	5
4.	122308	66	60	66	100	60	60	65	5
5.	122119	58	80	58	80	0	0	50	5
6.	122122	83	80	83	100	56	56	70	5
7.	122110	85	90	85	100	77	77	75	6
8.	122039	80	90	80	100	88	88	74	5
9.	122107	81	80	81	100	64	64	71	5
10.	122037	85	90	85	100	82	82	70	7
11.	122026	84	90	84	100	83	83	83	6
12.	122019	81	80	81	100	74	74	84	8
13.	122309	80	0	80	50	10	10	10	5
14.	122012	85	80	85	100	71	71	77	6
15.	122049	68	90	68	100	57	57	54	5
16.	122007	63	80	63	100	77	77	74	7
17.	122017	76	90	76	0	60	60	71	5
18.	122045	64	60	64	100	60	60	34	5
19.	122030	66	90	66	100	80	80	58	5
20.	122106	56	90	56	100	66	66	69	5
21.	122052	70	90	70	100	24	24	46	5
22.	122112	64	80	64	100	68	68	63	5
23.	122005	91	80	91	100	75	75	80	8
24.	122029	81	90	81	80	86	86	85	7
25.	122025	72	60	72	90	72	72	60	5
26.	122314	64	60	64	100	60	60	50	5
27.	122051	58	90	58	100	64	64	55	5
28.	122047	45	80	45	50	38	38	24	5
29.	122306	50	70	50	50	30	30	0	5
30.	122036	85	90	85	100	90	90	80	6
31.	122116	98	100	98	100	66	66	84	5
32.	122001	96	100	96	100	96	96	84	6
33.	122041	96	100	96	100	80	80	60	5
34.	122104	92	100	92	100	80	80	82	6
35.	122040	100	100	100	100	100	100	83	6
36.	122117	100	100	100	100	100	100	98	7
37.	122102	96	100	96	100	92	92	70	5
38.	122109	100	100	100	100	99	99	75	8
39.	122050	92	100	92	100	96	96	81	8
40.	122054	96	100	96	100	92	92	90	6
41.	122024	100	100	100	100	94	94	97	9
42.	122010	92	100	92	100	84	84	70	6
43.	122004	96	100	96	100	96	96	93	8
44.	122015	98	100	98	100	82	82	92	6

45.	122313	96	100	96	100	96	96	94	5
46.	122023	100	100	100	100	98	98	96	6
47.	122033	98	100	98	100	100	100	100	7
48.	122312	100	100	100	100	98	98	100	7
49.	122021	80	100	80	100	88	88	60	5
50.	122022	94	100	94	100	100	100	77	6
51.	122304	100	100	100	100	100	100	100	7
52.	122008	98	100	98	100	100	100	95	7
53.	122044	96	100	96	100	60	60	89	
54.	122006	99	100	99	100	100	100	99	6
55.	122038	80	100	80	100	84	84	80	7
56.	122105	78	100	78	100	80	80	60	7
57.	122101	86	100	86	100	86	86	94	7
58.	122034	100	100	100	100	100	100	100	7
59.	122316	98	100	98	100	100	100	100	8
60.	122305	98	100	98	100	A	A	71	5
61.	122028	72	60	72	50	58	58	26	
62.	122046	82	90	82	80	79	79	73	
63.	122003	88	100	88	100	86	86	89	5
64.	122113	77	60	77	50	50	50	81	5
65.	122103	64	90	64	50	70	70	77	
66.	122310	84	50	84	50	70	70	30	7
67.	122031	72	50	72	50	51	51	50	5
68.	122115	64	80	64	50	60	60	71	5
69.	122307	76	100	76	100	80	80	78	5
70.	122016	80	50	80	50	70	70	79	8
71.	122035	67	50	67	60	61	61	64	6
72.	122302	74	40	74	80	67	67	72	5
73.	122014	57	80	57	50	65	65	57	5
74.	122053	87	60	87	100	66	66	76	5
75.	122114	58	100	58	80	66	66	68	5
76.	122315	86	60	86	50	30	30	70	5
77.	122011	85	90	85	80	78	78	78	6
78.	122013	87	90	87	100	82	82	79	7
79.	122303	81	90	81	100	71	71	82	7
80.	122120	96	90	96	100	76	76	91	7
81.	122009	89	100	89	100	74	74	91	7
82.	122042	72	100	72	100	76	76	78	6
83.	122111	80	60	80	50	87	87	39	5
84.	122043	65	60	65	60	74	74	60	
85.	122032	82	90	82	90	83	83	88	5
86.	122027	89	90	89	100	85	85	80	7
87.	122118	68	50	68	50	57	57	35	5
88.	122018	74	90	74	100	74	74	77	6
89.	122002	62	70	62	50	69	69	72	
90.	122311	57	60	57	60	55	55	7	
91.	132923	50	50	50	90	52	52	50	5
92.	132932	50	80	50	100	50	50	50	5
93.	132904	50	70	50	90	7	7	24	

94.	132921	46	60	46	80	27	27	0	5
95.	132928	76	80	76	100	50	50	64	5
96.	132908	78	50	78	100	73	73	54	5
97.	132907	76	80	76	100	69	69	73	5
98.	132936	66	80	66	100	86	86	83	6
99.	132915	67	80	67	100	61	61	71	5
100.	132929	70	90	70	90	71	71	73	5
101.	132911	84	90	84	100	80	80	66	7
102.	132914	65	80	65	90	71	71	59	5
103.	132919	50	70	50	100	68	68	64	5
104.	132930	64	80	64	100	50	50	55	5
105.	132927	80	100	80	100	78	78	60	5
106.	132910	100	100	100	100	98	98	98	6
107.	132941	92	100	92	100	70	70	61	5
108.	132922	96	100	96	100	96	96	93	7
109.	132938	96	100	96	100	A	A	12	5
110.	132912	99	100	99	100	82	82	96	7
111.	132906	57	50	57	50	40	40	40	5
112.	132939	96	100	96	100	74	74	85	5
113.	132917	96	100	96	100	92	92	86	6
114.	132909	98	100	98	100	96	96	92	7
115.	132924	96	100	96	100	58	58	69	6
116.	132905	72	100	72	100	26	26	26	5
117.	132916	98	100	98	100	50	50	80	5
118.	132902	99	100	99	100	88	88	60	6
119.	132937	67	90	67	100	61	61	83	7
120.	132940	81	70	81	50	65	65	78	5
121.	132926	78	90	78	100	72	72	73	5
122.	132925	40	90	40	100	62	62	65	5
123.	132903	50	60	50	50	27	27	51	5
124.	132931	76	100	76	50	66	66	60	5
125.	132933	74	80	74	50	60	60	69	5
126.	132918	68	60	68	50	44	44	69	5
127.	132901	53	50	53	50	34	34	50	5
128.	132920	66	90	66	100	61	61	73	5
129.	132913	73	70	73	90	54	54	72	5
130.	132935	65	70	65	60	44	44	65	5
131.	132934	62	80	62	50	50	50	68	5
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks		87.02	75.57	87.02	83.97	76.64	76.64	76.34	24.43
Level Obtained		3	2	3	3	2	2	2	0
Survey in %		91.28		90.68		90.64	90.89	89.02	
Level Obtained for Survey		3		3		3	3	3	

Course Outcome Attainment – C310:

Course	Internal Test	Assign	IA	AU	Survey	Attainment Level
C310.1	3	2	2.7	0	3	1.46
C310.2	3	3	3	0	3	1.56
C310.3	2	0	2	0	3	1.24
C310.4	2	0	2	0	3	1.24
C310.5	2	0	2	0	3	1.24
C310						**1.35**

C310.1 & C310.2

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

C310.3, C310.4 & C310.5

Attainment level = 0.8*{(0.4*Internal Test) + (0.6*AU)} + 0.2*Survey

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

KLNCE/B.E - EEE – 2012-2016 Batch – Course: C213
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.NO.	ROLL NO	C213.1		C213.2		C213.3	C213.4	C213.5	AU Exam
		CIT-1	A1	CIT-1	A2	CIT-2	CIT-2	CIT-3	
1	122301	70	100	70	100	87	87	72	70
2	122108	50	100	50	90	55	55	59	60
3	122048	76	100	76	100	66	66	58	50
4	122308	50	100	50	90	18	18	59	50
5	122119	23	100	23	80	63	63	58	50
6	122122	42	100	42	80	62	62	26	50
7	122110	27	100	27	100	0	0	A	50
8	122039	58	100	58	100	78	78	64	60
9	122107	52	100	52	90	70	70	68	80
10	122037	72	100	72	100	78	78	79	70
11	122026	96	90	96	100	96	96	87	70
12	122019	92	100	92	90	98	98	89	70
13	122309	87	60	87	60	97	97	90	0
14	122012	84	100	84	100	93	93	92	70
15	122049	90	100	90	100	84	84	90	0
16	122007	50	100	50	90	4	4	13	80
17	122017	88	90	88	80	72	72	80	0
18	122045	68	100	68	80	52	52	62	0
19	122030	57	100	57	100	50	50	78	60
20	122106	A	100	A	80	10	10	A	50
21	122052	16	100	16	80	34	34	37	50
22	122112	90	100	90	80	65	65	64	50
23	122005	50	100	50	100	10	10	50	70
24	122029	91	100	91	80	76	76	73	60
25	122025	54	100	54	80	35	35	50	50
26	122314	81	80	81	80	53	53	56	50
27	122051	86	80	86	80	67	67	73	50
28	122047	53	100	53	100	50	50	50	0
29	122306	56	100	56	100	50	50	50	0
30	122036	88	100	88	70	97	97	94	70
31	122116	89	100	89	100	82	82	82	50
32	122001	76	100	76	80	54	54	51	0
33	122041	80	80	80	100	84	84	71	50
34	122104	67	100	67	80	50	50	50	50
35	122040	57	100	57	100	52	52	52	70
36	122117	31	100	31	100	10	10	39	90
37	122102	29	100	29	100	64	64	A	50
38	122109	62	100	62	100	65	65	62	70
39	122050	81	100	81	100	82	82	90	60
40	122054	72	100	72	100	88	88	50	60
41	122024	58	100	58	100	58	58	54	80
42	122010	56	100	56	80	52	52	50	70
43	122004	55	100	55	80	31	31	18	60
44	122015	92	100	92	100	84	84	78	60
45	122313	66	100	66	80	60	60	52	50

46	122023	92	100	92	100	92	92	76	70
47	122033	84	100	84	100	95	95	59	80
48	122312	63	100	63	90	52	52	62	50
49	122021	80	100	80	70	84	84	50	50
50	122022	73	100	73	100	95	95	50	80
51	122304	87	0	87	80	79	79	73	70
52	122008	62	100	62	100	70	70	60	80
53	122044	100	100	100	80	94	94	94	0
54	122006	78	100	78	100	83	83	52	0
55	122038	56	90	56	80	52	52	50	50
56	122105	72	90	72	80	85	85	80	50
57	122101	50	80	50	80	50	50	50	50
58	122034	50	100	50	90	34	34	50	70
59	122316	57	100	57	100	63	63	50	70
60	122305	95	90	95	80	98	98	85	0
61	122028	76	90	76	90	60	60	50	50
62	122046	82	90	82	90	60	60	80	50
63	122003	99	90	99	90	84	84	95	70
64	122113	50	90	50	90	50	50	44	50
65	122103	88	90	88	90	64	64	82	50
66	122310	72	90	72	90	86	86	53	0
67	122031	78	90	78	90	54	54	57	50
68	122115	80	90	80	90	76	76	70	50
69	122307	99	90	99	90	84	84	68	60
70	122016	92	90	92	90	88	88	80	70
71	122035	86	90	86	90	50	50	52	0
72	122302	88	90	88	90	92	92	75	70
73	122014	86	90	86	90	50	50	50	50
74	122053	94	90	94	90	80	80	80	70
75	122114	80	90	80	90	50	50	68	50
76	122315	70	90	70	90	56	56	53	50
77	122011	99	90	99	90	96	96	94	70
78	122013	99	90	99	90	96	96	92	70
79	122303	99	90	99	90	94	94	82	80
80	122120	94	90	94	90	94	94	84	60
81	122009	99	90	99	90	98	98	95	80
82	122042	94	90	94	90	98	98	A	50
83	122111	90	90	90	90	84	84	57	60
84	122043	98	90	98	90	80	80	80	70
85	122032	99	90	99	90	92	92	83	70
86	122027	99	90	99	90	98	98	95	70
87	122118	50	90	50	90	64	64	68	50
88	122018	88	90	88	90	88	88	86	70
89	122002	66	90	66	90	80	80	80	50
90	122311	36	90	36	90	66	66	60	0
91	132923	50	100	50	80	50	50	44	50
92	132932	24	100	24	80	9	9	12	50
93	132904	72	100	72	60	86	86	53	0
94	132921	88	100	88	60	86	86	82	0
95	132928	92	100	92	90	82	82	92	50

96	132908	56	100	56	90	32	32	51	60
97	132907	78	100	78	100	54	54	57	60
98	132936	80	100	80	100	76	76	70	70
99	132915	99	100	99	90	84	84	68	50
100	132929	92	100	92	100	88	88	80	50
101	132911	92	100	92	100	78	78	96	50
102	132914	24	100	24	90	26	26	76	0
103	132919	86	100	86	100	50	50	52	0
104	132930	88	100	88	90	92	92	75	50
105	132927	32	100	32	80	34	34	41	0
106	132910	84	100	84	100	62	62	A	50
107	132941	86	100	86	90	50	50	50	0
108	132922	54	100	54	100	60	60	60	50
109	132938	94	100	94	70	80	80	80	0
110	132912	58	100	58	100	28	28	50	0
111	132906	26	90	26	90	0	0	34	0
112	132939	70	100	70	80	56	56	53	0
113	132917	99	100	99	80	96	96	94	0
114	132909	99	100	99	80	96	96	92	70
115	132924	99	90	99	100	94	94	82	50
116	132905	94	90	94	80	94	94	84	0
117	132916	99	100	99	100	98	98	95	0
118	132902	94	80	94	100	98	98	A	50
119	132937	92	90	92	90	82	82	92	60
120	132940	56	90	56	90	32	32	51	0
121	132926	92	90	92	90	78	78	95	0
122	132925	24	90	24	90	26	26	76	0
123	132903	32	90	32	90	34	34	41	0
124	132931	84	90	84	90	62	62	A	50
125	132933	54	90	54	90	60	60	60	0
126	132918	58	90	58	90	28	28	50	0
127	132901	82	90	82	90	50	50	41	0
128	132920	76	90	76	90	72	72	72	70
129	132913	50	90	50	90	56	56	70	0
130	132935	42	90	42	90	12	12	60	50
131	132934	50	90	50	90	46	46	76	50
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		66.92	98.47	66.92	95.42	62.6	62.6	58.06	27.48
Level obtained		1	3	1	3	1	1	0	0

Survey:

Survey	**C213.1**	**C213.2**	**C213.3**	**C213.4**	**C213.5**
Obtained Percentage	94.79	94.95	95.03	94.04	93.32
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	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
CO213.1	1	3	1.6	0	0.64	3	1.11
CO213.2	1	3	1.6	0	0.64	3	1.11
CO213.3	1	-	1	0	0.4	3	0.92
CO213.4	1	-	1	0	0.4	3	0.92
CO213.5	0	-	0	0	0	3	0.6
C213							**0.93**

C213.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C213.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C213.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C213.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C213.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

$$C213 = \frac{C213.1 + C213.2 + C213.3 + C213.4 + C213.5}{5} = 0.93$$

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

S.NO.	ROLL NO	CO 211.1		CO 211.2		CO 211.3	CO 211.4	CO 211.5		AU Exam
		CIT-1	A1	CIT-1	A1	CIT-2	CIT-2	CIT-3	A2	
1	122001	52	100	52	100	52	52	39	100	50
2	122002	62	100	62	100	50	50	51	100	50
3	122003	90	90	90	90	98	98	92	100	90
4	122004	68	100	68	100	89	89	65	100	80
5	122005	90	50	90	50	89	89	94	100	90
6	122006	82	100	82	100	84	84	87	100	90
7	122007	68	100	68	100	86	86	74	100	80
8	122008	90	100	90	100	93	93	62	100	80
9	122009	100	60	100	60	98	98	99	100	80
10	122010	70	100	70	100	82	82	57	100	90
11	122011	84	100	84	100	98	98	90	100	80
12	122012	96	50	96	50	91	91	83	100	90
13	122013	98	50	98	50	98	98	87	100	80
14	122014	96	100	96	100	90	90	50	100	80
15	122015	78	90	78	90	73	73	66	100	70
16	122016	88	80	88	80	96	96	90	100	70
17	122017	98	100	98	100	96	96	75	100	70
18	122018	90	100	90	100	86	86	70	100	70
19	122019	88	100	88	100	96	96	77	100	80
20	122021	50	100	50	100	41	41	50	100	60
21	122022	82	100	82	100	94	94	A	100	80
22	122023	93	100	93	100	89	89	71	100	80
23	122024	92	100	92	100	88	88	90	100	90
24	122025	52	50	52	50	69	69	57	100	50
25	122026	78	50	78	50	91	91	91	80	70
26	122027	98	80	98	80	98	98	98	100	70
27	122028	52	100	52	100	94	94	50	100	50
28	122029	78	50	78	50	60	60	16	100	80
29	122030	84	50	84	50	80	80	58	100	70
30	122031	72	100	72	100	60	60	60	100	50
31	122032	100	60	100	60	96	96	96	80	90
32	122033	86	100	86	100	97	97	85	100	80
33	122034	86	50	86	50	90	90	90	70	80
34	122035	64	100	64	100	82	82	41	100	70
35	122036	88	100	88	100	90	90	87	100	80
36	122037	90	100	90	100	90	90	84	100	70
37	122038	64	100	64	100	52	52	50	100	60
38	122039	94	100	94	100	91	91	75	100	70
39	122040	86	100	86	100	93	93	86	100	60
40	122041	50	60	50	60	70	70	12	80	70
41	122042	50	100	50	100	98	98	A	100	70

42	122043	30	100	30	100	66	66	50	100	50
43	122044	72	100	72	100	66	66	50	100	50
44	122045	58	50	58	50	83	83	30	70	60
45	122046	86	100	86	100	98	98	60	100	50
46	122047	34	100	34	100	8	8	30	100	50
47	122048	70	100	70	100	60	60	51	100	50
48	122049	74	100	74	100	72	72	37	100	50
49	122050	74	50	74	50	83	83	62	80	70
50	122051	52	100	52	100	66	66	33	100	50
51	122052	50	100	50	100	44	44	38	100	50
52	122053	82	100	82	100	94	94	75	100	80
53	122054	77	90	77	90	82	82	79	100	70
54	122101	84	100	84	100	68	68	59	100	60
55	122102	82	50	82	50	84	84	59	80	80
56	122103	54	50	54	50	88	88	72	80	80
57	122104	78	50	78	50	91	91	70	80	70
58	122105	63	100	63	100	52	52	50	100	60
59	122106	50	100	50	100	86	86	50	100	70
60	122107	80	50	80	50	96	96	84	80	90
61	122108	60	100	60	100	85	85	50	100	50
62	122109	82	100	82	100	93	93	53	100	80
63	122110	90	100	90	100	70	70	66	100	70
64	122111	44	80	44	80	88	88	19	90	70
65	122112	50	90	50	90	64	64	38	90	60
66	122113	50	90	50	90	14	14	50	90	60
67	122114	62	80	62	80	65	65	41	90	60
68	122115	62	80	62	80	40	40	86	90	50
69	122116	60	90	60	90	60	60	29	90	50
70	122117	76	100	76	100	89	89	89	100	80
71	122118	72	100	72	100	82	82	50	100	70
72	122119	52	100	52	100	45	45	35	100	60
73	122120	68	100	68	100	98	98	82	100	70
74	122122	72	100	72	100	72	72	77	100	80
75	122301	94	90	94	90	87	87	87	100	80
76	122302	44	90	44	90	96	96	80	100	70
77	122303	74	90	74	90	92	92	90	90	70
78	122304	72	90	72	90	96	96	70	90	0
79	122305	62	100	62	100	52	52	50	100	70
80	122306	80	100	80	100	58	58	A	90	50
81	122307	66	100	66	100	88	88	88	100	50
82	122308	72	100	72	100	64	64	63	90	50
83	122309	60	90	60	90	62	62	7	100	50
84	122310	56	80	56	80	76	76	63	100	70
85	122311	30	100	30	100	16	16	7	100	50
86	122312	88	100	88	100	75	75	58	100	80
87	122313	75	100	75	100	93	93	80	100	90
88	122314	34	100	34	100	50	50	50	100	50

89	122315	64	80	64	80	A	A	73	100	80
90	122316	76	80	76	80	90	90	91	90	80
91	132901	32	50	32	50	94	94	44	100	50
92	132902	45	100	45	100	22	22	17	100	0
93	132903	38	100	38	100	26	26	26	100	50
94	132904	36	50	36	50	30	30	A	100	0
95	132905	50	50	50	50	8	8	8	100	0
96	132906	46	80	46	80	56	56	60	100	0
97	132907	50	100	50	100	50	50	31	100	50
98	132908	90	50	90	50	70	70	50	80	70
99	132909	78	50	78	50	67	67	83	100	80
100	132910	86	100	86	100	95	95	94	100	90
101	132911	82	50	82	50	74	74	70	100	70
102	132912	54	100	54	100	44	44	20	100	0
103	132913	46	100	46	100	72	72	67	100	50
104	132914	68	90	68	90	60	60	50	100	50
105	132915	52	50	52	50	36	36	50	80	50
106	132916	54	100	54	100	38	38	10	100	60
107	132917	44	100	44	100	34	34	14	100	50
108	132918	24	90	24	90	16	16	14	100	50
109	132919	70	90	70	90	50	50	36	100	60
110	132920	14	100	14	100	96	96	95	100	60
111	132921	A	80	A	80	85	85	4	90	0
112	132922	50	50	50	50	38	38	50	80	70
113	132923	44	50	44	50	40	40	17	80	50
114	132924	60	100	60	100	32	32	50	100	60
115	132925	8	100	8	100	26	26	60	100	60
116	132926	52	50	52	50	72	72	60	80	60
117	132927	50	90	50	90	50	50	28	100	0
118	132928	32	50	32	50	50	50	38	80	70
119	132929	50	100	50	100	62	62	35	90	70
120	132930	28	80	28	80	40	40	33	90	60
121	132931	82	100	82	100	98	98	13	90	0
122	132932	38	80	38	80	40	40	39	100	0
123	132933	32	80	32	80	34	34	50	100	50
124	132934	42	100	42	100	24	24	35	100	60
125	132935	10	80	10	80	40	40	28	90	50
126	132936	72	80	72	80	68	68	55	90	80
127	132937	56	100	56	100	74	74	62	90	70
128	132938	50	100	50	100	A	A	13	90	50
129	132939	62	90	62	90	63	63	38	90	60
130	132940	26	80	26	80	22	22	60	90	50
131	132941	78	80	78	80	12	12	27	90	70
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		61.54	78.63	61.54	78.63	69.77	69.77	46.46	98.47	51.15
Level obtained		1	2	1	2	1	1	0	3	0

Survey:

Survey	C211.1	C211.2	C211.3	C211.4	C211.5
Obtained Percentage	96.76	95.73	95.38	95.43	92.87
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 – C211:

Course	Internal Test	Assign.	IA	AU Exam	Direct Attainment	Survey	Overall attainment
CO211.1	1	2	1.3	0	0.52	3	1.02
CO211.2	1	2	1.3	0	0.52	3	1.02
CO211.3	1	-	1	0	0.4	3	0.92
CO211.4	1	-	1	0	0.4	3	0.92
CO211.5	0	3	0.9	0	0.36	3	0.89
C211							**0.95**

C211.1 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C211.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

C211.3 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C211.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

C211.5= 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey

$$C211 = \frac{C211.1 + C211.2 + C211.3 + C211.4 + C211.5}{5} = 0.95$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Power Electronics C304

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

S. No	Roll No	C304.1		C304.1		C304.1	C304.1	C304.1	AU Marks
		Test	Assign	Test	Assign	Test	Test	Test	
1.	122301	60	100	60	100	60	60	77	8
2.	122108	50	100	50	100	62	62	56	7
3.	122048	64	100	64	100	34	34	66	5
4.	122308	74	100	74	100	58	58	51	5
5.	122119	68	100	68	100	60	60	79	5
6.	122122	68	100	68	100	56	56	43	6
7.	122110	50	100	50	100	58	58	69	7
8.	122039	90	100	90	100	84	84	80	7
9.	122107	66	100	66	100	92	92	81	7
10.	122037	80	100	80	100	72	72	80	8
11.	122026	76	100	76	100	88	88	89	8
12.	122019	90	100	90	100	58	58	82	8
13.	122309	40	100	40	100	4	4	21	5
14.	122012	70	100	70	100	82	82	84	8
15.	122049	90	100	90	100	60	60	66	5
16.	122007	56	100	56	100	68	68	81	7
17.	122017	76	100	76	100	40	40	69	
18.	122045	30	100	30	100	38	38	33	6
19.	122030	64	100	64	100	74	74	72	6
20.	122106	66	100	66	100	38	38	71	5
21.	122052	58	100	58	100	62	62	32	5
22.	122112	42	100	42	100	50	50	66	5
23.	122005	88	100	88	100	82	82	90	8
24.	122029	74	100	74	100	62	62	33	5
25.	122025	82	100	82	100	42	42	68	7
26.	122314	28	100	28	100	36	36	66	5
27.	122051	52	100	52	100	50	50	58	6
28.	122047	20	100	20	100	16	16	47	
29.	122306	58	100	58	100	42	42	A	
30.	122036	76	100	76	100	82	82	81	7
31.	122116	80	100	80	100	38	38	56	5
32.	122001	56	100	56	100	40	40	59	5
33.	122041	40	100	40	100	54	54	54	7
34.	122104	82	100	82	100	74	74	71	5
35.	122040	64	100	64	100	74	74	64	7
36.	122117	66	100	66	100	72	72	83	9
37.	122102	70	100	70	100	72	72	66	5
38.	122109	76	100	76	100	74	74	82	8
39.	122050	50	100	50	100	60	60	84	5
40.	122054	92	100	92	100	54	54	80	7
41.	122024	84	100	84	100	72	72	87	8
42.	122010	56	100	56	100	50	50	63	7
43.	122004	68	100	68	100	64	64	72	8
44.	122015	70	100	70	100	56	56	72	7

45.	122313	64	100	64	100	62	62	67	8
46.	122023	98	100	98	100	68	68	86	7
47.	122033	80	100	80	100	80	80	74	8
48.	122312	72	100	72	100	58	58	84	6
49.	122021	50	100	50	100	22	22	48	5
50.	122022	82	100	82	100	88	88	87	6
51.	122304	58	100	58	100	70	70	86	5
52.	122008	80	100	80	100	88	88	88	9
53.	122044	50	100	50	100	28	28	A	5
54.	122006	98	100	98	100	60	60	83	5
55.	122038	38	100	38	100	56	56	78	5
56.	122105	46	100	46	100	36	36	48	7
57.	122101	A	100	A	100	22	22	66	5
58.	122034	80	100	80	100	82	82	67	5
59.	122316	86	100	86	100	76	76	79	7
60.	122305	68	100	68	100	A	A	48	5
61.	122028	80	100	80	100	62	62	68	5
62.	122046	88	100	88	100	50	50	78	5
63.	122003	80	100	80	100	80	80	83	5
64.	122113	62	100	62	100	50	50	69	5
65.	122103	72	100	72	100	28	28	77	5
66.	122310	84	100	84	100	60	60	73	
67.	122031	78	100	78	100	20	20	68	5
68.	122115	80	100	80	100	56	56	80	6
69.	122307	68	100	68	100	76	76	76	5
70.	122016	80	100	80	100	74	74	86	6
71.	122035	80	100	80	100	54	54	50	5
72.	122302	66	100	66	100	70	70	80	5
73.	122014	72	100	72	100	60	60	68	5
74.	122053	70	100	70	100	54	54	81	7
75.	122114	68	100	68	100	24	24	81	5
76.	122315	66	100	66	100	A	A	79	7
77.	122011	88	100	88	100	58	58	82	5
78.	122013	76	100	76	100	76	76	85	8
79.	122303	70	100	70	100	88	88	85	7
80.	122120	90	100	90	100	92	92	83	7
81.	122009	84	100	84	100	88	88	85	5
82.	122042	76	100	76	100	70	70	A	8
83.	122111	72	100	72	100	72	72	77	5
84.	122043	62	100	62	100	60	60	73	6
85.	122032	86	100	86	100	64	64	78	6
86.	122027	92	100	92	100	80	80	83	6
87.	122118	58	100	58	100	66	66	76	5
88.	122018	84	100	84	100	70	70	80	5
89.	122002	76	100	76	100	50	50	79	7
90.	122311	42	100	42	100	0	0	72	5
91.	132923	70	100	70	100	54	54	81	5
92.	132932	52	100	52	100	50	50	74	5
93.	132904	50	100	50	100	12	12	A	5

94.	132921	16	100	16	100	A	A	15	
95.	132928	62	100	62	100	40	40	72	5
96.	132908	88	100	88	100	78	78	91	7
97.	132907	76	100	76	100	42	42	76	5
98.	132936	68	100	68	100	76	76	75	9
99.	132915	37	100	37	100	44	44	76	5
100.	132929	76	100	76	100	52	52	83	8
101.	132911	86	100	86	100	76	76	84	8
102.	132914	68	100	68	100	50	50	85	7
103.	132919	60	100	60	100	50	50	59	7
104.	132930	56	100	56	100	68	68	53	5
105.	132927	78	100	78	100	54	54	75	5
106.	132910	98	100	98	100	86	86	80	8
107.	132941	86	100	86	100	50	50	71	7
108.	132922	52	100	52	100	62	62	84	6
109.	132938	66	100	66	100	A	A	23	5
110.	132912	58	100	58	100	50	50	74	5
111.	132906	54	100	54	100	0	0	65	
112.	132939	76	100	76	100	22	22	22	5
113.	132917	76	100	76	100	36	36	36	5
114.	132909	84	100	84	100	72	72	78	8
115.	132924	72	100	72	100	42	42	59	5
116.	132905	56	100	56	100	12	12	28	
117.	132916	62	100	62	100	40	40	67	9
118.	132902	58	100	58	100	58	58	62	5
119.	132937	72	100	72	100	56	56	81	5
120.	132940	84	100	84	100	50	50	79	8
121.	132926	80	100	80	100	62	62	82	7
122.	132925	50	100	50	100	32	32	85	6
123.	132903	52	100	52	100	50	50	66	7
124.	132931	64	100	64	100	72	72	76	5
125.	132933	86	100	86	100	62	62	80	5
126.	132918	66	100	66	100	50	50	76	7
127.	132901	76	100	76	100	22	22	72	7
128.	132920	76	100	76	100	60	60	80	7
129.	132913	60	100	60	100	12	12	75	6
130.	132935	72	100	72	100	34	34	80	5
131.	132934	70	100	70	100	30	30	76	8
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks		73.85	100	73.85	100	48.03	48.03	81.1	39.69
Level Obtained		2	3	2	3	0	0	3	0
Survey in %		95.14		93.7		94.5	94.06	93.5	
Level Obtained for Survey		3		3		3	3	3	

Course Outcome Attainment – C304:

Course	Internal Test	Assign	IA	AU	Survey	Attainment Level
C304.1	2	3	2.3	0	3	1.34
C304.2	2	0	2	0	3	1.24
C304.3	0	3	0.9	0	3	0.89
C304.4	0	0	0	0	3	0.6
C304.5	3	0	3	0	3	1.56
C304						**1.13**

C304.1 & C304.3

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

C304.2, C304.4 & C304.5

Attainment level = 0.8*{(0.4*Internal Test) + (0.6*AU)} + 0.2*Survey

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

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Electrical Machines – II C305

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

S. No	Roll No	C305.1		C305.1		C305.1		C305.1	C305.1	AU Marks
		Test	Assign	Test	Assign	Test	Assign	Test	Test	
1.	122301	68	90	68	90	60	90	60	72	7
2.	122108	50	90	50	90	50	80	50	50	8
3.	122048	42	80	42	80	38	90	38	35	7
4.	122308	54	20	54	20	50	10	50	16	5
5.	122119	12	0	12	0	34	0	34	27	7
6.	122122	42	0	42	0	50	0	50	34	8
7.	122110	50	70	50	70	38	80	38	2	6
8.	122039	50	70	50	70	52	70	52	39	8
9.	122107	52	80	52	80	30	80	30	13	9
10.	122037	30	10	30	10	34	10	34	16	9
11.	122026	72	10	72	10	78	10	78	71	7
12.	122019	80	50	80	50	90	50	90	62	8
13.	122309	80	0	80	0	76	0	76	60	5
14.	122012	90	10	90	10	88	10	88	76	8
15.	122049	80	10	80	10	70	10	70	76	5
16.	122007	56	60	56	60	4	40	4	0	9
17.	122017	76	60	76	60	76	30	76	62	0
18.	122045	38	0	38	0	50	0	50	17	8
19.	122030	76	10	76	10	76	10	76	76	8
20.	122106	A	30	A	30	A	40	A	8	7
21.	122052	32	90	32	90	40	90	40	23	5
22.	122112	38	40	38	40	50	40	50	37	7
23.	122005	54	90	54	90	50	90	50	50	9
24.	122029	52	60	52	60	66	50	66	25	7
25.	122025	54	80	54	80	38	80	38	15	6
26.	122314	76	40	76	40	50	50	50	53	5
27.	122051	58	90	58	90	50	90	50	58	5
28.	122047	24	0	24	0	30	0	30	25	0
29.	122306	30	40	30	40	36	50	36	11	5
30.	122036	86	80	86	80	70	90	70	78	7
31.	122116	60	0	60	0	10	0	10	13	5
32.	122001	38	0	38	0	50	0	50	17	5
33.	122041	58	0	58	0	76	0	76	69	5
34.	122104	44	80	44	80	40	80	40	20	7
35.	122040	24	0	24	0	40	0	40	30	7
36.	122117	2	0	2	0	28	0	28	0	9
37.	122102	58	90	58	90	10	90	10	A	7
38.	122109	56	100	56	100	12	100	12	52	7
39.	122050	62	90	62	90	62	80	62	76	7
40.	122054	50	30	50	30	56	20	56	50	5
41.	122024	16	0	16	0	24	0	24	17	8
42.	122010	24	0	24	0	40	0	40	23	6
43.	122004	64	80	64	80	50	80	50	40	8
44.	122015	60	0	60	0	76	0	76	72	7

45.	122313	82	90	82	90	76	90	76	34	7
46.	122023	96	100	96	100	80	100	80	60	6
47.	122033	80	0	80	0	80	0	80	70	8
48.	122312	62	0	62	0	50	0	50	57	8
49.	122021	78	0	78	0	58	0	58	36	5
50.	122022	92	90	92	90	74	90	74	53	8
51.	122304	76	90	76	90	62	90	62	37	8
52.	122008	56	100	56	100	78	100	78	50	8
53.	122044	98	80	98	80	72	70	72	70	7
54.	122006	54	100	54	100	52	80	52	50	7
55.	122038	30	90	30	90	50	90	50	50	7
56.	122105	82	0	82	0	80	0	80	65	7
57.	122101	72	0	72	0	28	0	28	29	7
58.	122034	74	0	74	0	50	0	50	54	8
59.	122316	24	90	24	90	50	40	50	50	7
60.	122305	70	0	70	0	76	0	76	62	
61.	122028	56	0	56	0	60	0	60	18	5
62.	122046	84	60	84	60	62	60	62	40	6
63.	122003	96	0	96	0	84	0	84	66	7
64.	122113	94	0	94	0	100	0	100	60	7
65.	122103	38	60	38	60	56	40	56	58	7
66.	122310	82	0	82	0	78	0	78	14	5
67.	122031	22	80	22	80	50	40	50	20	5
68.	122115	94	0	94	0	94	0	94	76	5
69.	122307	70	100	70	100	84	100	84	A	5
70.	122016	30	0	30	0	A	0	A	6	7
71.	122035	90	0	90	0	86	0	86	75	6
72.	122302	56	30	56	30	32	60	32	A	7
73.	122014	50	60	50	60	76	20	76	56	8
74.	122053	52	0	52	0	66	0	66	47	7
75.	122114	88	0	88	0	60	0	60	65	5
76.	122315	2	0	2	0	0	0	0	14	5
77.	122011	44	60	44	60	50	70	50	29	7
78.	122013	64	0	64	0	52	0	52	35	8
79.	122303	A	0	A	0	50	0	50	15	8
80.	122120	90	100	90	100	76	100	76	52	8
81.	122009	70	0	70	0	70	0	70	35	8
82.	122042	78	0	78	0	50	0	50	52	7
83.	122111	14	0	14	0	42	0	42	20	8
84.	122043	44	0	44	0	66	0	66	50	6
85.	122032	88	80	88	80	74	70	74	65	8
86.	122027	36	90	36	90	50	90	50	30	8
87.	122118	50	0	50	0	50	0	50	50	7
88.	122018	8	0	8	0	24	0	24	11	8
89.	122002	90	0	90	0	82	0	82	72	6
90.	122311	34	0	34	0	50	0	50	51	0
91.	132923	16	0	16	0	30	0	30	15	6
92.	132932	60	0	60	0	58	0	58	24	7
93.	132904	50	0	50	0	30	0	30	31	5

94.	132921	50	0	50	0	68	0	68	65	0
95.	132928	28	0	28	0	18	0	18	52	7
96.	132908	32	0	32	0	30	0	30	37	6
97.	132907	56	0	56	0	54	0	54	38	6
98.	132936	40	0	40	0	54	0	54	69	8
99.	132915	52	0	52	0	54	0	54	66	7
100.	132929	84	0	84	0	82	0	82	50	7
101.	132911	74	0	74	0	56	0	56	74	8
102.	132914	18	0	18	0	14	0	14	58	6
103.	132919	4	0	4	0	20	0	20	29	5
104.	132930	64	0	64	0	64	0	64	42	6
105.	132927	16	0	16	0	34	0	34	21	5
106.	132910	50	60	50	60	64	90	64	52	5
107.	132941	72	80	72	80	74	70	74	50	6
108.	132922	16	0	16	0	20	0	20	A	7
109.	132938	66	0	66	0	38	0	38	50	5
110.	132912	4	90	4	90	24	70	24	50	8
111.	132906	22	0	22	0	20	0	20	50	8
112.	132939	50	0	50	0	8	0	8	29	6
113.	132917	68	0	68	0	76	0	76	62	6
114.	132909	72	80	72	80	66	60	66	50	8
115.	132924	90	0	90	0	74	0	74	50	7
116.	132905	88	0	88	0	82	0	82	66	0
117.	132916	78	0	78	0	94	0	94	84	7
118.	132902	52	0	52	0	56	0	56	A	5
119.	132937	50	0	50	0	58	0	58	14	7
120.	132940	86	0	86	0	78	0	78	30	6
121.	132926	96	0	96	0	64	0	64	50	7
122.	132925	84	0	84	0	86	0	86	70	5
123.	132903	50	0	50	0	52	0	52	50	7
124.	132931	34	0	34	0	26	0	26	36	7
125.	132933	42	0	42	0	46	0	46	54	5
126.	132918	86	80	86	80	92	40	92	71	6
127.	132901	32	0	32	0	40	0	40	62	6
128.	132920	80	0	80	0	42	0	42	18	6
129.	132913	58	0	58	0	60	0	60	50	5
130.	132935	28	0	28	0	30	0	30	52	5
131.	132934	2	0	2	0	30	0	30	29	5
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks		43.41	24.43	43.41	24.43	41.09	19.85	41.09	26.98	57.25
Level Obtained		0	0	0	0	0	0	0	0	0
Survey in %		97.54		96.79		97.65		97.14	97.14	
Level Obtained		3		3		3		3	3	

Course Outcome Attainment – C305:

Course	Internal Test	Assign	IA	AU	Survey	Attainment Level
C305.1	0	0	0	0	3	0.6
C305.2	0	0	0	0	3	0.6
C305.3	0	0	0	0	3	0.6
C305.4	0	0	0	0	3	0.6
C305.5	0	0	0	0	3	0.6
C305						**0.6**

C305.1, C305.2 & C305.3

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

C305.4 & C305.5

Attainment level = 0.8*{(0.4*Internal Test) + (0.6*AU)} + 0.2*Survey

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

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

S.NO.	ROLL NO	CO 212.1	CO 212.2		CO 212.3		CO 212.4		CO 212.5	AU Exam
		CIT1	CIT1	A1	CIT2	A2	CIT2	A2	CIT3	
1	122301	79	79	100	58	100	58	100	90	80
2	122108	65	65	100	84	100	84	100	68	80
3	122048	77	77	100	29	100	29	100	75	50
4	122308	77	77	100	50	100	50	100	71	70
5	122119	90	90	100	73	100	73	100	A	60
6	122122	69	69	100	66	100	66	100	66	60
7	122110	72	72	100	34	100	34	100	78	70
8	122039	74	74	100	76	100	76	100	81	70
9	122107	79	79	100	95	100	95	100	96	80
10	122037	77	77	100	91	100	91	100	79	80
11	122026	79	79	100	92	100	92	100	96	90
12	122019	84	84	100	80	100	80	100	92	90
13	122309	69	69	100	8	80	8	80	50	50
14	122012	91	91	100	85	100	85	100	94	80
15	122049	87	87	100	51	80	51	80	60	50
16	122007	84	84	100	77	100	77	100	97	80
17	122017	91	91	100	85	100	85	100	68	50
18	122045	84	84	100	87	100	87	100	69	70
19	122030	94	94	100	80	100	80	100	88	60
20	122106	66	66	100	88	100	88	100	80	60
21	122052	61	61	100	50	100	50	100	37	50
22	122112	69	69	100	68	100	68	100	50	60
23	122005	87	87	100	80	100	80	100	88	80
24	122029	91	91	100	69	100	69	100	39	50
25	122025	81	81	100	34	100	34	100	73	50
26	122314	64	64	100	50	100	50	100	74	60
27	122051	70	70	100	60	100	60	100	68	60
28	122047	2	2	100	A	100	A	100	23	50
29	122306	40	40	100	A	100	A	100	27	50
30	122036	86	86	100	90	100	90	100	96	80
31	122116	75	75	100	14	100	14	100	51	50
32	122001	78	78	100	50	100	50	100	88	0
33	122041	86	86	100	35	100	35	100	80	70
34	122104	92	92	100	95	100	95	100	63	80
35	122040	86	86	100	84	80	84	80	84	70

36	122117	87	87	100	73	100	73	100	88	**80**
37	122102	85	85	100	94	100	94	100	65	**60**
38	122109	90	90	100	94	100	94	100	80	**80**
39	122050	77	77	100	56	100	56	100	70	**80**
40	122054	73	73	100	54	100	54	100	85	**80**
41	122024	91	91	100	83	100	83	100	96	**80**
42	122010	78	78	100	56	100	56	100	73	**70**
43	122004	84	84	100	56	100	56	100	71	**70**
44	122015	87	87	100	59	100	59	100	78	**80**
45	122313	87	87	100	81	100	81	100	84	**90**
46	122023	92	92	100	94	100	94	100	96	**70**
47	122033	93	93	100	93	100	93	100	95	**80**
48	122312	86	86	100	54	100	54	100	86	**70**
49	122021	75	75	100	54	100	54	100	50	**50**
50	122022	95	95	100	95	100	95	100	86	**80**
51	122304	91	91	100	68	100	68	100	80	**70**
52	122008	83	83	100	83	100	83	100	97	**90**
53	122044	68	68	100	36	100	36	100	64	**50**
54	122006	89	89	100	87	100	87	100	85	**70**
55	122038	80	80	100	34	100	34	100	76	**70**
56	122105	78	78	100	50	100	50	100	74	**50**
57	122101	75	75	100	50	100	50	100	77	**50**
58	122034	84	84	100	90	100	90	100	73	**70**
59	122316	86	86	100	70	100	70	100	87	**70**
60	122305	90	90	100	20	100	20	100	51	**50**
61	122028	60	60	100	42	90	42	90	70	**60**
62	122046	82	82	100	60	90	60	90	92	**60**
63	122003	95	95	100	94	90	94	90	98	**70**
64	122113	70	70	100	38	90	38	90	90	**50**
65	122103	86	86	90	42	100	42	100	54	**0**
66	122310	84	84	100	91	100	91	100	95	**70**
67	122031	77	77	100	63	100	63	100	53	**50**
68	122115	79	79	90	74	90	74	90	A	**70**
69	122307	94	94	100	86	90	86	90	96	**50**
70	122016	86	86	90	64	100	64	100	95	**70**
71	122035	64	64	100	65	100	65	100	85	**50**
72	122302	78	78	100	76	90	76	90	90	**80**
73	122014	81	81	100	68	90	68	90	41	**80**
74	122053	90	90	100	70	100	70	100	96	**80**
75	122114	73	73	100	A	100	A	100	95	**60**
76	122315	46	46	90	50	90	50	90	87	**70**
77	122011	91	91	100	94	100	94	100	97	**70**

78	122013	81	81		81		81		96	**80**
79	122303	84	84	100	98	90	98	90	97	**80**
80	122120	95	95	100	93	90	93	90	97	**80**
81	122009	95	95	100	90	90	90	90	98	**80**
82	122042	86	86	100	70	90	70	90	95	**70**
83	122111	94	94	100	80	90	80	90	37	**70**
84	122043	87	87	100	80	90	80	90	90	**70**
85	122032	93	93	100	94	90	94	90	97	**80**
86	122027	95	95	100	96	90	96	90	98	**100**
87	122118	85	85	100	68	100	68	100	80	**70**
88	122018	92	92	100	68	100	68	100	95	**80**
89	122002	68	68	100	77	90	77	90	81	**60**
90	122311	0	0	90	50	90	50	90	40	**0**
91	132923	66	66	100	77	100	77	100	70	**60**
92	132932	59	59	100	66	100	66	100	36	**60**
93	132904	55	55	100	11	100	11	100	55	**50**
94	132921	A	A	80	15	80	15	80	42	**50**
95	132928	78	78	100	50	100	50	100	59	**70**
96	132908	90	90	100	88	100	88	100	76	**70**
97	132907	82	82	100	50	100	50	100	75	**50**
98	132936	92	92	100	63	100	63	100	83	**90**
99	132915	85	85	100	67	100	67	100	76	**70**
100	132929	81	81	100	62	100	62	100	78	**70**
101	132911	78	78	100	87	100	87	100	94	**70**
102	132914	88	88	100	87	100	87	100	70	**50**
103	132919	84	84	100	68	100	68	100	67	**50**
104	132930	85	85	100	58	100	58	100	64	**70**
105	132927	80	80	100	95	100	95	100	79	**60**
106	132910	87	87	100	90	100	90	100	94	**80**
107	132941	81	81	100	83	100	83	100	65	**70**
108	132922	82	82	100	78	100	78	100	98	**70**
109	132938	70	70	80	A	80	A	80	25	**50**
110	132912	81	81	100	62	100	62	100	34	**0**
111	132906	60	60	90	36	90	36	90	55	**50**
112	132939	84	84	100	50	100	50	100	87	**50**
113	132917	51	51	100	79	100	79	100	82	**60**
114	132909	84	84	100	89	100	89	100	83	**70**
115	132924	80	80	100	50	100	50	100	50	**50**
116	132905	50	50	100	22	80	22	80	60	**0**
117	132916	76	76	100	50	100	50	100	57	**70**
118	132902	71	71	100	63	100	63	100	87	**60**
119	132937	81	81	100	75	90	75	90	95	**70**

120	132940	86	86	100	62	100	62	100	95	**70**
121	132926	90	90	100	78	100	78	100	95	**80**
122	132925	30	30	90	50	90	50	90	85	**60**
123	132903	37	37	100	35	100	35	100	75	**50**
124	132931	77	77	100	56	100	56	100	85	**80**
125	132933	80	80	90	66	100	66	100	A	**50**
126	132918	64	64	100	38	90	38	90	80	**50**
127	132901	58	58	100	22	90	22	90	80	**50**
128	132920	81	81	100	52	90	52	90	96	**60**
129	132913	70	70	100	61	90	61	90	37	**70**
130	132935	70	70	100	80	100	80	100	95	**70**
131	132934	80	80	100	60	90	60	90	90	**50**
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU marks		91.54	91.54	99.24	94.57	99.24	64.57	99.24	91.25	56.49
Level Obtained		3	3	3	3	3	1	3	3	0

Survey:

Survey	**C212.1**	**C212.2**	**C212.3**	**C212.4**	**C212.5**
Obtained Percentage	93.64	93.29	93.32	93.08	94.43
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	**Internal Test**	**Assign.**	**IA**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
CO212.1	3	-	**3**	0	**1.2**	3	**1.56**
CO212.2	3	3	**3**	0	**1.2**	3	**1.56**
CO212.3	1	3	**1.6**	0	**0.64**	3	**1.11**
CO212.4	1	3	**1.6**	0	**0.64**	3	**1.11**
CO212.5	3	-	**3**	0	**1.2**	3	**1.56**
C212							**1.38**

C212.1 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey
C212.2 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey
C212.3 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey
C212.4 = 0.8*[{0.4*[(0.7*Internal Test) + (0.3*Assignment)]}+{0.6*AU}] + 0.2*Survey
C212.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*Survey

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

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Object Oriented Programming Lab C215
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/Model Exam/AU marks

S.NO.	ROLL NO	C215.1	C215.2	C215.3	C215.4	C215.5	AU Exam
		Model Exam	Model Exam	Model Exam	Model Exam	Model Exam	
1	122001	95	95	95	95	95	10
2	122002	92	92	92	92	92	9
3	122003	91	91	91	91	91	9
4	122004	90	90	90	90	90	8
5	122005	90	90	90	90	90	10
6	122006	91	91	91	91	91	9
7	122007	91	91	91	91	91	10
8	122008	97	97	97	97	97	10
9	122009	98	98	98	98	98	10
10	122010	97	97	97	97	97	10
11	122011	98	98	98	98	98	10
12	122012	98	98	98	98	98	10
13	122013	A	A	A	A	A	7
14	122014	97	97	97	97	97	10
15	122015	90	90	90	90	90	9
16	122016	98	98	98	98	98	10
17	122017	99	99	99	99	99	9
18	122018	90	90	90	90	90	10
19	122019	96	96	96	96	96	9
20	122021	92	92	92	92	92	9
21	122022	88	88	88	88	88	8
22	122023	90	90	90	90	90	9
23	122024	98	98	98	98	98	10
24	122025	90	90	90	90	90	9
25	122026	89	89	89	89	89	8
26	122027	88	88	88	88	88	9
27	122028	90	90	90	90	90	8
28	122029	78	78	78	78	78	8
29	122030	91	91	91	91	91	10
30	122031	97	97	97	97	97	10
31	122032	85	85	85	85	85	9
32	122033	88	88	88	88	88	8
33	122034	A	A	A	A	A	8
34	122035	92	92	92	92	92	10
35	122036	94	94	94	94	94	10
36	122037	96	96	96	96	96	10
37	122038	96	96	96	96	96	10

38	122039	96	96	96	96	96	10
39	122040	92	92	92	92	92	9
40	122041	91	91	91	91	91	10
41	122042	998	998	998	998	998	10
42	122043	91	91	91	91	91	10
43	122044	92	92	92	92	92	10
44	122045	90	90	90	90	90	10
45	122046	96	96	96	96	96	10
46	122047	97	97	97	97	97	10
47	122048	98	98	98	98	98	10
48	122049	92	92	92	92	92	10
49	122050	80	80	80	80	80	7
50	122051	96	96	96	96	96	10
51	122052	95	95	95	95	95	10
52	122053	96	96	96	96	96	10
53	122054	90	90	90	90	90	9
54	122101	95	95	95	95	95	10
55	122102	88	88	88	88	88	9
56	122103	88	88	88	88	88	9
57	122104	90	90	90	90	90	10
58	122105	96	96	96	96	96	10
59	122106	95	95	95	95	95	10
60	122107	80	80	80	80	80	8
61	122108	80	80	80	80	80	9
62	122109	100	100	100	100	100	9
63	122110	100	100	100	100	100	10
64	122111	50	50	50	50	50	8
65	122112	90	90	90	90	90	10
66	122113	80	80	80	80	80	10
67	122114	70	70	70	70	70	9
68	122115	50	50	50	50	50	9
69	122116	98	98	98	98	98	9
70	122117	96	96	96	96	96	9
71	122118	92	92	92	92	92	9
72	122119	100	100	100	100	100	10
73	122120	90	90	90	90	90	10
74	122122	A	A	A	A	A	8
75	122301	70	70	70	70	70	9
76	122302	80	80	80	80	80	9
77	122303	100	100	100	100	100	10
78	122304	100	100	100	100	100	10
79	122305	90	90	90	90	90	10
80	122306	100	100	100	100	100	9
81	122307	100	100	100	100	100	10

82	122308	100	100	100	100	100	9
83	122309	90	90	90	90	90	9
84	122310	76	76	76	76	76	9
85	122311	96	96	96	96	96	10
86	122312	98	98	98	98	98	10
87	122313	80	80	80	80	80	9
88	122314	90	90	90	90	90	10
89	122315	50	50	50	50	50	9
90	122316	50	50	50	50	50	5
91	132901	88	88	88	88	88	8
92	132902	A	A	A	A	A	8
93	132903	80	80	80	80	80	8
94	132904	A	A	A	A	A	
95	132905	85	85	85	85	85	8
96	132906	92	92	92	92	92	9
97	132907	90	90	90	90	90	8
98	132908	94	94	94	94	94	10
99	132909	90	90	90	90	90	8
100	132910	90	90	90	90	90	9
101	132911	95	95	95	95	95	10
102	132912	95	95	95	95	95	9
103	132913	94	94	94	94	94	9
104	132914	88	88	88	88	88	8
105	132915	78	78	78	78	78	7
106	132916	A	A	A	A	A	10
107	132917	90	90	90	90	90	8
108	132918	90	90	90	90	90	9
109	132919	A	A	A	A	A	7
110	132920	91	91	91	91	91	9
111	132921	70	70	70	70	70	7
112	132922	90	90	90	90	90	9
113	132923	82	82	82	82	82	8
114	132924	97	97	97	97	97	10
115	132925	89	89	89	89	89	8
116	132926	78	78	78	78	78	6
117	132927	88	88	88	88	88	8
118	132928	76	76	76	76	76	6
119	132929	74	74	74	74	74	8
120	132930	50	50	50	50	50	8
121	132931	70	70	70	70	70	8
122	132932	50	50	50	50	50	7
123	132933	50	50	50	50	50	7
124	132934	100	100	100	100	100	8
125	132935	100	100	100	100	100	9

126	132936	100	100	100	100	100	8
127	132937	94	94	94	94	94	9
128	132938	96	96	96	96	96	9
129	132939	80	80	80	80	80	8
130	132940	50	50	50	50	50	9
131	132941	50	50	50	50	50	9
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		84.68	84.68	84.68	84.68	84.68	70.99
Level Obtained		3	3	3	3	3	2

Survey:

Survey	**C215.1**	**C215.2**	**C215.3**	**C215.4**	**C215.5**
Obtained Percentage	96.34	95.82	94.74	95.13	94.53
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	**M(IA)**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C215.1	3	2	2.4	3	2.52
C215.2	3	2	2.4	3	2.52
C215.3	3	2	2.4	3	2.52
C215.4	3	2	2.4	3	2.52
C215.5	3	2	2.4	3	2.52
C215					**2.52**

C215.1= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]
C215.2= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]
C215.3= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]
C215.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]
C215.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

$$C215 = \frac{C215.1 + C215.2 + C215.3 + C215.4 + C215.5}{5} = 2.52$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Communication Skills Lab C308
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/Model Exam/AU marks

S.NO.	ROLL NO	C308.1	C308.2	C308.3	C308.4	C308.5	AU Exam
		Model Exam	Model Exam	Model Exam	Model Exam	Model Exam	
1	122301	95	95	95	95	95	90
2	122108	85	85	85	85	85	80
3	122048	85	85	85	85	85	80
4	122308	85	85	85	85	85	80
5	122119	95	95	95	95	95	80
6	122122	95	95	95	95	95	80
7	122110	85	85	85	85	85	70
8	122039	100	100	100	100	100	80
9	122107	95	95	95	95	95	80
10	122037	85	85	85	85	85	80
11	122026	95	95	95	95	95	90
12	122019	90	90	90	90	90	90
13	122309	95	95	95	95	95	90
14	122012	90	90	90	90	90	100
15	122049	95	95	95	95	95	100
16	122007	95	95	95	95	95	90
17	122017	85	85	85	85	85	100
18	122045	85	85	85	85	85	80
19	122030	95	95	95	95	95	90
20	122106	85	85	85	85	85	90
21	122052	85	85	85	85	85	80
22	122112	85	85	85	85	85	80
23	122005	95	95	95	95	95	80
24	122029	95	95	95	95	95	100
25	122025	85	85	85	85	85	90
26	122314	85	85	85	85	85	80
27	122051	89	89	89	89	89	80
28	122047	85	85	85	85	85	80
29	122306	85	85	85	85	85	80
30	122036	85	85	85	85	85	90
31	122116	80	80	80	80	80	90
32	122001	83	83	83	83	83	80
33	122041	85	85	85	85	85	90
34	122104	90	90	90	90	90	80
35	122040	95	95	95	95	95	70
36	122117	96	96	96	96	96	80
37	122102	93	93	93	93	93	90

38	122109	95	95	95	95	95	80
39	122050	91	91	91	91	91	90
40	122054	85	85	85	85	85	70
41	122024	99	99	99	99	99	80
42	122010	82	82	82	82	82	70
43	122004	95	95	95	95	95	90
44	122015	91	91	91	91	91	100
45	122313	90	90	90	90	90	80
46	122023	85	85	85	85	85	100
47	122033	97	97	97	97	97	90
48	122312	95	95	95	95	95	90
49	122021	90	90	90	90	90	80
50	122022	97	97	97	97	97	90
51	122304	90	90	90	90	90	80
52	122008	90	90	90	90	90	80
53	122044	96	96	96	96	96	90
54	122006	90	90	90	90	90	90
55	122038	80	80	80	80	80	80
56	122105	96	96	96	96	96	100
57	122101	84	84	84	84	84	80
58	122034	80	80	80	80	80	80
59	122316	85	85	85	85	85	80
60	122305	85	85	85	85	85	70
61	122028	81	81	81	81	81	80
62	122046	88	88	88	88	88	90
63	122003	97	97	97	97	97	100
64	122113	80	80	80	80	80	90
65	122103	78	78	78	78	78	80
66	122310	95	95	95	95	95	80
67	122031	81	81	81	81	81	80
68	122115	80	80	80	80	80	90
69	122307	84	84	84	84	84	90
70	122016	81	81	81	81	81	70
71	122035	86	86	86	86	86	90
72	122302	78	78	78	78	78	80
73	122014	82	82	82	82	82	100
74	122053	99	99	99	99	99	80
75	122114	83	83	83	83	83	90
76	122315	87	87	87	87	87	80
77	122011	82	82	82	82	82	90
78	122013	99	99	99	99	99	80
79	122303	79	79	79	79	79	100
80	122120	83	83	83	83	83	100
81	122009	80	80	80	80	80	90

82	122042	78	78	78	78	78	80
83	122111	80	80	80	80	80	90
84	122043	79	79	79	79	79	80
85	122032	81	81	81	81	81	100
86	122027	79	79	79	79	79	80
87	122118	85	85	85	85	85	90
88	122018	82	82	82	82	82	80
89	122002	78	78	78	78	78	90
90	122311	78	78	78	78	78	80
91	132923	85	85	85	85	85	80
92	132932	85	85	85	85	85	80
93	132904	90	90	90	90	90	80
94	132921	90	90	90	90	90	90
95	132928	95	95	95	95	95	80
96	132908	95	95	95	95	95	80
97	132907	90	90	90	90	90	80
98	132936	85	85	85	85	85	80
99	132915	85	85	85	85	85	90
100	132929	90	90	90	90	90	80
101	132911	95	95	95	95	95	80
102	132914	90	90	90	90	90	70
103	132919	90	90	90	90	90	90
104	132930	90	90	90	90	90	80
105	132927	87	87	87	87	87	90
106	132910	96	96	96	96	96	80
107	132941	96	96	96	96	96	90
108	132922	93	93	93	93	93	80
109	132938	89	89	89	89	89	90
110	132912	88	88	88	88	88	70
111	132906	79	79	79	79	79	90
112	132939	82	82	82	82	82	80
113	132917	83	83	83	83	83	90
114	132909	95	95	95	95	95	90
115	132924	82	82	82	82	82	80
116	132905	84	84	84	84	84	80
117	132916	85	85	85	85	85	100
118	132902	86	86	86	86	86	90
119	132937	79	79	79	79	79	90
120	132940	79	79	79	79	79	100
121	132926	91	91	91	91	91	80
122	132925	85	85	85	85	85	90
123	132903	99	99	99	99	99	90
124	132931	98	98	98	98	98	80
125	132933	79	79	79	79	79	80

126	132918	83	83	83	83	83	100
127	132901	79	79	79	79	79	80
128	132920	80	80	80	80	80	80
129	132913	85	85	85	85	85	90
130	132935	79	79	79	79	79	80
131	132934	84	84	84	84	84	80
% of Students secured ≥80 marks in Model exam And ≥A (90) grade in AU marks		89.31	89.31	89.31	89.31	89.31	45.04
Level Obtained		3	3	3	3	3	0

Survey:

Survey	**C308.1**	**C308.2**	**C308.3**	**C308.4**	**C308.5**
Obtained Percentage	93.59	92.5	93.47	93.03	90.97
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 – C308:

Course	**M(IA)**	**AU Exam**	**Direct Attainment**	**Survey**	**Overall attainment**
C308.1	3	0	1.2	3	1.56
C308.2	3	0	1.2	3	1.56
C308.3	3	0	1.2	3	1.56
C308.4	3	0	1.2	3	1.56
C308.5	3	0	1.2	3	1.56
C308					**1.56**

C308.1= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]
C308.2= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]
C308.3= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]
C308.4 = 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]
C308.5= 0.8*[{0.4*Internal Test} + {0.6*AU}] + 0.2*[Survey]

$$C308 = \frac{C308.1 + C308.2 + C308.3 + C308.4 + C308.5}{5} = 1.56$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Power Electronics & Drives Lab C316

Internal Assessment (Model Lab) /AU marks

S. No	Roll No	C316.1,2,3,4,5	C316.1	C316.2	C316.3	C316.4	C316.5	AU
		Model Lab	RCO1	RCO2	RCO3	RCO4	RCO5	
1.	122301	99	90	90	85	87	90	10
2.	122108	96	90	90	90	90	90	10
3.	122048	96	90	90	90	90	90	10
4.	122308	94	90	85	80	87	90	10
5.	122119	95	90	85	85	90	90	9
6.	122122	94	90	90	90	90	90	10
7.	122110	99	90	90	90	90	90	9
8.	122039	99	90	90	90	90	90	10
9.	122107	99	90	90	90	90	90	9
10.	122037	99	90	90	90	90	90	10
11.	122026	99	90	90	90	90	90	10
12.	122019	99	90	90	90	90	90	10
13.	122309	85	90	90	90	90	90	8
14.	122012	99	90	90	90	90	90	10
15.	122049	96	90	90	90	90	90	10
16.	122007	98	90	90	90	90	90	10
17.	122017	96	90	90	90	90	90	10
18.	122045	98	90	90	90	90	90	10
19.	122030	98	90	90	90	90	90	10
20.	122106	96	90	85	85	90	90	10
21.	122052	96	90	85	90	90	90	10
22.	122112	95	90	90	90	90	90	10
23.	122005	99	95	90	90	90	90	10
24.	122029	99	90	90	85	90	90	10
25.	122025	98	90	90	85	83	90	10
26.	122314	97	90	90	85	87	90	10
27.	122051	99	95	90	90	90	90	9
28.	122047	95	30	90	85	87	90	10
29.	122306	88	70	90	85	87	90	10
30.	122036	99	95	90	90	90	90	10
31.	122116	98	90	85	90	90	90	10
32.	122001	90	90	90	90	90	90	9
33.	122041	96	90	90	90	90	90	9
34.	122104	96	90	90	90	90	90	10
35.	122040	99	90	90	90	90	90	10
36.	122117	99	90	90	90	90	90	10
37.	122102	97	90	90	90	90	90	10
38.	122109	99	90	90	90	90	90	10
39.	122050	96	90	90	90	90	90	10
40.	122054	95	90	90	90	90	90	10
41.	122024	99	90	90	90	90	90	10
42.	122010	97	90	85	90	90	90	10
43.	122004	98	90	85	90	90	90	10
44.	122015	96	90	85	90	90	90	10

45.	122313	98	90	90	90	90	90	10
46.	122023	99	90	85	90	90	90	10
47.	122033	99	90	90	90	90	90	10
48.	122312	99	90	90	90	90	90	10
49.	122021	92	80	90	85	87	90	9
50.	122022	99	90	90	90	90	90	10
51.	122304	96	90	90	90	90	90	10
52.	122008	99	90	90	90	90	90	10
53.	122044	92	90	90	90	90	90	9
54.	122006	99	100	90	90	90	90	10
55.	122038	95	80	90	90	90	90	10
56.	122105	92	85	90	90	90	90	10
57.	122101	95	85	90	90	90	90	10
58.	122034	99	100	90	90	90	90	10
59.	122316	99	100	90	90	90	90	10
60.	122305	90	50	50	50	53	60	9
61.	122028	91	90	85	90	83	90	10
62.	122046	92	90	90	90	90	90	10
63.	122003	99	90	90	90	90	90	10
64.	122113	89	90	85	85	83	90	9
65.	122103	96	90	80	70	83	90	10
66.	122310	91	90	85	85	83	90	10
67.	122031	90	90	70	75	77	80	10
68.	122115	95	90	85	85	80	90	10
69.	122307	96	90	90	90	90	90	10
70.	122016	96	85	85	90	87	90	10
71.	122035	90	90	90	85	83	80	9
72.	122302	93	85	85	85	90	90	10
73.	122014	92	90	90	90	90	90	10
74.	122053	95	95	90	90	90	90	10
75.	122114	93	95	90	90	90	90	10
76.	122315	92	85	90	90	87	80	9
77.	122011	95	90	90	90	90	90	10
78.	122013	95	95	90	90	90	90	10
79.	122303	96	90	90	90	90	90	10
80.	122120	96	90	90	90	90	90	10
81.	122009	98	90	90	90	90	90	10
82.	122042	93	90	90	90	90	90	10
83.	122111	94	90	90	90	87	90	10
84.	122043	91	90	90	85	83	90	10
85.	122032	96	90	90	90	90	90	10
86.	122027	98	90	90	90	90	90	10
87.	122118	90	90	90	90	83	90	9
88.	122018	96	90	90	95	90	90	10
89.	122002	95	90	90	90	90	90	10
90.	122311	85	60	60	60	60	60	8
91.	132923	99	90	90	90	90	90	10
92.	132932	98	75	80	80	83	90	10
93.	132904	90	60	90	85	87	90	10

94.	132921	78	60	60	60	67	70	10
95.	132928	97	85	90	90	90	90	10
96.	132908	97	85	90	90	90	90	10
97.	132907	98	90	90	90	90	90	10
98.	132936	99	90	90	90	90	90	10
99.	132915	96	90	90	90	90	90	10
100.	132929	97	90	90	90	90	90	10
101.	132911	99	90	90	90	90	90	10
102.	132914	98	90	90	90	90	90	10
103.	132919	96	85	90	90	90	90	10
104.	132930	96	90	90	90	90	90	10
105.	132927	96	90	85	85	90	80	10
106.	132910	99	100	90	90	90	90	10
107.	132941	98	95	90	95	93	90	10
108.	132922	97	90	90	90	90	90	10
109.	132938	95	85	90	85	83	90	10
110.	132912	98	90	90	90	90	90	10
111.	132906	88	80	70	70	70	70	8
112.	132939	98	90	90	90	90	90	10
113.	132917	97	100	90	90	90	90	10
114.	132909	99	100	90	90	90	90	10
115.	132924	97	80	90	90	90	90	10
116.	132905	96	80	90	90	90	90	10
117.	132916	97	90	90	90	90	90	10
118.	132902	95	80	90	90	90	90	10
119.	132937	95	90	90	90	87	90	10
120.	132940	94	90	90	90	90	90	10
121.	132926	94	90	90	90	83	90	10
122.	132925	92	80	90	85	87	90	10
123.	132903	92	80	90	90	83	90	9
124.	132931	95	85	90	90	87	80	10
125.	132933	97	90	95	90	90	90	10
126.	132918	93	80	90	80	77	80	10
127.	132901	91	85	90	90	90	90	10
128.	132920	95	90	90	95	90	90	10
129.	132913	95	85	80	85	90	90	10
130.	132935	92	90	90	85	90	80	10
131.	132934	94	90	90	90	90	90	10
% of Students secured >80 marks in Model Lab and >A (9) grade in AU marks		99.24	94.66	96.18	95.42	95.42	96.95	96.92
Level Obtained		3	3	3	3	3	3	3

	C316.1	C316.2	C316.3	C316.4	C316.5
Survey in %	94.68	94.3	94.42	94.08	94.59
Level Obtained for Survey	3	3	3	3	3

Course Outcome Attainment – C316:

Course	Model Lab	Record	IA	AU	Survey	Attainment Level
C316.1	3	3	3	3	3	3
C316.2	3	3	3	3	3	3
C316.3	3	3	3	3	3	3
C316.4	3	3	3	3	3	3
C316.5	3	3	3	3	3	3
C316						**3**

C316.1 – C316.5

Attainment level = 0.8*{0.4*(0.7*Model Lab+0.3*Record) + (0.6*AU)} + 0.2*{Survey}

$$\boldsymbol{C316} = \frac{(\boldsymbol{C316.1} + \boldsymbol{C316.2} + \boldsymbol{C316.3} + \boldsymbol{C316.4} + \boldsymbol{C316.5})}{\boldsymbol{5}} = 3$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Electrical Machines Lab -II C309

Internal Assessment (Model Lab) /AU marks

S. No	Roll No	C309.1,2,3,4,5	AU
		Model Lab	
1.	122301	72	10
2.	122108	82	10
3.	122048	87	10
4.	122308	62	10
5.	122119	76	10
6.	122122	95	9
7.	122110	95	10
8.	122039	90	10
9.	122107	97	10
10.	122037	96	10
11.	122026	92	10
12.	122019	70	10
13.	122309	A	9
14.	122012	88	10
15.	122049	82	10
16.	122007	60	10
17.	122017	64	9
18.	122045	86	10
19.	122030	96	10
20.	122106	91	10
21.	122052	61	10
22.	122112	69	9
23.	122005	95	10
24.	122029	92	10
25.	122025	82	9
26.	122314	91	9
27.	122051	85	10
28.	122047	81	9
29.	122306	A	9
30.	122036	95	10
31.	122116	85	9
32.	122001	86	9
33.	122041	85	10
34.	122104	98	10
35.	122040	98	10
36.	122117	99	10
37.	122102	98	10
38.	122109	98	10
39.	122050	96	10
40.	122054	85	9
41.	122024	99	10
42.	122010	92	10
43.	122004	92	10
44.	122015	85	9

45.	122313	85	9
46.	122023	99	10
47.	122033	99	10
48.	122312	90	10
49.	122021	85	9
50.	122022	99	10
51.	122304	92	10
52.	122008	99	10
53.	122044	96	9
54.	122006	99	10
55.	122038	92	10
56.	122105	92	10
57.	122101	88	10
58.	122034	99	10
59.	122316	99	10
60.	122305	85	9
61.	122028	85	9
62.	122046	94	10
63.	122003	99	10
64.	122113	85	9
65.	122103	94	9
66.	122310	90	10
67.	122031	90	9
68.	122115	92	10
69.	122307	99	10
70.	122016	92	9
71.	122035	90	10
72.	122302	92	9
73.	122014	91	9
74.	122053	99	10
75.	122114	94	10
76.	122315	88	9
77.	122011	99	10
78.	122013	99	10
79.	122303	99	10
80.	122120	99	10
81.	122009	99	10
82.	122042	99	10
83.	122111	98	10
84.	122043	90	10
85.	122032	99	10
86.	122027	99	10
87.	122118	90	9
88.	122018	99	10
89.	122002	90	10
90.	122311	80	7
91.	132923	93	10
92.	132932	A	10
93.	132904	0	9

94.	132921	A	
95.	132928	69	10
96.	132908	89	10
97.	132907	0	9
98.	132936	98	10
99.	132915	92	10
100.	132929	81	10
101.	132911	92	10
102.	132914	92	10
103.	132919	88	10
104.	132930	83	10
105.	132927	88	9
106.	132910	99	10
107.	132941	93	9
108.	132922	95	10
109.	132938	A	8
110.	132912	92	10
111.	132906	A	8
112.	132939	86	9
113.	132917	92	9
114.	132909	95	10
115.	132924	95	10
116.	132905	82	9
117.	132916	95	9
118.	132902	90	9
119.	132937	99	10
120.	132940	92	10
121.	132926	99	10
122.	132925	91	9
123.	132903	88	9
124.	132931	A	10
125.	132933	A	9
126.	132918	87	9
127.	132901	A	9
128.	132920	99	10
129.	132913	90	9
130.	132935	91	9
131.	132934	98	9
% of Students secured >80 marks in Model Lab and >A (9) grade in AU marks		90.98	96.95
Level Obtained		3	3

	C309.1	C309.2	C309.3	C309.4	C309.5
Survey in %	95.73	95.87	95.67	96.16	95.93
Level Obtained for Survey	3	3	3	3	3

Course Outcome Attainment – C309:

Course	Model Lab	IA	AU	Survey	Attainment Level
C309.1	3	3	3	3	3
C309.2	3	3	3	3	3
C309.3	3	3	3	3	3
C309.4	3	3	3	3	3
C309.5	3	3	3	3	3
C309					**3**

C309.1 – C309.5

Attainment level = 0.8*{(0.4*Model Lab) + (0.6*AU)} + 0.2*{Survey}

$$\boldsymbol{C309} = \frac{(\boldsymbol{C309.1} + \boldsymbol{C309.2} + \boldsymbol{C309.3} + \boldsymbol{C309.4} + \boldsymbol{C309.5})}{\boldsymbol{5}} = 3$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Circuit Theory: Power System Analysis C301
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C301.1			C301.2			C301.3			C301.4		C301.5			AU
		CO1	A1	T1	CO2	A2	T2	CO3	A3	T3	CO4	T4	CO5	Q1	T5	
1	122301	82	100	100	78	90	100	78	100	100	82	100	98	100	100	80
2	122108	52	100	100	100	90	100	70	100	100	26	100	90	85	100	70
3	122048	62	100	100	100	100	100	72	100	100	88	100	50	85	100	60
4	122308	42	100	100	72	90	100	60	100	100	48	100	88	70	100	60
5	122119	54	100	100	78	80	100	60	100	100	26	100	64	80	100	60
6	122122	84	100	100	82	90	100	72	100	100	88	100	90	80	100	80
7	122110	76	100	100	92	90	100	A	100	100	A	100	78	75	100	60
8	122039	78	100	100	92	90	100	64	100	100	98	100	94	70	100	70
9	122107	84	100	100	96	100	100	96	100	100	90	100	82	85	100	80
10	122037	74	100	100	100	90	100	92	100	100	98	100	99	100	100	90
11	122026	88	100	100	100	80	100	80	100	100	100	100	100	100	100	70
12	122019	88	100	100	98	100	100	76	100	100	92	100	78	95	100	80
13	122309	44	100	100	100	80	100	62	100	100	70	100	14	85	100	50
14	122012	86	100	100	100	90	100	76	100	100	82	100	100	95	100	80
15	122049	64	100	100	76	90	100	84	100	100	42	100	86	85	100	70
16	122007	72	100	100	100	90	100	64	100	100	98	100	96	100	100	70
17	122017	70	100	100	80	90	100	46	100	100	30	100	56	90	100	50
18	122045	84	100	100	48	90	100	54	100	100	52	100	76	90	100	80
19	122030	72	100	100	98	90	100	76	100	100	76	100	96	85	100	60
20	122106	52	100	100	64	90	100	72	100	100	86	100	64	90	100	70
21	122052	70	100	100	94	90	100	64	100	100	50	100	80	95	100	70
22	122112	28	100	100	24	90	100	84	100	100	86	100	66	85	100	60
23	122005	82	100	100	80	90	100	25	100	100	25	100	100	90	100	80
24	122029	76	100	100	52	70	100	74	100	100	76	100	100	85	100	60
25	122025	68	100	100	70	90	100	52	100	100	96	100	96	90	100	80
26	122314	28	100	100	60	70	100	70	100	100	76	100	96	85	100	50
27	122051	58	100	100	90	80	100	64	100	100	98	100	98	85	100	50
28	122047	18	100	100	28	90	100	60	100	100	80	100	82	75	100	0
29	122306	20	100	100	56	90	100	16	100	100	24	100	88	70	100	50
30	122036	76	100	100	92	90	100	90	100	100	84	100	96	85	100	70
31	122116	40	70	90	60	80	90	88	80	90	12	90	56	70	90	70
32	122001	40	70	90	68	70	90	64	80	90	75	90	76	60	90	50
33	122041	52	50	90	48	70	90	50	80	90	50	90	96	70	90	70
34	122104	80	90	90	52	90	90	68	90	90	76	90	96	80	90	70
35	122040	84	90	90	92	90	90	44	90	90	88	90	92	80	90	60
36	122117	96	90	90	80	90	90	96	90	90	92	90	96	90	90	70
37	122102	100	90	90	88	90	90	88	90	90	96	90	88	80	90	70
38	122109	80	90	90	88	90	90	84	90	90	96	90	88	80	90	80
39	122050	100	90	90	96	90	90	96	90	90	96	90	96	70	90	70
40	122054	92	80	90	60	90	90	28	90	90	52	90	96	70	90	70
41	122024	100	90	90	100	90	90	96	90	90	96	90	96	90	90	70
42	122010	92	90	90	80	90	90	72	90	90	60	90	88	80	90	50
43	122004	100	90	90	96	90	90	76	90	90	84	90	80	80	90	80
44	122015	52	90	90	56	90	90	56	90	90	56	90	80	70	90	50
45	122313	56	90	90	56	90	90	76	90	90	52	90	80	80	90	60
46	122023	96	90	90	92	90	90	76	90	90	92	90	96	90	90	60
47	122033	92	90	90	60	90	90	96	90	90	96	90	96	90	90	70
48	122312	88	90	90	100	90	90	88	90	90	92	90	96	80	90	70

49	122021	24	80	90	36	80	90	64	70	90	68	90	76	50	90	50
50	122022	96	90	90	100	90	90	96	90	90	92	90	96	80	90	90
51	122304	92	90	90	80	90	90	96	90	90	96	90	96	70	90	70
52	122008	100	90	90	96	90	90	92	90	90	80	90	96	90	90	80
53	122044	12	90	90	52	90	90	60	90	90	32	90	96	70	90	60
54	122006	92	90	90	100	90	90	88	90	90	32	90	96	90	90	70
55	122038	80	80	90	68	90	90	20	90	90	28	90	AB	70	90	60
56	122105	84	80	90	40	90	90	60	90	90	64	90	76	70	90	50
57	122101	64	80	90	32	90	90	52	90	90	48	90	84	60	90	50
58	122034	92	90	90	100	90	90	96	90	90	80	90	96	80	90	70
59	122316	64	90	90	88	90	90	88	90	90	80	90	96	70	90	70
60	122305	60	90	90	56	90	90	72	90	90	52	90	96	70	90	70
61	122028	60	90	100	44	100	100	70	100	100	30	100	96	50	100	60
62	122046	64	90	100	72	100	100	80	100	100	100	100	92	80	100	50
63	122003	88	90	100	96	100	100	98	100	100	100	100	100	80	100	80
64	122113	8	90	100	52	100	50	32	100	80	32	90	96	50	90	0
65	122103	64	90	100	56	100	100	A	100	100	A	100	100	50	100	70
66	122310	92	90	100	36	100	100	88	100	100	92	100	100	72	100	60
67	122031	76	90	100	56	100	80	44	100	80	44	100	96	50	100	50
68	122115	64	90	100	60	100	50	48	100	80	54	100	100	72	100	70
69	122307	44	90	100	84	100	100	100	100	100	80	100	96	80	100	50
70	122016	100	90	100	48	100	100	72	100	100	72	100	100	100	100	70
71	122035	56	90	100	72	100	100	72	100	100	100	100	92	50	100	50
72	122302	64	90	100	100	100	100	84	100	100	84	100	100	72	100	50
73	122014	60	90	100	72	100	100	60	100	100	76	100	100	72	100	70
74	122053	76	90	100	80	100	100	76	100	100	76	100	100	80	100	80
75	122114	68	90	100	40	100	100	64	100	100	60	100	100	80	100	50
76	122315	20	90	100	48	100	100	40	100	100	64	100	100	72	100	70
77	122011	76	90	100	76	100	100	100	100	100	98	100	100	72	100	80
78	122013	76	90	100	92	100	100	96	100	100	100	100	100	80	100	50
79	122303	68	90	100	64	100	100	100	100	100	98	100	100	80	100	60
80	122120	72	90	100	92	100	100	100	100	100	98	100	96	80	100	70
81	122009	92	90	100	76	100	100	100	100	100	98	100	100	80	100	70
82	122042	80	90	100	92	100	100	100	100	100	98	100	88	50	100	70
83	122111	72	90	100	72	100	100	68	100	100	76	100	A	50	100	50
84	122043	64	90	100	76	100	100	96	100	100	76	100	100	100	100	70
85	122032	72	90	100	64	100	100	52	100	100	60	100	100	100	100	60
86	122027	100	90	100	100	100	100	100	100	100	98	100	100	100	100	80
87	122118	36	90	100	20	100	100	68	50	100	68	50	8	80	100	50
88	122018	64	90	100	92	100	100	48	100	100	48	100	96	80	100	70
89	122002	68	90	100	48	100	100	84	100	100	68	100	80	100	100	70
90	122311	0	0	60	0	100	60	40	50	80	80	80	A	50	70	0
91	132923	40	100	100	22	90	100	22	100	100	80	100	100	60	100	50
92	132932	A	100	100	A	90	100	30	100	100	76	100	96	75	100	60
93	132904	0	100	100	24	90	100	16	100	100	68	100	80	75	100	0
94	132921	76	100	100	24	90	100	A	100	100	A	100	88	75	100	50
95	132928	56	100	100	92	90	100	66	100	100	74	100	100	75	100	60
96	132908	64	100	100	64	90	100	60	100	100	76	100	70	70	100	70
97	132907	62	100	100	76	90	100	82	100	100	88	100	100	85	100	60
98	132936	94	100	100	92	90	100	100	100	100	88	100	92	90	100	70
99	132915	56	100	100	90	90	100	72	100	100	92	100	86	95	100	80
100	132929	84	100	100	70	90	100	96	100	100	100	100	64	85	100	70

101	132911	68	100	100	86	80	100	58	100	100	80	100	92	90	100	70
102	132914	56	100	100	34	90	100	88	100	100	88	100	84	95	100	60
103	132919	44	100	100	72	90	100	80	100	100	92	100	80	85	100	50
104	132930	48	100	100	28	90	100	18	100	100	90	100	100	85	100	60
105	132927	24	80	90	40	90	90	76	90	90	44	90	76	60	90	50
106	132910	98	90	90	100	90	90	80	90	90	84	90	92	90	90	70
107	132941	32	90	90	92	90	90	84	90	90	60	90	80	80	90	60
108	132922	32	90	90	68	90	90	76	90	90	72	90	84	60	90	50
109	132938	16	90	90	84	90	90	56	90	90	64	90	80	60	90	50
110	132912	52	90	90	48	90	90	84	90	90	16	90	88	70	90	60
111	132906	60	80	100	0	100	100	40	50	80	40	80	60	50	60	0
112	132939	80	90	90	100	90	90	72	90	90	72	90	80	60	90	50
113	132917	8	90	90	44	90	90	40	90	90	60	90	64	60	90	60
114	132909	76	90	90	68	90	90	92	90	90	80	90	96	80	90	70
115	132924	28	90	90	28	90	90	70	90	90	54	90	76	50	90	50
116	132905	0	90	90	12	90	90	32	90	90	12	90	76	60	90	0
117	132916	32	90	90	100	90	90	96	90	90	78	90	84	60	90	50
118	132902	8	90	90	12	90	90	72	90	90	72	90	84	70	90	0
119	132937	64	90	100	64	100	100	48	100	100	76	100	96	50	100	70
120	132940	52	90	100	52	100	100	32	100	100	48	100	88	50	100	50
121	132926	72	90	100	72	100	100	84	100	100	52	100	100	100	100	70
122	132925	48	90	100	52	100	50	40	100	60	40	60	84	100	80	70
123	132903	40	90	100	8	100	50	28	100	60	84	80	72	100	80	50
124	132931	84	90	100	80	100	100	100	100	100	98	100	88	50	100	70
125	132933	56	90	100	20	100	100	A	100	100	A	100	60	50	100	50
126	132918	12	90	100	20	100	100	32	100	80	40	50	68	50	50	0
127	132901	68	90	100	56	100	100	52	100	100	54	100	60	50	100	0
128	132920	A	90	100	A	100	100	60	100	100	66	100	92	80	100	70
129	132913	52	90	100	12	100	100	40	100	100	72	100	100	72	100	60
130	132935	40	90	100	20	100	100	84	100	80	12	50	84	50	50	70
131	132934	48	90	100	24	100	100	32	100	100	56	100	84	100	100	50

Benchmark	**C301.1**			**C301.2**			**C301.3**			**C301.4**		**C301.5**			**AU**
	CO1	**A1**	**T1**	**CO2**	**A2**	**T2**	**CO3**	**A3**	**T3**	**CO4**	**T4**	**CO5**	**Q1**	**T5**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	62.79	96.95	99.24	64.34	96.95	96.18	72.44	96.95	98.47	71.65	96.95	95.35	78.63	97.71	48.85
Level Obtained	1	3	3	1	3	3	2	3	3	2	3	3	2	3	0

Survey:

Survey	C301.1	C301.2	C301.3	C301.4	C301.5
Obtained Percentage	95.69	95.53	95.96	96.56	93.47
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	Internal Test	Assignment	Tutorial	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C301.1	1	3	3	-	1.8	0	0.72	3	1.18
C301.2	1	3	3	-	1.8	0	0.72	3	1.18
C301.3	2	3	3	-	1.8	0	0.96	3	1.37
C301.4	2	-	3	-	1.8	0	0.92	3	1.34
C301.5	3	-	3	2	1.8	0	1.16	3	1.53
C301									**1.32**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C301) Overall Attainment 1.32
	External Assessment (AU)	Internal Assessment (IA)	
C301.1	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]	[0.8*CO + 0.2*Survey]
C301.2	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]	[0.8*CO + 0.2*Survey]
C301.3	AU Exam	[0.6*Internal Test + 0.2*Assignment + 0.2*Tutorial]	[0.8*CO + 0.2*Survey]
C301.4	AU Exam	[0.7*Internal Test + 0.3*Tutorial]	[0.8*CO + 0.2*Survey]
C301.5	AU Exam	[0.7*Internal Test + 0.1*Quiz + 0.2*Tutorial]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C301 = \frac{C301.1 + C301.2 + C301.3 + C301.4 + C301.5}{5} = 1.32$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Solid State Drives C311

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

S. No	Roll No	C311.1		C311.2		C311.3		C311.4		C311.5		AU Marks
		CO1	Q1	CO2	A1	CO3	A2	CO4	A3	CO5	S1	
1.	122301	80	30	88	100	64	100	52	0	88	0	8
2.	122108	92	50	52	100	76	0	52	0	72	100	8
3.	122048	76	50	72	100	72	100	72	100	68	100	7
4.	122308	48	70	72	0	96	0	48	0	68	0	7
5.	122119	48	40	8	0	96	0	60	0	76	0	8
6.	122122	100	40	32	100	76	0	72	0	50	0	5
7.	122110	84	70	64	100	60	100	80	100	60	100	8
8.	122039	100	50	88	100	80	100	80	100	96	0	8
9.	122107	96	100	84	100	80	100	68	100	88	100	9
10.	122037	100	50	100	100	84	100	80	100	72	100	8
11.	122026	100	70	84	100	84	100	84	100	84	100	9
12.	122019	96	60	64	100	96	0	64	0	88	100	8
13.	122309	12	A	56	0	52	0	40	0	50	0	5
14.	122012	100	70	76	0	68	0	44	0	84	100	8
15.	122049	92	A	76	100	76	0	84	100	92	0	7
16.	122007	88	50	92	0	76	0	60	0	96	0	9
17.	122017	88	40	48	0	56	0	84	0	8	0	6
18.	122045	92	A	52	100	48	0	36	0	52	0	8
19.	122030	92	30	32	100	20	100	56	100	80	100	8
20.	122106	96	40	44	0	44	100	40	100	56	0	6
21.	122052	52	30	48	100	76	100	24	100	72	0	5
22.	122112	72	70	32	100	52	0	76	0	60	0	7
23.	122005	76	50	64	100	84	100	76	100	100	100	9
24.	122029	80	40	56	0	72	0	40	0	96	0	9
25.	122025	88	30	24	0	A	0	A	0	88	0	8
26.	122314	84	50	28	100	36	0	24	0	64	100	7
27.	122051	92	70	64	100	88	0	40	100	64	0	8
28.	122047	60	A	52	0	52	0	64	0	60	0	7
29.	122306	44	30	48	0	20	0	52	0	52	100	5
30.	122036	100	50	92	100	84	100	92	100	84	100	8
31.	122116	48	100	44	100	52	100	44	100	80	100	6
32.	122001	75	100	40	100	64	100	48	100	50	100	7
33.	122041	92	100	68	100	28	100	52	100	86	100	6
34.	122104	68	100	64	100	52	100	68	100	84	100	8
35.	122040	92	100	56	100	68	100	72	100	88	100	7
36.	122117	100	100	68	100	76	100	96	100	92	100	9
37.	122102	90	100	92	100	24	100	80	100	68	100	7
38.	122109	96	100	72	100	80	100	52	100	76	100	9
39.	122050	88	100	52	100	88	100	76	100	72	100	9
40.	122054	72	100	64	100	76	100	56	100	76	100	5
41.	122024	92	100	68	100	80	100	76	100	86	100	9
42.	122010	80	100	20	100	64	100	84	100	88	100	7
43.	122004	96	100	72	100	88	100	88	100	84	100	8
44.	122015	96	100	60	100	74	100	76	100	76	100	7

45.	122313	92	100	48	100	72	100	60	100	56	100	7
46.	122023	92	100	92	100	90	100	90	100	84	100	8
47.	122033	96	100	76	100	96	100	72	100	96	100	8
48.	122312	96	100	84	100	92	100	96	100	96	100	7
49.	122021	68	100	40	100	72	100	60	100	56	100	5
50.	122022	88	100	84	100	100	100	92	100	96	100	9
51.	122304	96	100	88	100	92	100	76	100	84	100	9
52.	122008	96	100	96	100	80	100	48	100	90	100	10
53.	122044	88	100	36	100	64	100	56	100	72	0	5
54.	122006	100	100	96	100	96	100	76	100	96	100	9
55.	122038	80	100	52	100	74	100	78	100	0	100	7
56.	122105	92	100	8	100	54	100	78	100	88	100	7
57.	122101	36	100	28	100	0	100	0	100	72	100	6
58.	122034	92	100	68	100	84	100	76	100	80	100	8
59.	122316	100	100	72	100	78	100	78	100	92	100	9
60.	122305	56	100	8	100	60	100	64	100	84	100	8
61.	122028	72	100	28	90	48	80	40	80	50	80	6
62.	122046	68	75	44	100	68	100	68	80	96	90	5
63.	122003	100	75	84	100	82	100	84	100	100	90	9
64.	122113	44	100	56	80	52	80	48	90	88	80	6
65.	122103	52	100	56	90	A	90	A	90	50	80	5
66.	122310	64	75	52	100	92	100	68	100	84	100	6
67.	122031	52	100	52	80	68	80	64	80	88	80	7
68.	122115	76	75	72	100	80	100	84	90	96	90	6
69.	122307	100	75	76	100	40	100	60	100	96	90	8
70.	122016	84	75	68	100	64	100	94	90	100	90	9
71.	122035	68	100	20	80	92	80	76	90	50	80	7
72.	122302	76	75	56	100	98	100	96	90	A	90	5
73.	122014	44	75	56	90	84	100	40	90	52	90	8
74.	122053	84	75	78	100	96	100	50	100	96	90	9
75.	122114	92	75	64	100	90	100	90	100	92	90	6
76.	122315	76	75	44	100	70	100	30	90	A	90	6
77.	122011	88	75	72	100	80	100	88	90	92	90	8
78.	122013	84	75	92	100	92	100	96	100	94	100	8
79.	122303	100	75	80	90	84	100	90	100	92	90	8
80.	122120	84	75	76	100	100	100	88	100	96	90	9
81.	122009	100	75	84	100	96	100	88	100	96	90	8
82.	122042	68	75	68	100	64	100	80	100	88	90	7
83.	122111	84	100	64	80	84	80	32	90	A	90	7
84.	122043	84	75	52	80	52	90	94	90	96	90	7
85.	122032	100	75	84	100	94	100	82	90	96	100	8
86.	122027	92	75	100	100	92	100	100	100	96	100	8
87.	122118	48	100	64	80	80	90	60	80	88	80	7
88.	122018	92	75	60	100	64	100	78	100	88	90	8
89.	122002	60	75	68	100	68	100	76	100	88	100	8
90.	122311	84	100	32	60	68	60	68	60	84	80	6
91.	132923	96	30	72	100	56	100	52	100	84	0	8
92.	132932	68	A	60	100	36	0	72	0	80	0	
93.	132904	40	A	0	100	26	0	22	0	52	0	

94.	132921	80	40	72	0	28	0	0	0	76	0	7
95.	132928	80	60	64	100	44	100	56	100	96	0	9
96.	132908	52	40	84	100	40	0	48	0	68	0	9
97.	132907	76	40	76	100	88	0	80	0	84	100	7
98.	132936	96	60	88	100	88	100	96	100	80	100	9
99.	132915	68	30	36	100	60	100	48	100	64	0	8
100	132929	92	50	76	100	72	100	64	100	52	0	7
101	132911	64	50	80	100	92	100	60	100	88	100	7
102	132914	92	60	72	100	44	100	56	100	88	0	7
103	132919	92	50	68	100	56	0	64	0	80	0	6
104	132930	44	50	64	100	60	100	56	100	88	100	7
105	132927	80	100	56	100	68	100	32	100	92	100	7
106	132910	92	100	84	100	92	100	80	100	96	100	9
107	132941	64	100	36	100	0	100	12	100	60	100	5
108	132922	72	100	48	100	72	100	68	100	88	100	5
109	132938	76	100	40	100	64	100	72	100	84	100	6
110	132912	92	100	56	100	92	100	60	100	72	100	7
111	132906	0	100	40	90	56	60	56	60	88	80	5
112	132939	84	100	40	100	80	100	80	100	88	100	7
113	132917	60	100	40	100	44	100	56	100	76	100	7
114	132909	88	100	66	100	92	100	72	100	92	100	8
115	132924	68	100	68	100	48	100	16	100	76	100	7
116	132905	16	100	28	100	28	100	28	100	56	100	5
117	132916	72	100	44	100	48	100	64	100	72	100	6
118	132902	52	100	52	100	64	100	20	100	80	100	5
119	132937	80	100	68	100	80	100	80	90	92	90	7
120	132940	72	100	56	100	76	100	82	90	84	90	7
121	132926	84	75	96	100	88	100	90	90	93.3	100	8
122	132925	68	75	64	100	28	100	56	100	88	90	7
123	132903	36	75	16	90	88	90	12	90	60	80	6
124	132931	72	100	40	100	60	100	68	90	84	100	5
125	132933	60	100	56	100	70	100	56	80	64	90	6
126	132918	76	100	56	100	68	100	56	100	70	90	5
127	132901	44	100	28	80	72	80	12	70	76	90	5
128	132920	72	75	56	100	86	100	32	100	92	90	7
129	132913	56	100	44	90	12	80	56	70	92	90	7
130	132935	68	75	44	100	52	100	72	80	84	90	5
131	132934	64	100	64	100	76	100	56	90	72	90	7
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks		83.21	75.2	53.44	90.08	72.09	80.15	61.24	79.39	86.72	78.63	70.99
Level Obtained		3	2	0	3	2	3	1	2	3	2	2

Survey	C311.1	C311.2	C311.3	C311.4	C311.5
Survey in %	95.91	94.27	94.06	93.58	95.37
Level Obtained	3	3	3	3	3

Course Outcome Attainment – C311:

Course	Test	Assign	Seminar	Quiz	IA	AU	Survey	Attainment Level
C311.1	3	0	0	2	2.8	2	3	2.46
C311.2	0	3	0	0	0.9	2	3	1.85
C311.3	2	3	0	0	2.3	2	3	2.3
C311.4	1	2	0	0	1.3	2	3	1.98
C311.5	3	0	2	0	2.8	2	3	2.46
C311								**2.21**

C311.1

Attainment level = 0.8*{(0.4*[(0.8*Internal Test) + (0.2*Quiz)]) + (0.6*AU)} + 0.2*Survey

C311.2, C311.3 & C311.4

Attainment level = 0.8*{(0.4*[(0.7*Internal Test) + (0.3*Assignment)]) + (0.6*AU)} +

0.2*Survey

C311.5

Attainment level = 0.8*{(0.4*[(0.8*Internal Test) + (0.2*Seminar)]) + (0.6*AU)} + 0.2*Survey

$$C311 = \frac{(C311.1 + C311.2 + C311.3 + C311.4 + C311.5)}{5} = 2.21$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: High Voltage Engineering C401

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

S. No	Roll No	C401.1		C401.2			C401.3		C401.4		C401.5			AU Marks
		CO1	Q1	CO2	A1	S1	CO3	A2	CO4	A3	CO5	S2	Q2	
1.	122301	64	A	80	100	90	56	100	68	100	96	90	90	80
2.	122108	72	40	40	100	100	60	90	64	100	92	100	80	80
3.	122048	68	100	44	100	90	64	100	36	100	84	100	80	50
4.	122308	36	40	20	80	70	64	90	76	90	84	100	80	70
5.	122119	60	40	0	80	60	48	80	52	90	52	100	80	50
6.	122122	56	40	44	80	90	20	90	56	80	76	100	80	70
7.	122110	A	40	A	90	100	56	90	68	100	68	100	80	60
8.	122039	96	100	88	100	90	92	100	88	100	96	100	90	80
9.	122107	92	40	76	100	90	84	100	72	100	88	100	80	70
10.	122037	88	100	92	100	90	80	100	92	100	96	100	90	70
11.	122026	92	100	88	100	90	88	100	76	100	96	100	90	80
12.	122019	68	100	76	100	100	84	100	92	100	72	100	80	80
13.	122309	36	40	28	80	70	56	90	48	80	52	90	80	50
14.	122012	64	100	76	100	90	36	100	76	100	96	100	90	70
15.	122049	72	100	40	100	90	28	100	72	90	76	100	90	50
16.	122007	60	100	64	100	90	56	100	64	100	96	80	80	70
17.	122017	64	40	52	90	80	44	90	72	100	96	80	80	70
18.	122045	88	100	40	100	90	16	90	52	100	64	100	80	0
19.	122030	68	100	68	100	90	72	100	28	100	84	100	90	50
20.	122106	36	100	68	100	80	68	100	32	80	92	90	80	50
21.	122052	44	100	92	100	90	68	100	32	100	96	100	90	0
22.	122112	24	40	36	100	70	28	100	24	90	56	100	80	0
23.	122005	92	100	84	100	90	80	100	84	100	96	100	90	80
24.	122029	44	40	64	80	90	68	90	56	100	96	100	80	70
25.	122025	40	40	60	80	90	A	100	A	100	88	100	80	50
26.	122314	72	100	28	100	90	76	100	60	100	76	100	80	50
27.	122051	52	100	52	100	80	52	100	48	100	76	90	90	50
28.	122047	28	40	28	80	60	28	90	0	80	52	80	80	50
29.	122306	44	100	56	80	90	20	90	32	90	90	90	80	0
30.	122036	96	100	80	90	90	92	100	92	100	96	100	90	90
31.	122116	48	100	52	60	70	52	70	48	80	52	100	90	0
32.	122001	36	80	25	60	80	52	80	60	90	60	90	90	0
33.	122041	16	80	44	70	90	80	80	64	90	96	90	100	70
34.	122104	72	80	72	100	A	84	100	32	100	96	100	100	70
35.	122040	52	80	80	100	90	36	90	76	100	96	100	100	60
36.	122117	84	80	96	100	90	76	100	92	100	96	100	100	80
37.	122102	60	80	72	100	90	76	100	48	100	100	100	100	70
38.	122109	88	80	80	100	90	68	100	40	100	96	100	100	70
39.	122050	84	80	44	100	90	92	100	40	100	96	100	100	70
40.	122054	72	100	64	60	70	72	70	60	90	88	90	90	50
41.	122024	88	80	76	100	90	84	100	84	100	96	100	100	80
42.	122010	64	80	56	100	90	72	90	64	100	92	100	100	70

43.	122004	84	80	80	100	90	72	100	72	100	96	100	100	80
44.	122015	40	100	60	60	70	72	70	76	90	88	90	100	50
45.	122313	68	100	88	80	80	92	70	68	100	84	100	100	70
46.	122023	88	80	80	100	90	84	100	92	100	96	100	100	80
47.	122033	96	80	80	100	100	88	100	92	100	96	100	100	80
48.	122312	76	80	72	100	80	84	100	64	100	96	100	100	60
49.	122021	72	80	52	90	80	28	100	20	100	68	90	90	0
50.	122022	68	80	88	100	90	88	100	92	100	92	100	100	80
51.	122304	84	80	80	100	90	92	100	92	100	96	100	100	80
52.	122008	76	80	92	100	90	96	100	68	100	96	100	100	80
53.	122044	24	80	32	100	80	68	100	48	100	72	90	100	60
54.	122006	92	80	76	80	90	92	100	88	100	96	100	100	80
55.	122038	68	100	68	80	70	48	90	56	100	96	90	90	50
56.	122105	44	100	56	100	70	68	100	56	100	68	90	90	70
57.	122101	61	100	57	80	70	52	90	48	90	96	90	90	60
58.	122034	95	80	62	100	90	88	100	72	100	92	100	100	80
59.	122316	80	80	76	100	90	84	100	84	100	96	100	100	90
60.	122305	76	100	24	80	70	76	90	32	90	96	80	90	70
61.	122028	24	50	20	60	60	16	100	56	80	56	90	80	0
62.	122046	32	80	84	100	100	44	100	88	100	88	100	90	50
63.	122003	92	80	60	100	100	88	100	88	100	88	100	90	90
64.	122113	16	50	32	80	60	28	90	72	80	72	90	80	0
65.	122103	32	50	0	80	100	52	90	52	100	52	90	90	0
66.	122310	96	100	36	100	90	84	100	84	100	84	90	90	70
67.	122031	52	A	60	60	80	48	100	32	100	32	100	90	50
68.	122115	24	100	16	80	100	68	100	84	100	84	90	80	50
69.	122307	64	80	80	100	100	60	100	76	100	76	100	90	50
70.	122016	76	100	80	80	100	76	90	88	100	88	90	90	80
71.	122035	28	50	8	60	60	44	100	52	100	52	70	90	50
72.	122302	64	100	64	80	100	84	100	80	80	88	70	80	60
73.	122014	60	100	60	80	100	44	100	80	100	80	70	90	70
74.	122053	68	80	64	100	100	28	100	76	100	76	100	90	60
75.	122114	68	80	80	90	100	48	100	88	100	88	90	90	50
76.	122315	92	100	20	70	80	44	100	64	70	64	80	80	70
77.	122011	80	100	80	90	100	64	100	88	100	88	100	80	70
78.	122013	64	80	76	100	100	76	100	92	100	92	100	80	90
79.	122303	60	80	48	70	100	25	100	12	100	76	100	80	70
80.	122120	76	80	76	100	100	96	100	92	100	92	100	80	70
81.	122009	84	80	80	100	100	88	100	88	100	92	100	90	90
82.	122042	64	80	64	100	100	72	100	48	100	96	100	90	50
83.	122111	28	50	36	80	60	88	90	12	80	32	70	80	50
84.	122043	64	100	68	80	70	100	90	52	80	88	80	90	70
85.	122032	88	100	84	80	70	84	90	28	80	92	80	90	70
86.	122027	80	100	96	100	100	80	90	76	100	88	100	90	80
87.	122118	24	50	56	80	60	72	100	68	70	36	70	80	50
88.	122018	36	50	68	100	100	68	100	60	100	92	100	80	70

89.	122002	56	100	56	90	80	68	80	40	100	84	60	80	50
90.	122311	16	50	68	80	60	A	80	A	70	0	60	90	0
91.	132923	20	40	0	90	90	32	90	40	80	72	100	80	50
92.	132932	60	40	40	80	80	24	90	20	90	80	100	80	50
93.	132904	32	40	36	80	70	366	90	0	100	64	100	80	0
94.	132921	12	40	40	90	60	64	100	4	100	64	100	80	50
95.	132928	52	40	4	90	80	24	100	4	100	84	100	80	60
96.	132908	32	100	72	90	80	76	100	76	100	64	100	80	70
97.	132907	28	100	44	70	70	68	100	72	100	68	90	80	70
98.	132936	64	100	40	100	90	72	100	52	100	96	100	80	70
99.	132915	52	100	48	100	80	56	100	60	100	96	100	80	70
100	132929	60	100	48	90	70	28	100	44	100	84	90	80	70
101	132911	52	100	68	100	80	88	100	92	100	92	100	80	80
102	132914	28	100	44	100	70	88	80	84	100	84	100	80	50
103	132919	16	100	20	100	80	44	100	56	100	88	90	80	50
104	132930	33	40	36	90	100	60	100	56	100	64	100	80	50
105	132927	44	100	56	80	70	64	90	44	100	60	90	100	60
106	132910	72	80	84	100	90	76	100	92	100	92	100	100	80
107	132941	10	80	20	80	90	60	100	44	90	60	100	100	0
108	132922	44	100	24	100	70	68	100	60	100	92	90	100	80
109	132938	43	80	58	100	70	72	100	44	100	84	80	100	60
110	132912	60	80	40	90	60	64	100	60	100	80	80	100	50
111	132906	4	90	0	60	90	52	60	0	50	A	80	70	0
112	132939	52	80	47	60	70	52	100	56	100	84	90	90	50
113	132917	38	80	0	60	70	48	100	8	100	88	80	90	60
114	132909	92	100	64	70	100	60	100	92	100	96	100	100	80
115	132924	24	80	36	100	90	52	100	48	100	80	100	100	70
116	132905	28	80	0	80	80	44	100	8	90	52	80	100	0
117	132916	60	80	40	100	90	56	100	44	90	64	90	100	50
118	132902	44	100	16	70	80	64	100	80	100	52	80	100	50
119	132937	64	50	44	80	80	72	90	60	80	84	80	90	80
120	132940	60	50	40	60	80	76	100	4	100	88	80	80	50
121	132926	82	100	64	80	100	80	90	100	100	88	80	80	70
122	132925	28	100	40	100	100	52	100	0	100	68	80	90	0
123	132903	0	100	12	80	100	48	100	4	100	68	80	80	0
124	132931	28	50	88	100	100	60	100	60	100	76	100	80	50
125	132933	48	50	52	100	80	60	80	0	80	76	100	80	50
126	132918	56	50	52	70	80	40	100	36	80	60	90	80	60
127	132901	0	50	0	60	60	40	90	44	80	72	70	90	0
128	132920	0	100	68	60	100	52	100	24	100	88	100	90	50
129	132913	72	80	40	100	100		100		100	40	100	90	50
130	132935	44	50	40	80	100	68	100	64	100	80	100	80	70
131	132934	36	50	40	100	100	32	60	36	100	88	100	80	60

	C401.1		C401.2			C401.3		C401.4		C401.5			AU
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks	CO1	Q1	CO2	A1	S1	CO3	A2	CO4	A3	CO5	S2	Q2	
	53.85	73.64	46.92	84.73	91.54	61.24	95.42	52.71	96.95	88.46	98.47	100	47.33
Level Obtained	0	2	0	3	3	1	3	0	3	3	3	3	0

Survey:

Survey	C401.1	C401.2	C401.3	C401.4	C401.5
Survey in %	96.07	95.23	94.44	95.12	95.2
Level Obtained	3	3	3	3	3

Attainment Calculation:

Course Outcome Attainment – C401:

Course	Internal Test	A	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C401.1	0	-	-	2	0.4	0	0.16	3	0.73
C401.2	0	3	3	-	0.9	0	0.36	3	0.89
C401.3	1	3	-	-	1.6	0	0.64	3	1.11
C401.4	0	3	-	-	0.9	0	0.36	3	0.89
C401.5	3	-	3	3	3	0	1.2	3	1.56
C401									**1.04**

Formula for Attainment Calculations:

CO	Attainment = (0.6*AU + 0.4*IA)	
	External Assessment (AU)	**Internal Assessment (IA)**
C401.1	AU Exam	[0.8*CO1 + 0.2*Quiz1]
C401.2	AU Exam	[0.7*CO2 + 0.2*Assignment1 + 0.1*Seminar1]
C401.3	AU Exam	[0.7*CO3 + 0.3*Assignment2]
C401.4	AU Exam	[0.7*CO4 + 0.3*Assignment3]
C401.5	AU Exam	[0.8*CO5 + 0.1*Seminar2 + 0.1*Quiz2]

Overall Attainment:

$$C401 = \frac{C401.1 + C401.2 + C401.3 + C401.4 + C401.5}{5} = 1.04$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Microprocessor & Controller C302

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

S.No.	Roll No	C302.1		C302.2			C302.3		C302.4		C302.5	AU
		CO1	A1	CO2	A2	Q1	CO3	A3	CO4	S1	CO5	Marks
1	122301	80	100	54	70	80	80	60	64	80	76	70
2	122108	64	90	36	80	90	64	70	60	90	60	70
3	122048	36	90	12	80	80	84	80	60	80	68	70
4	122308	A	0	A	70	60	72	70	32	70	64	50
5	122119	48	0	12	50	70	100	50	60	75	50	50
6	122122	72	80	52	70	70	64	80	84	75	50	50
7	122110	62	90	38	80	80	100	80	52	70	52	50
8	122039	92	90	68	90	90	92	90	64	90	76	50
9	122107	52	80	80	80	90	68	80	84	80	64	90
10	122037	64	90	84	90	90	92	90	56	90	72	80
11	122026	84	100	100	90	100	88	100	76	100	80	90
12	122019	64	80	64	80	80	92	80	68	90	64	70
13	122309	56	0	0	0	70	80	50	36	55	32	50
14	122012	68	90	36	90	90	60	70	64	100	72	70
15	122049	68	90	52	80	90	92	90	48	75	60	50
16	122007	48	80	36	80	90	68	80	76	80	60	80
17	122017	52	0	48	80	80	80	80	44	75	65	60
18	122045	70	0	30	80	70	68	80	48	80	60	50
19	122030	84	90	56	90	80	84	100	52	85	68	70
20	122106	12	80	40	70	80	80	80	44	75	64	70
21	122052	68	70	48	70	60	76	80	40	65	52	50
22	122112	36	0	48	70	70	64	0	44	55	52	50
23	122005	72	90	72	90	90	80	80	80	85	92	80
24	122029	56	0	44	50	70	52	60	84	75	76	50
25	122025	48	0	24	0	80	76	50	48	60	64	70
26	122314	64	70	36	70	80	64	60	56	65	76	50
27	122051	64	80	48	50	90	80	60	48	70	72	60
28	122047	A	0	A	70	70	92	0	24	30	76	50
29	122306	20	70	52	80	60	64	0	20	60	60	0
30	122036	88	90	88	100	90	92	90	80	80	92	70
31	122116	64	50	36	70	80	64	60	12	60	52	50
32	122001	48	50	36	70	80	76	70	24	75	56	0
33	122041	64	40	4	60	80	56	70	20	50	64	50
34	122104	92	90	32	100	100	64	100	76	85	96	60
35	122040	56	90	84	100	100	80	100	60	85	92	80
36	122117	76	100	88	100	100	80	90	48	95	96	90
37	122102	96	90	20	100	100	88	100	56	85	92	50
38	122109	84	100	52	100	100	84	100	52	95	96	70
39	122050	84	100	36	100	100	56	100	84	100	72	70
40	122054	68	50	8	70	80	80	80	24	55	52	50
41	122024	76	100	68	100	100	96	100	68	95	92	80
42	122010	96	100	48	100	100	72	100	72	95	84	60
43	122004	80	100	72	100	100	88	100	64	95	92	80
44	122015	56	50	8	60	80	68	70	24	55	72	50

45	122313	60	50	40	70	90	A	70	A	55	76	**50**
46	122023	76	100	76	100	100	88	100	80	95	88	**70**
47	122033	88	100	88	100	100	72	100	64	95	88	**70**
48	122312	44	90	32	100	90	64	90	60	70	72	**80**
49	122021	28	50	5	60	70	24	70	4	60	56	**60**
50	122022	A	100	A	100	100	84	100	48	95	92	**70**
51	122304	A	100	A	100	100	76	100	64	95	88	**70**
52	122008	96	100	64	100	100	76	100	60	95	88	**90**
53	122044	36	100	28	100	80	68	100	32	80	52	**50**
54	122006	72	100	56	100	100	56	100	56	100	80	**80**
55	122038	64	50	56	80	90	68	80	32	65	72	**60**
56	122105	56	50	32	70	80	32	80	68	60	60	**70**
57	122101	56	50	48	70	90	76	70	24	65	76	**60**
58	122034	76	90	84	100	100	80	90	80	95	88	**60**
59	122316	76	80	56	100	100	68	90	68	85	92	**70**
60	122305	A	50	A	70	90	84	80	52	60	76	**50**
61	122028	8	90	16	90	70	32	70	12	65	52	**50**
62	122046	40	90	4	100	100	64	100	44	95	52	**50**
63	122003	76	100	73	100	100	84	100	60	90	68	**70**
64	122113	32	40	16	50	70	12	70	36	80	52	**50**
65	122103	36	50	32	60	70	32	60	24	25	36	**0**
66	122310	64	80	60	100	100	48	80	72	90	72	**50**
67	122031	8	50	16	60	70	68	70	12	30	56	**50**
68	122115	56	90	28	100	90	20	80	68	80	56	**0**
69	122307	64	100	76	100	100	68	100	40	95	76	**60**
70	122016	64	90	44	100	100	80	90	20	55	72	**80**
71	122035	64	50	40	60	70	84	80	36	50	52	**50**
72	122302	68	100	40	100	70	64	80	8	95	52	**70**
73	122014	28	100	44	100	90	52	90	20	85	60	**50**
74	122053	84	90	64	100	100	A	100	A	85	64	**80**
75	122114	72	90	28	100	100	80	100	20	75	60	**70**
76	122315	8	90	52	100	80	4	80	32	85	28	**60**
77	122011	72	100	80	100	100	84	90	40	95	80	**50**
78	122013	76	100	16	100	100	68	100	56	95	68	**70**
79	122303	76	50	48	80	100	84	100	48	95	60	**70**
80	122120	72	90	68	100	100	76	100	56	95	52	**70**
81	122009	96	90	96	100	100	76	100	68	100	80	**70**
82	122042	76	80	36	100	100	A	100	A	85	56	**50**
83	122111	80	90	20	100	80	76	80	56	85	56	**50**
84	122043	A	50	A	70	60	60	90	4	55	52	**50**
85	122032	64	100	48	100	100	80	90	44	95	56	**80**
86	122027	100	100	92	100	100	88	100	92	95	96	**70**
87	122118	36	50	0	60	70	68	60	0	75	8	**50**
88	122018	80	90	52	100	90	84	100	40	95	72	**70**
89	122002	36	100	12	100	80	68	80	32	85	56	**70**
90	122311	0	0	0	50	40	16	0	16	20	0	**0**
91	132923	A	80	A	70	70	88	0	48	65	68	**60**
92	132932	40	90	24	80	80	80	80	20	70	56	**50**
93	132904	60	70	40	50	60	A	0	A	50	52	**0**

94	132921	52	0	48	80	90	60	90	40	65	72	**50**
95	132928	64	80	52	80	90	92	90	32	75	80	**70**
96	132908	88	90	72	80	80	88	80	52	85	76	**60**
97	132907	48	80	32	70	80	76	0	36	70	80	**50**
98	132936	72	80	56	80	70	84	70	68	80	76	**70**
99	132915	52	90	56	80	70	84	70	48	85	50	**70**
100	132929	52	90	52	60	60	92	60	48	75	76	**50**
101	132911	80	80	68	70	70	88	70	44	75	84	**70**
102	132914	56	80	36	70	70	80	70	44	75	68	**70**
103	132919	48	80	24	70	60	68	60	56	75	88	**50**
104	132930	40	90	24	80	70	72	60	44	65	84	**50**
105	132927	36	40	41	60	70	80	70	8	50	80	**50**
106	132910	68	90	80	100	100	84	90	64	100	92	**70**
107	132941	44	50	32	80	90	20	80	16	85	92	**50**
108	132922	40	80	40	100	80	56	90	36	55	84	**80**
109	132938	28	80	32	100	80	76	90	52	75	88	**70**
110	132912	36	90	12	100	70	44	90	36	65	92	**60**
111	132906	0	50	0	60	50	60	0	48	20	A	**0**
112	132939	40	80	16	100	70	80	80	40	85	76	**50**
113	132917	32	80	40	80	70	76	80	32	70	88	**70**
114	132909	68	90	84	100	100	88	90	52	85	92	**80**
115	132924	32	50	16	70	80	64	70	36	75	84	**60**
116	132905	48	40	8	70	70	4	70	4	70	72	**0**
117	132916	44	80	44	100	100	80	90	40	90	84	**60**
118	132902	72	90	16	100	80	52	90	28	55	92	**50**
119	132937	64	100	68	100	90	64	80	44	90	84	**50**
120	132940	44	90	16	100	70	52	80	32	80	56	**50**
121	132926	96	90	32	100	100	96	100	64	100	88	**70**
122	132925	20	100	4	100	80	4	80	36	75	56	**50**
123	132903	68	50	20	70	70	44	70	16	55	40	**50**
124	132931	68	50	72	60	100	52	80	60	100	72	**0**
125	132933	A	50	A	70	90	76	80	12	95	56	**50**
126	132918	28	50	4	60	70	40	80	0	45	64	**50**
127	132901	A	50	A	60	70	A	70	A	40	56	**0**
128	132920	96	100	52	100	100	72	100	28	95	76	**70**
129	132913	44	90	60	100	90	84	80	16	90	52	**60**
130	132935	4	90	48	100	80	68	80	4	55	40	**70**
131	132934	76	50	24	70	80	68	80	0	85	68	**0**

Course	C302.1		C302.2			C302.3		C302.4		C302.5	AU
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks	CO1	A1	CO2	A2	Q1	CO3	A3	CO4	S	CO5	
	55.74	66.41	24.59	64.12	93.13	80.95	67.94	29.37	78.63	70.77	91.6
Level Obtained	0	1	0	1	3	3	1	0	2	2	3

Survey:

Survey	C302.1	C302.2	C302.3	C302.4	C302.5
Survey in %	93.58	92.85	92.84	92.58	92.38
Level Obtained	3	3	3	3	3

Attainment Calculation:

Course Outcome Attainment – C302:

Course	Internal Test	A	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall attainment
C302.1	0	1	-	-	0.3	3	1.92	3	2.14
C302.2	0	1	-	3	0.5	3	2	3	2.2
C302.3	3	1	-	-	2.4	3	2.76	3	2.81
C302.4	0	-	2	-	0.4	3	1.96	3	2.17
C302.5	2	-	-	-	2	3	2.6	3	2.68
C302									**2.4**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C302) Overall Attainment 2.4
	External Assessment (AU)		
C302.1	AU Exam	[0.8*CO + 0.2*Survey]	[0.8*CO + 0.2*Survey]
C302.2	AU Exam	[0.8*CO + 0.2*Survey]	[0.8*CO + 0.2*Survey]
C302.3	AU Exam	[0.8*CO + 0.2*Survey]	[0.8*CO + 0.2*Survey]
C302.4	AU Exam	[0.8*CO + 0.2*Survey]	[0.8*CO + 0.2*Survey]
C302.5	AU Exam	[0.8*CO + 0.2*Survey]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C302 = \frac{C302.1 + C302.2 + C302.3 + C302.4 + C302.5}{5} = 2.4$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Design of Electrical Machines C314

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

S. No	Roll No	C314.1			C314.2			C314.3			C314.4		C314.5		AU Marks
		CO1	A1	T1	CO2	A2	T2	CO3	A3	T3	CO4	T4	CO5	T5	
1.	122301	96	90	80	96	80	80	74	80	80	74	80	100	80	9
2.	122108	66	70	80	66	70	80	60	70	80	60	80	36	80	7
3.	122048	66	70	80	66	70	80	60	70	80	60	80	36	80	7
4.	122308	42	70	80	42	70	80	40	70	80	40	80	48	80	6
5.	122119	60	70	80	60	70	80	48	70	80	48	80	56	80	7
6.	122122	58	70	80	58	70	80	54	70	80	54	80	100	80	8
7.	122110	38	70	80	38	70	80	46	70	80	46	80	52	80	7
8.	122039	90	80	80	90	90	80	82	70	80	82	80	100	80	8
9.	122107	84	70	80	84	90	80	92	90	80	92	80	96	80	10
10.	122037	90	70	80	90	80	80	82	90	80	82	80	96	80	10
11.	122026	98	90	80	98	90	80	98	70	80	98	80	96	80	10
12.	122019	92	70	80	92	70	80	70	70	80	70	80	100	80	9
13.	122309	A	70	80	A	70	80	62	70	80	62	80	20	80	5
14.	122012	72	90	80	72	70	80	38	70	80	38	80	88	80	8
15.	122049	66	70	80	66	70	80	44	70	80	44	80	92	80	7
16.	122007	78	70	80	78	70	80	76	70	80	76	80	64	80	9
17.	122017	52	70	80	52	70	80	12	70	80	12	80	40	80	6
18.	122045	76	70	80	76	70	80	40	70	80	40	80	84	80	8
19.	122030	70	70	80	70	70	80	46	70	80	46	80	88	80	8
20.	122106	42	70	80	42	80	80	68	80	80	68	80	44	80	6
21.	122052	36	70	80	36	80	80	64	90	80	64	80	44	80	7
22.	122112	42	80	80	42	70	80	56	70	80	56	80	64	80	7
23.	122005	90	90	80	90	90	80	86	70	80	86	80	100	80	9
24.	122029	44	70	80	44	80	80	28	70	80	28	80	68	80	8
25.	122025	40	70	80	40	70	80	56	70	80	56	80	88	80	9
26.	122314	50	70	80	50	70	80	34	70	80	34	80	100	80	6
27.	122051	58	70	80	58	80	80	20	70	80	20	80	36	80	7
28.	122047	6	70	80	6	70	80	10	70	80	10	80	68	80	6
29.	122306	28	70	80	28	70	80	34	70	80	34	80	64	80	5
30.	122036	96	80	80	96	90	80	66	70	80	66	80	100	80	10
31.	122116	82	70	50	20	70	70	56	0	70	64	80	24	90	5
32.	122001	48	80	40	16	60	60	36	0	70	68	80	28	90	5
33.	122041	76	0	80	76	0	80	44	70	90	56	80	68	80	8
34.	122104	88	90	80	64	70	90	40	80	90	84	90	92	80	10
35.	122040	64	80	80	76	70	90	52	100	90	36	80	60	90	9
36.	122117	84	80	100	96	70	90	76	100	80	84	90	76	80	8
37.	122102	84	90	80	56	70	100	68	80	90	60	80	40	90	9
38.	122109	100	90	80	96	70	100	72	100	80	84	90	68	80	9
39.	122050	72	80	80	72	70	90	52	80	80	84	90	76	90	8
40.	122054	84	80	60	88	70	80	84	0	80	92	100	68	80	7
41.	122024	96	80	100	96	80	90	100	80	70	80	100	100	80	9
42.	122010	60	90	90	64	70	80	56	0	80	84	80	64	90	8
43.	122004	76	80	90	80	70	80	92	100	90	96	80	92	90	10
44.	122015	84	80	70	64	0	70	52	0	90	64	90	60	100	9
45.	122313	56	90	90	44	70	80	72	100	90	64	80	52	100	8
46.	122023	72	80	90	88	70	90	32	80	90	84	80	96	80	9

47.	122033	88	80	100	88	70	90	92	100	80	92	90	84	80	9
48.	122312	48	80	70	52	70	60	60	90	90	92	100	72	80	7
49.	122021	0	70	70	40	70	60	64	0	90	32	90	52	90	6
50.	122022	96	80	90	96	70	90	72	80	90	80	60	76	90	9
51.	122304	92	80	100	56	50	100	44	80	80	72	80	48	80	9
52.	122008	36	80	60	40	70	60	28	80	90	12	90	48	90	9
53.	122044	96	90	70	100	60	100	84	100	90	76	80	64	80	5
54.	122006	100	90	80	100	80	100	72	100	80	64	100	72	90	9
55.	122038	60	80	90	40	50	60	40	100	90	48	100	72	90	8
56.	122105	68	80	60	56	70	80	56	60	70	48	100	76	90	8
57.	122101	16	0	60	28	80	70	20	80	60	16	80	64	80	7
58.	122034	64	60	90	92	70	80	52	100	90	80	90	100	90	8
59.	122316	88	90	90	68	60	80	52	70	90	84	80	100	90	9
60.	122305	A	70	80	A	0	80	64	100	90	80	80	72	80	10
61.	122028	32	0	60	36	0	70	32	0	80	88	100	68	100	7
62.	122046	56	80	90	64	50	60	20	80	80	40	100	72	100	7
63.	122003	96	90	100	96	80	60	88	100	80	80	100	96	100	10
64.	122113	28	0	60	20	0	70	40	0	80	40	80	52	80	7
65.	122103	60	0	60	60	0	60	68	0	90	28	90	36	90	6
66.	122310	80	80	90	56	60	70	52	80	90	76	90	84	90	9
67.	122031	20	0	60	36	0	60	48	0	60	52	80	80	80	7
68.	122115	52	60	90	68	70	80	64	90	80	84	80	68	80	9
69.	122307	56	100	90	92	80	80	88	100	80	88	60	88	60	8
70.	122016	92	80	90	88	60	70	80	100	90	80	80	96	80	8
71.	122035	40	0	90	52	0	80	36	0	100	32	80	68	80	7
72.	122302	68	60	90	72	60	70	80	0	80	80	90	72	90	6
73.	122014	52	90	70	96	80	60	76	0	100	52	80	72	90	7
74.	122053	76	70	90	76	80	70	A	90	80	A	80	80	90	8
75.	122114	36	80	80	76	70	70	32	100	90	12	90	72	80	8
76.	122315	28	60	80	32	60	80	36	90	90	30	80	52	90	7
77.	122011	68	60	80	76	60	80	76	90	70	84	80	72	100	8
78.	122013	72	100	100	96	80	60	56	90	60	80	100	84	80	8
79.	122303	64	60	100	72	60	90	52	100	70	80	100	88	90	8
80.	122120	84	70	100	88	70	80	80	100	80	80	100	96	100	8
81.	122009	100	100	100	100	80	80	72	100	90	96	80	96	90	8
82.	122042	72	60	90	72	80	80	28	0	100	84	90	88	100	7
83.	122111	64	0	90	68	0	80	52	0	100	60	90	88	100	9
84.	122043	68	70	90	96	60	80	84	0	80	88	80	88	100	9
85.	122032	72	80	80	96	60	90	88	0	80	60	80	84	100	10
86.	122027	96	90	90	96	70	90	56	90	80	88	80	80	90	8
87.	122118	8	0	80	56	0	90	16	60	90	24	80	48	100	7
88.	122018	68	90	80	72	90	80	56	100	60	36	90	100	80	8
89.	122002	44	80	80	36	60	70	56	90	60	92	80	40	70	8
90.	122311	24	0	70	16	0	60	12	0	70	4	70	A	80	
91.	132923	A	70	80	A	70	80	40	70	80	40	80	88	80	6
92.	132932	26	70	80	26	70	80	46	70	80	46	80	92	80	5
93.	132904	22	70	80	22	70	80	16	70	80	16	80	56	80	
94.	132921	52	70	80	52	70	80	32	70	80	32	80	92	80	
95.	132928	16	70	80	16	70	80	64	70	80	64	80	100	80	5
96.	132908	86	70	80	86	70	80	66	70	80	66	80	88	80	7
97.	132907	42	70	80	42	70	80	34	70	80	34	80	88	80	7

98.	132936	64	70	80	64	70	80	80	70	80	80	80	100	80	10
99.	132915	70	70	80	70	70	80	54	70	80	54	80	48	80	9
100.	132929	62	70	80	62	70	80	68	70	80	68	80	92	80	9
101.	132911	62	70	80	62	70	80	64	70	80	64	80	76	80	8
102.	132914	74	70	80	74	70	80	52	70	80	52	80	96	80	5
103.	132919	36	70	80	36	70	80	50	70	80	50	80	88	80	5
104.	132930	20	70	80	20	70	80	58	70	80	58	80	92	80	6
105.	132927	36	70	90	4	50	90	60	70	80	24	80	64	90	7
106.	132910	88	80	90	80	70	90	76	70	80	68	80	96	90	9
107.	132941	32	40	60	72	70	80	20	0	70	44	80	76	80	6
108.	132922	40	100	60	20	70	70	52	60	60	48	80	76	80	5
109.	132938	64	70	60	12	70	70	48	0	80	72	70	96	90	5
110.	132912	60	60	60	48	60	60	40	100	80	44	60	96	90	8
111.	132906	0	0	60	0	0	60	48	0	60	48	70	A	90	
112.	132939	40	90	70	84	70	90	64	0	100	60	80	72	80	7
113.	132917	48	80	70	0	50	90	36	60	100	16	90	76	90	5
114.	132909	96	80	70	68	70	90	72	100	100	80	90	72	90	9
115.	132924	4	60	60	32	0	90	60	0	80	52	90	68	90	5
116.	132905	8	60	70	0	60	90	2	0	90	0	80	56	90	
117.	132916	36	90	70	12	70	90	56	90	100	8	80	64	80	5
118.	132902	44	80	70	48	60	90	68	0	100	52	90	60	80	7
119.	132937	52	70	50	64	0	60	48	0	60	76	80	72	100	8
120.	132940	44	90	80	4	70	80	40	80	60	44	80	68	100	5
121.	132926	76	70	70	72	90	60	84	0	70	84	90	96	80	8
122.	132925	40	80	80	36	60	80	48	0	40	60	80	36	80	5
123.	132903	8	0	70	0	60	90	24	100	40	12	60	A	80	5
124.	132931	A	60	70	A	0	80	68	0	80	52	70	24	70	6
125.	132933	56	60	80	100	60	80	40	0	80	48	80	60	80	5
126.	132918	24	80	80	36	80	70	20	90	80	4	80	28	70	5
127.	132901	12	0	90	12	0	70	84	0	80	12	90	72	70	5
128.	132920	80	70	80	48	70	60	40	0	70	16	90	96	80	8
129.	132913	56	70	80	48	70	50	72	90	80	8	90	8	90	7
130.	132935	28	0	80	4	60	60	44	90	70	28	90	20	80	5
131.	132934	48	70	60	0	60	40	56	80	90	8	90	28	90	6
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks		53.54	79.39	86.26	53.54	68.7	84.73	42.31	72.52	91.6	51.54	96.95	75.78	99.24	70.23
Level Obtained		0	2	3	0	1	3	0	2	3	0	3	2	3	2

Survey	**C314.1**	**C314.2**	**C314.3**	**C314.4**	**C314.5**
Survey in %	97.46	98.2	97.18	97.8	96.45
Level Obtained for Survey	3	3	3	3	3

Course Outcome Attainment – C314:

Course	Test	Assign	Seminar	Quiz	Tut	IA	AU	Survey	Attainment Level
C314.1	0	0	0	0	3	0.6	2	3	1.75
C314.2	0	0	0	0	3	0.6	2	3	1.75
C314.3	0	0	0	0	3	0.6	2	3	1.75
C314.4	0	0	0	0	3	0.9	2	3	1.85
C314.5	2	0	0	0	3	2.3	2	3	2.3
C314									**1.88**

C314.1, C314.2 & C314.3

Attainment level = 0.8*{(0.4*[(0.6*Internal Test) + (0.2*Assignment) + (0.2*Tutorial)]) +

(0.6*AU)} + 0.2*Survey

C314.4 & C314.5

Attainment level = 0.8*{(0.4*[(0.7*Internal Test) + (0.3* Tutorial)]) + (0.6*AU)} +

0.2*Survey

$$C314 = \frac{(C314.1 + C314.2 + C314.3 + C314.4 + C314.5)}{5} = 1.88$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Computer Networks C319C

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

S. No	Roll No	C319C.1		C319C.2		C319C.3		C319C.4		C319C.5		AU Marks
		CO1	A1	CO2	A2	CO3	A3	CO4	S1	CO5	Q1	
1.	122301	84	100	68	100	96	90	96	100	96	100	5
2.	122108	68	100	96	90	96	90	60	100	72	100	5
3.	122048	92	100	80	100	96	100	96	100	32	100	5
4.	122308	68	0	64	90	64	90	88	100	80	100	5
5.	122119	68	0	68	90	76	90	88	100	96	100	6
6.	122122	76	0	60	90	96	90	96	100	92	100	5
7.	122110	0	100	0	100	80	100	76	100	96	100	7
8.	122039	96	100	88	100	96	90	96	100	96	100	7
9.	122107	92	100	88	100	96	100	96	100	96	100	7
10.	122037	84	100	96	100	96	90	96	100	96	100	7
11.	122026	96	100	100	90	96	90	96	100	96	0	7
12.	122019	96	100	96	90	96	90	96	90	96	100	8
13.	122309	A	0	A	90	72	90	48	100	56	100	
14.	122012	68	0	84	90	96	90	96	100	96	100	6
15.	122049	60	100	96	90	0	100	0	90	96	100	
16.	122007	92	100	68	100	0	90	0	100	96	100	6
17.	122017	96	100	96	90	96	90	96	100	96	100	5
18.	122045	56	0	56	90	88	90	96	90	52	100	7
19.	122030	68	100	72	90	96	90	96	100	96	100	6
20.	122106	96	100	36	90	88	90	88	100	96	100	5
21.	122052	68	100	92	100	96	100	96	100	92	100	
22.	122112	76	100	60	100	92	90	72	90	72	100	
23.	122005	96	100	96	100	96	90	96	100	96	100	7
24.	122029	32	100	48	90	96	90	96	100	96	100	7
25.	122025	68	100	4	90	96	90	96	90	92	100	5
26.	122314	68	100	48	100	96	90	52	100	96	100	
27.	122051	84	100	96	100	84	100	80	100	88	0	
28.	122047	40	100	0	100	96	90	68	100	76	100	
29.	122306	64	100	24	100	20	90	32	100	84	100	
30.	122036	96	100	96	100	96	90	96	100	92	100	5
31.	122116	52	0	24	90	92	100	52	100	60	100	5
32.	122001	44	100	20	100	90	100	88	100	92	100	
33.	122041	80	100	20	0	88	100	72	100	92	100	5
34.	122104	60	100	44	100	92	100	88	100	92	100	6
35.	122040	72	100	48	100	80	100	80	100	88	100	5
36.	122117	96	100	68	100	92	100	96	100	96	100	7
37.	122102	44	100	36	100	92	100	88	100	92	A	5
38.	122109	64	100	76	100	92	100	96	100	92	100	6
39.	122050	80	100	32	100	92	100	80	100	92	100	5
40.	122054	80	100	28	90	92	100	84	100	88	100	6
41.	122024	88	100	76	100	92	100	96	100	96	100	8
42.	122010	52	100	32	100	92	100	68	100	92	100	6
43.	122004	64	100	64	90	92	100	88	100	92	100	7
44.	122015	84	100	32	100	84	100	88	100	92	100	6

45.	122313	64	0	44	100	80	100	80	100	88	100	5
46.	122023	88	100	64	100	92	100	96	100	96	100	7
47.	122033	80	100	76	100	92	100	96	100	92	100	8
48.	122312	72	100	68	100	92	100	96	100	92	100	7
49.	122021	68	100	36	100	84	100	76	100	88	100	5
50.	122022	92	100	52	100	92	100	96	100	96	100	8
51.	122304	92	100	72	100	92	100	96	100	92	100	7
52.	122008	92	100	56	100	88	100	92	100	92	100	7
53.	122044	48	100	24	100	92	100	76	100	92	100	
54.	122006	80	100	64	100	92	100	96	100	92	100	5
55.	122038	76	100	12	100	92	100	88	100	92	100	5
56.	122105	68	100	12	0	92	100	68	100	88	100	5
57.	122101	60	0	12	0	88	100	84	100	92	100	5
58.	122034	64	100	80	0	72	100	56	100	92	100	7
59.	122316	80	100	48	100	92	100	84	100	92	100	7
60.	122305	A	0	A	0	92	100	80	A	92	100	5
61.	122028	28	90	12	0	40	100	48	100	88	100	5
62.	122046	48	100	72	100	92	100	68	100	92	100	5
63.	122003	72	100	56	100	92	100	88	100	96	100	7
64.	122113	28	100	4	0	92	100	60	80	92	100	5
65.	122103	80	100	44	100	88	100	68	100	92	100	
66.	122310	20	100	4	100	48	100	28	90	92	100	6
67.	122031	60	0	16	0	92	100	72	90	80	100	
68.	122115	24	100	12	100	92	100	72	100	88	100	5
69.	122307	60	100	40	100	80	100	96	100	92	100	5
70.	122016	96	100	56	100	92	100	96	100	92	100	6
71.	122035	52	0	48	0	96	100	68	100	72	100	5
72.	122302	64	100	36	100	92	100	68	100	92	100	5
73.	122014	40	100	36	100	92	100	64	100	88	100	5
74.	122053	36	100	20	100	A	100	A	100	72	100	6
75.	122114	40	100	36	100	88	100	84	100	92	100	5
76.	122315	44	100	24	100	96	100	68	100	92	100	5
77.	122011	56	100	44	100	92	100	88	100	92	100	5
78.	122013	A	100	A	100	92	100	96	100	92	100	5
79.	122303	80	100	32	100	92	100	84	100	76	100	5
80.	122120	76	100	40	100	92	100	96	100	92	100	5
81.	122009	84	100	72	100	96	100	96	100	92	100	7
82.	122042	60	100	60	100	92	100	92	100	92	100	5
83.	122111	60	100	16	0	92	100	68	100	24	100	5
84.	122043	72	90	24	100	88	100	64	100	60	100	7
85.	122032	76	100	76	100	92	100	96	100	92	100	5
86.	122027	84	100	64	100	92	100	92	100	92	100	7
87.	122118	32	0	48	0	92	100	92	90	88	100	5
88.	122018	76	100	32	100	92	100	72	100	96	100	6
89.	122002	A	100	A	100	96	100	64	100	92	100	5
90.	122311	0	0	0	0	48	100	8	0	92	100	
91.	132923	A	100	A	100	96	90	96	100	96	100	5
92.	132932	44	100	88	90	48	90	42	100	96	100	
93.	132904	24	100	12	90	60	90	24	90	76	100	5

94.	132921	A	0	A	90	96	90	96	100	96	100	5
95.	132928	92	100	92	100	96	90	92	100	96	100	
96.	132908	48	100	72	100	16	90	56	100	96	100	5
97.	132907	96	100	96	90	96	90	96	100	96	100	5
98.	132936	88	100	88	90	96	90	96	100	96	100	8
99.	132915	56	100	76	100	96	90	92	100	60	100	5
100.	132929	80	100	36	100	96	90	96	100	96	100	5
101.	132911	72	100	88	90	96	90	96	100	96	100	6
102.	132914	84	100	68	90	80	90	52	100	96	100	6
103.	132919	72	100	52	100	96	90	80	100	92	100	5
104.	132930	0	100	0	100	88	90	96	100	96	100	
105.	132927	24	100	16	100	92	100	68	100	88	100	
106.	132910	92	100	76	100	92	100	96	100	92	100	7
107.	132941	60	100	24	100	88	100	92	100	88	100	
108.	132922	44	100	48	100	68	100	88	100	92	100	8
109.	132938	68	100	8	100	92	100	92	100	92	100	5
110.	132912	40	100	28	100	100	100	80	100	88	100	5
111.	132906	40	100	12	100	92	100	68	100	52	100	
112.	132939	52	100	28	100	92	100	72	100	92	100	5
113.	132917	64	100	72	100	64	100	76	100	92	100	5
114.	132909	68	100	56	100	92	100	80	100	96	100	7
115.	132924	52	100	24	100	88	100	32	100	88	100	
116.	132905	20	100	0	100	44	100	24	100	88	A	
117.	132916	72	100	20	100	92	100	92	100	92	100	5
118.	132902	36	100	16	100	40	100	20	100	92	100	
119.	132937	44	100	24	100	92	100	68	90	92	100	8
120.	132940	52	100	48	100	92	100	96	90	92	100	5
121.	132926	56	100	44	100	92	100	56	100	92	100	5
122.	132925	44	100	12	100	88	100	64	100	88	100	
123.	132903	28	100	12	100	92	100	60	100	A	100	
124.	132931	44	100	12	0	80	100	40	90	92	100	
125.	132933	60	100	52	0	A	100	A	90	80	100	
126.	132918	48	100	20	100	92	100	76	90	40	100	5
127.	132901	28	0	4	0	88	100	64	100	64	100	
128.	132920	60	100	40	100	92	100	92	100	92	100	5
129.	132913	72	100	44	100	96	100	88	100	92	100	5
130.	132935	40	0	24	0	80	100	40	100	92	100	5
131.	132934	52	100	4	100	88	100	60	100	52	100	5
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks		64	87.02	36.8	87.79	92.25	100	84.5	99.23	94.62	98.45	22.14
Level Obtained		1	3	0	3	3	3	3	3	3	3	0

Survey	C319C.1	C319C.2	C319C.3	C319C.4	C319C.5
Survey in %	91.07	90.1	93.08	92.59	95.83
Level Obtained for Survey	3	3	3	3	3

Course Outcome Attainment – C319C:

Course	Test	Assign	Seminar	Quiz	IA	AU	Survey	Attainment Level
C319C.1	1	3	0	0	1.6	0	3	1.11
C319C.2	0	3	0	0	0.9	0	3	0.89
C319C.3	3	3	0	0	3	0	3	1.56
C319C.4	3	0	3	0	3	0	3	1.56
C319C.5	3	0	0	3	3	0	3	1.56
C319C								**1.34**

C319C.1, C319C.2 & C319C.3

Attainment level = 0.8*{(0.4*[(0.7*Internal Test) + (0.3*Assignment)]) + (0.6*AU)} +

0.2*Survey

C319C.4

Attainment level = 0.8*{(0.4*[(0.8*Internal Test) + (0.2*Seminar)]) + (0.6*AU)} +

0.2*Survey

C319C.5

Attainment level = 0.8*{(0.4*[(0.8*Internal Test) + (0.2*Quiz)]) + (0.6*AU)} +

0.2*Survey

$$C319C = \frac{(C319C.1 + C319C.2 + C319C.3 + C319C.4 + C319C.5)}{5} = 1.34$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Power System Transients C315E3

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

S. No	Roll No	C315 E3.1	C315E3.2				C315E3.3		C315E3.4				C315 E3.5	AU Marks
		CO1	CO2	A1	S1	Q1	CO3	A2	CO4	A3	S2	Q2	CO5	
1.	122301	96	88	100	80	80	96	100	96	100	90	70	88	9
2.	122108	96	88	100	80	80	96	100	64	100	90	70	80	9
3.	122048	96	64	90	90	80	96	90	80	80	90	60	88	7
4.	122308	88	60	90	90	70	80	80	72	90	80	70	88	8
5.	122119	96	80	90	80	70	60	90	40	80	80	70	56	8
6.	122122	96	80	90	80	70	96	90	88	90	70	60	80	8
7.	122110	96	88	90	80	70	88	90	88	90	60	60	72	9
8.	122039	96	96	100	80	90	96	100	96	100	70	90	80	9
9.	122107	96	96	100	80	90	96	100	96	100	80	90	96	9
10.	122037	96	80	100	80	90	96	100	96	100	90	90	88	10
11.	122026	96	96	100	80	90	96	100	96	100	90	90	96	10
12.	122019	96	96	100	70	80	96	100	96	100	60	80	92	9
13.	122309	60	40	90	70	70	72	80	40	90	60	70	A	5
14.	122012	96	96	100	80	80	96	100	96	100	70	90	96	9
15.	122049	96	88	100	80	80	96	100	68	90	60	80	88	8
16.	122007	96	96	100	80	90	96	100	96	100	70	90	96	9
17.	122017	96	80	90	80	80	96	90	96	100	60	90	88	7
18.	122045	96	96	100	80	90	80	100	40	100	60	90	88	8
19.	122030	96	96	100	80	90	92	100	92	100	90	90	92	9
20.	122106	96	88	100	90	90	96	100	96	100	90	90	92	8
21.	122052	88	80	90	90	80	96	90	96	100	90	90	80	7
22.	122112	96	88	90	90	90	88	90	80	90	90	90	64	
23.	122005	96	96	100	80	80	96	100	96	100	80	90	96	9
24.	122029	92	92	100	80	90	96	100	96	100	80	80	88	7
25.	122025	80	88	100	80	80	72	100	40	100	80	80	80	7
26.	122314	72	48	90	80	80	88	90	32	90	70	60	64	6
27.	122051	92	72	90	80	80	88	90	56	90	70	60	88	7
28.	122047	52	64	90	80	80	64	90	48	90	90	80	A	7
29.	122306	80	64	90	90	80	A	90	A	90	80	70	72	5
30.	122036	96	96	90	90	90	96	90	96	90	90	90	92	9
31.	122116	76	76	80	80	60	72	80	48	80	70	50	A	7
32.	122001	72	88	90	80	60	96	90	76	100	80	70	88	7
33.	122041	96	96	100	90	80	96	100	76	100	90	70	92	8
34.	122104	96	88	100	90	80	96	100	96	100	80	70	96	9
35.	122040	64	84	100	80	80	96	100	88	100	80	70	80	8
36.	122117	96	96	100	90	80	96	100	96	100	90	70	88	10
37.	122102	92	72	100	90	80	96	100	80	100	90	80	88	8
38.	122109	96	96	100	90	80	96	100	96	100	90	70	88	9
39.	122050	96	88	100	90	80	96	100	96	100	90	70	80	8
40.	122054	92	64	90	70	60	96	100	56	100	80	70	96	9
41.	122024	96	92	100	90	80	96	100	96	100	80	80	96	9
42.	122010	96	84	100	80	70	96	100	96	100	80	70	88	7
43.	122004	88	96	100	80	70	96	100	88	100	70	70	80	8

44.	122015	96	56	90	70	60	96	90	64	90	70	70	88	6
45.	122313	80	80	100	80	70	96	100	96	100	80	80	80	6
46.	122023	96	80	100	80	70	96	100	88	100	70	70	88	8
47.	122033	96	96	100	90	80	96	100	96	100	80	70	96	9
48.	122312	96	96	100	90	80	96	100	96	100	80	70	88	9
49.	122021	96	72	90	90	70	40	90	96	100	80	70	72	7
50.	122022	96	96	90	90	70	96	90	96	100	80	60	88	10
51.	122304	92	96	100	90	70	96	100	96	100	90	70	96	9
52.	122008	96	72	100	80	80	96	100	72	100	90	70	96	9
53.	122044	88	96	100	80	80	96	100	96	100	90	60	88	6
54.	122006	96	96	100	80	70	96	100	80	100	90	60	88	9
55.	122038	96	80	90	70	70	88	90	64	90	80	50	88	7
56.	122105	92	80	90	70	70	96	90	80	90	80	70	72	7
57.	122101	80	72	90	70	70	96	90	40	90	80	50	88	6
58.	122034	96	96	100	80	80	96	100	96	100	90	60	52	8
59.	122316	96	96	100	80	80	96	100	96	100	80	60	88	10
60.	122305	A	A	90	70	70	96	90	48	90	70	70	88	9
61.	122028	68	24	100	80	80	14	100	40	90	90	90	62	7
62.	122046	88	60	100	100	90	66	100	56	100	100	90	78	6
63.	122003	90	90	100	80	80	92	100	92	100	90	80	84	8
64.	122113	82	30	100	100	100	42	100	40	100	90	100	40	6
65.	122103	82	18	100	100	90	44	100	40	100	100	90	46	5
66.	122310	88	52	100	100	100	88	100	80	100	100	100	64	6
67.	122031	86	38	100	90	80	45	80	60	90	100	80	42	8
68.	122115	88	72	100	100	70	86	100	70	100	90	70	68	8
69.	122307	84	92	100	80	90	94	90	68	100	90	90	80	8
70.	122016	88	60	100	90	90	80	100	80	100	90	90	88	8
71.	122035	96	34	100	70	80	44	90	38	100	80	80	44	8
72.	122302	86	82	100	60	70	94	100	86	100	70	70	76	7
73.	122014	94	30	100	100	100	82	100	38	100	90	100	42	8
74.	122053	90	80	100	80	90	80	90	60	100	90	90	82	9
75.	122114	88	64	100	100	100	80	90	56	100	90	100	62	8
76.	122315	86	68	100	100	80	92	90	50	100	100	100	68	7
77.	122011	92	68	100	90	70	90	90	88	100	100	70	70	8
78.	122013	68	80	100	90	90	94	90	74	100	100	90	84	9
79.	122303	96	84	100	100	90	98	100	78	100	100	90	72	7
80.	122120	92	88	100	70	100	86	100	88	100	80	100	92	8
81.	122009	90	82	100	80	80	92	100	96	100	90	80	98	9
82.	122042	86	90	100	60	70	76	100	94	100	70	70	84	7
83.	122111	92	82	100	100	60	44	90	62	100	90	60	40	7
84.	122043	86	78	100	90	90	86	100	80	100	100	90	76	8
85.	122032	84	80	100	80	80	80	100	80	100	90	80	92	8
86.	122027	94	88	100	100	70	90	100	68	100	80	70	94	8
87.	122118	92	40	100	100	60	42	90	64	100	90	60	52	8
88.	122018	90	86	100	100	80	94	90	48	100	90	80	92	9
89.	122002	94	82	100	90	90	80	90	72	100	100	90	94	9
90.	122311	14	0	90	90	100	A	60	A	60	100	100	24	
91.	132923	72	72	100	90	90	96	90	56	90	90	90	72	7
92.	132932	96	88	100	90	90	96	100	96	100	90	90	76	8

93.	132904	36	64	90	80	90	64	90	48	80	90	90	56	
94.	132921	96	64	90	90	80	A	90	A	90	80	70	64	9
95.	132928	88	60	90	90	80	88	90	64	90	80	60	88	8
96.	132908	96	88	100	90	90	80	100	40	100	90	90	60	7
97.	132907	96	88	90	90	60	96	90	88	100	90	70	60	7
98.	132936	96	96	90	90	90	96	90	80	100	90	60	88	9
99.	132915	96	56	100	90	90	96	100	88	100	80	60	88	7
100.	132929	96	96	90	90	90	96	100	96	90	60	80	92	9
101.	132911	96	96	100	80	90	96	90	96	100	60	90	68	9
102.	132914	96	24	100	70	80	96	100	88	100	70	60	64	8
103.	132919	96	72	90	70	70	96	90	88	100	60	80	80	7
104.	132930	64	88	90	70	70	96	100	96	100	80	80	80	7
105.	132927	88	88	100	90	80	96	100	64	100	90	70	88	7
106.	132910	96	96	90	90	80	96	90	96	90	70	70	72	9
107.	132941	80	40	90	70	80	96	90	72	100	80	70	56	
108.	132922	92	72	90	70	80	76	100	64	100	80	70	96	9
109.	132938	68	64	90	70	70	80	100	80	100	80	70	88	8
110.	132912	96	76	100	70	70	96	100	88	100	80	70	88	9
111.	132906	30	8	100	80	90	56	60	32	60	90	90	0	
112.	132939	92	56	100	80	60	88	90	64	90	80	60	60	7
113.	132917	80	52	90	80	80	96	90	80	90	70	80	60	9
114.	132909	88	84	100	80	80	96	100	96	100	70	70	88	8
115.	132924	56	80	90	70	60	96	100	88	100	70	60	56	6
116.	132905	80	72	90	70	70	80	90	56	90	70	60	52	
117.	132916	96	92	90	70	70	96	90	96	100	70	70	56	8
118.	132902	80	56	90	70	70	96	90	64	90	70	60	80	6
119.	132937	96	72	100	90	80	78	100	86	100	80	80	82	7
120.	132940	70	70	100	80	70	48	100	84	100	90	70	66	7
121.	132926	88	76	100	90	60	80	90	92	100	100	60	86	7
122.	132925	64	60	100	90	60	54	90	58	100	100	60	56	7
123.	132903	84	24	100	100	80	2	90	24	100	90	80	44	5
124.	132931	88	64	100	100	80	12	80	18	100	90	80	36	6
125.	132933	84	56	100	90	90	A	80	A	100	90	90	40	5
126.	132918	56	70	100	80	90	78	90	66	100	70	90	50	
127.	132901	86	22	100	90	80	26	80	20	100	80	80	8	5
128.	132920	90	94	100	80	70	92	70	84	100	80	70	76	7
129.	132913	70	66	100	90	80	78	90	62	100	90	80	64	8
130.	132935	44	56	100	70	70	44	90	44	100	80	70	52	7
131.	132934	68	64	100	70	80	48	90	48	100	80	80	46	5
% of Students secured >60 marks in CITs, >70 in assignment and >C (7) grade in AU marks		94.62	82.31	100	98.47	91.6	87.4	97.71	75.59	98.47	93.13	80.92	81.25	82.17
Level Obtained		3	3	3	3	3	3	3	2	3	3	3	3	3

Survey	C315E3.1	C315E3.1	C315E3.1	C315E3.1	C315E3.1
Survey in %	97.37	96.52	95.4	96.36	95.52
Level Obtained for Survey	3	3	3	3	3

Course Outcome Attainment – C315E3:

Course	Test	Assign	Seminar	Quiz	IA	AU	Survey	Attainment Level
C315E3.1	3	0	0	0	3	3	3	3
C315E3.2	3	3	3	3	3	3	3	3
C315E3.3	3	3	0	0	3	3	3	3
C315E3.4	2	3	3	3	2.3	3	3	2.78
C315E3.5	3	0	0	0	3	3	3	3
C315E3								**2.96**

C315E3.1 & C315E3.5

Attainment level = 0.8*{(0.4*Internal Test) + (0.6*AU)} + 0.2*Survey

C315E3.2 & C315E3.4

Attainment level = 0.8*{(0.4*[(0.7*Internal Test) + (0.1*Assignment) + (0.1*Seminar) + (0.1*Quiz)]) + (0.6*AU)} + 0.2*Survey

C315E3.3

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

$$\boldsymbol{C315E3} = \frac{(\boldsymbol{C315E3.1} + \boldsymbol{C315E3.2} + \boldsymbol{C315E3.3} + \boldsymbol{C315E3.4} + \boldsymbol{C315E3.5})}{\boldsymbol{5}} = 2.96$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Microprocessor & Controller Lab C317
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S. No.	Roll	CO1			CO2			CO3			CO4			CO5			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	122301	92	83	86		80	90		70	90		80	80		70	90	10
2	122108		86	73	92	80	90		80	90		90	90		80	90	10
3	122048		80	90		80	90		70	90	94	80	90		80	90	10
4	122308		73	63		70	60	85	70	70		60	60		70	80	9
5	122119		60	70		70	60		60	60		60	80		70	70	9
6	122122		73	76		80	70	83	70	60		70	80		80	80	8
7	122110		70	80	84	80	70		70	70		80	70		70	70	8
8	122039	99	80	90		80	90		90	90		80	90		90	90	10
9	122107		86	90	90	90	90		80	90		80	90		80	90	10
10	122037	99	83	90		90	90		80	90		80	90		90	90	10
11	122026	99	86	83		90	80		90	90		80	90		90	90	10
12	122019		80	86		80	80		90	80	64	80	90		80	90	10
13	122309		56	63		50	50		70	60	82	80	60		50	70	9
14	122012	93	83	80		80	80		80	60		70	90		70	90	10
15	122049	82	80	86		70	80		70	80		60	90		70	90	8
16	122007		83	80		80	70		90	60	95	80	80		80	80	10
17	122017		80	90	90	70	90		70	80		70	80		80	90	9
18	122045		83	86	90	70	90		80	90		70	80		70	90	10
19	122030	99	80	86		70	80		80	90		70	80		70	90	10
20	122106	95	70	80		60	70		70	70		80	70		70	80	9
21	122052		80	90		70	80		80	90		70	80		80	90	8
22	122112		70	73		60	50		70	50		60	60		80	60	8
23	122005	99	80	90		90	90		80	90		80	90		80	90	10
24	122029	99	73	86		80	50		70	50		70	80		80	90	10
25	122025	90	70	76		70	70		60	60		60	80		70	90	10
26	122314	90	73	86		60	80		60	90		70	90		80	90	8
27	122051	85	73	90		80	80		60	90		70	90		80	90	9
28	122047		66	70		70	70		60	60		60	70	80	70	80	8
29	122306		70	63		60	80	90	60	80		70	90		60	80	10
30	122036	99	83	90		90	90		90	90		80	90		80	90	10
31	122116		73	73		80	80	70	70	80		80	80		80	90	8
32	122001		80	83		80	80		90	80	80	90	90		80	90	9
33	122041		77	83		80	80	76	80	80		80	90		80	90	9
34	122104		87	87		90	90		90	90	96	90	90		90	90	10
35	122040		83	87	92	90	80		90	80		90	90		90	90	10
36	122117		87	90		90	90		90	90	98	90	90		90	90	10
37	122102		87	87		90	80	96	90	80		80	90		90	90	10
38	122109	98	87	83		80	90		90	90		90	90		90	80	10
39	122050	92	83	90		90	90		90	90		90	80		90	90	10
40	122054		77	83		80	70		80	80		80	90		80	90	9
41	122024		87	90	96	90	90		90	90		80	90		90	90	10
42	122010	98	87	87		90	80		90	90		90	90		90	90	10
43	122004	94	87	87		90	80		90	90		90	80		90	90	10
44	122015	90	80	80		70	80		80	80		70	90		80	90	9
45	122313		87	90		80	90		90	90	96	90	90		90	90	10
46	122023		87	87		90	80		90	90		90	80	98	90	90	10
47	122033	98	87	90		90	90		90	90		90	90		90	90	10
48	122312	92	77	87		80	90		80	90		90	90		90	90	10
49	122021		77	83	88	70	80		80	90		80	90		80	90	9
50	122022	96	83	90		80	90		90	90		90	90		90	90	10
51	122304	90	83	90		90	90		80	90		80	90		90	90	10
52	122008		83	90		90	90	98	90	90		90	90		90	90	10

53	122044	96	73	87		80	80		80	90		70	90		80	90	9
54	122006	94	87	90		90	80		80	90		90	90		90	90	10
55	122038	92	90	80		80	90		80	90		90	90		90	90	10
56	122105		86	83		70	80		80	90	90	80	90		80	90	9
57	122101	84	86	80		90	80		80	90		80	90		90	90	10
58	122034		90	83	92	80	90		90	90		90	90		90	90	10
59	122316		87	90		90	90	94	80	90		80	90		90	90	10
60	122305	90	80	83		80	80		70	90		80	80		80	90	9
61	122028		63	76		60	70	92	60	70		70	70		60	80	8
62	122046		80	90		90	90	100	80	90		90	80		90	90	10
63	122003	100	83	90		70	90		80	90		60	80		70	90	10
64	122113		63	76		70	80	90	60	70		80	60		70	80	8
65	122103		63	70	90	100	60		90	60		100	70		90	60	9
66	122310		83	80		80	70	100	70	70		80	80		90	80	10
67	122031		56	63		60	60		50	50	96	60	60		70	60	9
68	122115		73	86	94	70	80		80	90		90	80		80	90	9
69	122307		83	90		100	90		90	90	94	100	90		90	90	10
70	122016		73	86		90	90		80	90		80	90	60	80	90	9
71	122035		70	73		60	60		70	70	90	60	60		70	70	8
72	122302		76	80	100	90	80		80	70		70	80		80	80	10
73	122014	100	86	86		70	80		90	80		80	80		70	80	10
74	122053		83	86	60	100	90		70	90		80	90		90	90	10
75	122114		73	86	100	80	90		70	70		80	80		80	90	9
76	122315	90	80	83		70	80		80	70		90	80		80	80	9
77	122011		90	86		80	90		100	90	98	80	90		80	90	10
78	122013	100	76	86		90	90		80	90		80	90		90	90	10
79	122303	100	76	86		80	90		90	80		90	90		80	90	10
80	122120	96	80	86		80	90		90	90		100	90		90	90	10
81	122009	96	86	86		100	90		80	90		90	90		100	80	10
82	122042	100	80	86		90	90		80	90		80	80		90	90	10
83	122111	90	66	83		80	80		60	80		70	90		80	80	10
84	122043	100	73	83		80	80		70	80		80	70		90	90	9
85	122032		83	86		80	80		100	90		80	90	96	90	90	10
86	122027		96	90		90	90		80	90	100	100	90		90	90	10
87	122118		66	70	90	80	60		60	60		70	70		70	70	9
88	122018		83	86		80	90		90	90	96	90	90		100	90	10
89	122002		80	86	60	90	80		70	80		80	80		90	90	10
90	122311		50	50		50	50		50	50	80	50	50		50	50	8
91	132923		80	90		80	90	95	70	90		70	80		80	80	10
92	132932		66	70		60	80	80	70	60		80	80		70	80	9
93	132904		50	50		50	50	80	50	60		50	50		50	50	7
94	132921		80	66		80	50	90	60	70		70	60		60	80	9
95	132928		83	90	90	80	80		60	90		80	80		80	90	10
96	132908		76	80		80	80		80	70	90	70	80		80	90	9
97	132907	99	83	90		80	80		80	80		80	90		80	90	8
98	132936	99	86	90		90	90		80	90		80	90		80	90	10
99	132915	92	76	90		80	90		70	90		80	80		80	90	9
100	132929		80	90		70	90		70	90	93	70	80		90	90	10
101	132911		80	90		90	80	94	70	80		80	90		70	90	10
102	132914	95	80	90		90	90		70	80		70	90		80	90	10
103	132919	85	70	90		70	90		80	90		80	80		70	90	9
104	132930	85	73	86		70	90		70	80		70	80		70	90	9
105	132927	70	73	77		70	80		80	80		80	80		80	90	9
106	132910		97	90		100	90	100	100	90		100	90		100	90	10
107	132941	80	83	80		80	80		90	80		90	90		90	90	9
108	132922	88	80	87		80	90		80	80		80	90		80	90	7
109	132938		77	87		80	80		70	80		80	90		80	90	9

110	132912		80	87	90	90	90		80	90		80	90		80	90	10
111	132906		50	50		50	50	80	50	50		50	50		50	50	7
112	132939		87	83		80	90		80	80	90	80	90		90	90	10
113	132917		77	83		70	90	76	70	80		80	90		80	90	9
114	132909	98	90	90		90	90		90	80		90	90		90	90	10
115	132924	84	87	83		80	90		90	90		80	90		80	90	9
116	132905		80	83		70	80		70	90	76	70	90		80	90	7
117	132916		87	90		80	90		80	90		90	90		90	80	9
118	132902	80	80	87		70	80		80	90		90	90		90	90	8
119	132937		83	86		80	80		90	90		100	80		90	90	10
120	132940	100	76	90		80	90		70	90		80	90		70	90	9
121	132926	100	83	90		80	90		90	90		100	90		90	90	10
122	132925	100	73	83		70	70		80	90		70	80		80	90	9
123	132903		66	80		80	70	90	70	70		60	70		70	90	8
124	132931		86	86		90	80		80	90		80	90		80	90	10
125	132933		80	90		80	70		70	70		80	80		80	80	9
126	132918	100	73	76		80	80		90	90		80	90		80	90	8
127	132901		73	70		80	50		90	50		80	60		80	60	9
128	132920		80	86		80	90		90	90	94	100	90		90	90	10
129	132913	100	63	86		60	90		60	80		70	90		60	90	9
130	132935	96	73	80		80	70		80	80		70	70		80	90	9
131	132934		80	76		70	70		80	80	100	70	90		80	80	9

Course	C317.1			C317.2			C317.3			C317.4			C317.5			AU
	T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
% of Students secured >80 marks in Model Lab, >70 in record & Viva and >A (9) grade in AU marks	98	89	80.92	88.89	90.08	78.63	85.71	87.02	76.34	90.91	90.08	84.73	75	93.89	90.84	84.73
Level Obtained	3	3	3	3	3	2	3	3	2	3	3	3	2	3	3	3

Survey	C317.1	C317.2	C317.3	C317.4	C317.5
Survey in %	95.33	94.31	94.66	95.07	94.66
Level Obtained for Survey	3	3	3	3	3

Course Outcome Attainment – C317:

Course	Test	Viva	Record	IA	AU	Survey	Attainment Level
C317.1	3	3	3	3	3	3	3
C317.2	3	3	2	2.8	3	3	2.94
C317.3	3	3	2	2.8	3	3	2.94
C317.4	3	3	3	3	3	3	3
C317.5	2	3	3	2.4	3	3	2.81
C317							**2.94**

C317.1 – C317.5

Attainment level = 0.8*{(0.4*[(0.6*Model Test) + (0.2*Viva) + (0.2*Record)]) + (0.6*AU)} + 0.2*Survey

$$C317 = \frac{(C317.1 + C317.2 + C317.3 + C317.4 + C317.5)}{5} = 2.94$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Presentation Skills & Technical Seminar: C318
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C318.1			C318.2			C318.3			C318.4			C318.5			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	122301	99	99	95	99	99	95	99	99	95	99	99	95	99	99	95	10
2	122108	95	95	96	95	95	96	95	95	96	95	95	96	95	95	96	10
3	122048	87	87	95	87	87	95	87	87	95	87	87	95	87	87	95	10
4	122308	83	83	90	83	83	90	83	83	90	83	83	90	83	83	90	9
5	122119	33	33	50	33	33	50	33	33	50	33	33	50	33	33	50	10
6	122122	90	90	70	90	90	70	90	90	70	90	90	70	90	90	70	10
7	122110	90	90	75	90	90	75	90	90	75	90	90	75	90	90	75	10
8	122039	98	98	95	98	98	95	98	98	95	98	98	95	98	98	95	10
9	122107	93	93	95	93	93	95	93	93	95	93	93	95	93	93	95	10
10	122037	97	97	95	97	97	95	97	97	95	97	97	95	97	97	95	10
11	122026	97	97	96	97	97	96	97	97	96	97	97	96	97	97	96	10
12	122019	77	77	90	77	77	90	77	77	90	77	77	90	77	77	90	10
13	122309	82	82	90	82	82	90	82	82	90	82	82	90	82	82	90	9
14	122012	96	96	99	96	96	99	96	96	99	96	96	99	96	96	99	10
15	122049	79	79	95	79	79	95	79	79	95	79	79	95	79	79	95	10
16	122007	85	85	95	85	85	95	85	85	95	85	85	95	85	85	95	10
17	122017	85	85	90	85	85	90	85	85	90	85	85	90	85	85	90	9
18	122045	87	87	95	87	87	95	87	87	95	87	87	95	87	87	95	10
19	122030	92	92	95	92	92	95	92	92	95	92	92	95	92	92	95	10
20	122106	85	85	96	85	85	96	85	85	96	85	85	96	85	85	96	10
21	122052	92	92	96	92	92	96	92	92	96	92	92	96	92	92	96	10
22	122112	90	90	96	90	90	96	90	90	96	90	90	96	90	90	96	10
23	122005	96	96	95	96	96	95	96	96	95	96	96	95	96	96	95	10
24	122029	89	89	90	89	89	90	89	89	90	89	89	90	89	89	90	10
25	122025	86	86	95	86	86	95	86	86	95	86	86	95	86	86	95	9
26	122314	87	87	96	87	87	96	87	87	96	87	87	96	87	87	96	10
27	122051	97	97	96	97	97	96	97	97	96	97	97	96	97	97	96	10
28	122047	90	90	96	90	90	96	90	90	96	90	90	96	90	90	96	9
29	122306	95	95	96	95	95	96	95	95	96	95	95	96	95	95	96	10
30	122036	87	87	80	87	87	80	87	87	80	87	87	80	87	87	80	10
31	122116	88	88	90	88	88	90	88	88	90	88	88	90	88	88	90	10
32	122001	90	90	96	90	90	96	90	90	96	90	90	96	90	90	96	10
33	122041	90	96	96	90	96	96	90	96	96	90	96	96	90	96	96	10
34	122104	89	89	90	89	89	90	89	89	90	89	89	90	89	89	90	10
35	122040	95	95	96	95	95	96	95	95	96	95	95	96	95	95	96	10
36	122117	90	96	96	90	96	96	90	96	96	90	96	96	90	96	96	10
37	122102	94	94	97	94	94	97	94	94	97	94	94	97	94	94	97	10
38	122109	95	95	96	95	95	96	95	95	96	95	95	96	95	95	96	10
39	122050	79	79	80	79	79	80	79	79	80	79	79	80	79	79	80	10
40	122054	83	83	95	83	83	95	83	83	95	83	83	95	83	83	95	10
41	122024	95	95	90	95	95	90	95	95	90	95	95	90	95	95	90	10
42	122010	94	94	90	94	94	90	94	94	90	94	94	90	94	94	90	10
43	122004	88	84	80	88	84	80	88	84	80	88	84	80	88	84	80	10
44	122015	90	90	95	90	90	95	90	90	95	90	90	95	90	90	95	10
45	122313	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	10
46	122023	89	89	90	89	89	90	89	89	90	89	89	90	89	89	90	10
47	122033	91	91	98	91	91	98	91	91	98	91	91	98	91	91	98	10

48	122312	90	90	96	90	90	96	90	90	96	90	90	96	90	90	96	10
49	122021	83	83	98	83	83	98	83	83	98	83	83	98	83	83	98	10
50	122022	95	95	90	95	95	90	95	95	90	95	95	90	95	95	90	10
51	122304	88	88	90	88	88	90	88	88	90	88	88	90	88	88	90	10
52	122008	94	94	90	94	94	90	94	94	90	94	94	90	94	94	90	10
53	122044	92	92	90	92	92	90	92	92	90	92	92	90	92	92	90	10
54	122006	96	96	90	96	96	90	96	96	90	96	96	90	96	96	90	10
55	122038	93	93	95	93	93	95	93	93	95	93	93	95	93	93	95	10
56	122105	91	91	90	91	91	90	91	91	90	91	91	90	91	91	90	10
57	122101	79	79	80	79	79	80	79	79	80	79	79	80	79	79	80	10
58	122034	97	97	96	97	97	96	97	97	96	97	97	96	97	97	96	10
59	122316	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	10
60	122305	80	80	90	80	80	90	80	80	90	80	80	90	80	80	90	10
61	122028	87	90	90	87	90	90	87	90	90	87	90	90	87	90	90	9
62	122046	87	87	90	87	87	90	87	87	90	87	87	90	87	87	90	10
63	122003	93	93	89	93	93	89	93	93	89	93	93	89	93	93	89	10
64	122113	76	75	90	76	75	90	76	75	90	76	75	90	76	75	90	9
65	122103	100	100	99	100	100	99	100	100	99	100	100	99	100	100	99	10
66	122310	87	89	95	87	89	95	87	89	95	87	89	95	87	89	95	10
67	122031	91	91	95	91	91	95	91	91	95	91	91	95	91	91	95	10
68	122115	86	86	99	86	86	99	86	86	99	86	86	99	86	86	99	10
69	122307	98	98	95	98	98	95	98	98	95	98	98	95	98	98	95	10
70	122016	96	96	92	96	96	92	96	96	92	96	96	92	96	96	92	10
71	122035	95	95	92	95	95	92	95	95	92	95	95	92	95	95	92	10
72	122302	98	98	99	98	98	99	98	98	99	98	98	99	98	98	99	10
73	122014	98	98	99	98	98	99	98	98	99	98	98	99	98	98	99	10
74	122053	97	97	99	97	97	99	97	97	99	97	97	99	97	97	99	10
75	122114	100	95	99	100	95	99	100	95	99	100	95	99	100	95	99	10
76	122315	98	98	95	98	98	95	98	98	95	98	98	95	98	98	95	10
77	122011	100	98	95	100	98	95	100	98	95	100	98	95	100	98	95	10
78	122013	98	95	95	98	95	95	98	95	95	98	95	95	98	95	95	9
79	122303	89	89	90	89	89	90	89	89	90	89	89	90	89	89	90	9
80	122120	100	90	100	100	90	100	100	90	100	100	90	100	100	90	100	10
81	122009	99	99	95	99	99	95	99	99	95	99	99	95	99	99	95	10
82	122042	99	90	95	99	90	95	99	90	95	99	90	95	99	90	95	10
83	122111	87	87	90	87	87	90	87	87	90	87	87	90	87	87	90	9
84	122043	87	87	90	87	87	90	87	87	90	87	87	90	87	87	90	10
85	122032	93	95	95	93	95	95	93	95	95	93	95	95	93	95	95	9
86	122027	100	100	99	100	100	99	100	100	99	100	100	99	100	100	99	10
87	122118	87	87	99	87	87	99	87	87	99	87	87	99	87	87	99	10
88	122018	96	96	95	96	96	95	96	96	95	96	96	95	96	96	95	9
89	122002	93	93	95	93	93	95	93	93	95	93	93	95	93	93	95	10
90	122311	46	46	80	46	46	80	46	46	80	46	46	80	46	46	80	9
91	132923	81	81	95	81	81	95	81	81	95	81	81	95	81	81	95	10
92	132932	78	78	75	78	78	75	78	78	75	78	78	75	78	78	75	9
93	132904	92	92	99	92	92	99	92	92	99	92	92	99	92	92	99	9
94	132921	93	93	99	93	93	99	93	93	99	93	93	99	93	93	99	10
95	132928	83	83	90	83	83	90	83	83	90	83	83	90	83	83	90	10
96	132908	87	87	95	87	87	95	87	87	95	87	87	95	87	87	95	9
97	132907	93	93	94	93	93	94	93	93	94	93	93	94	93	93	94	9
98	132936	97	97	99	97	97	99	97	97	99	97	97	99	97	97	99	10
99	132915	95	95	99	95	95	99	95	95	99	95	95	99	95	95	99	10

100	132929	95	95	96	95	95	96	95	95	96	95	95	96	95	95	96	10
101	132911	89	89	90	89	89	90	89	89	90	89	89	90	89	89	90	10
102	132914	88	88	96	88	88	96	88	88	96	88	88	96	88	88	96	10
103	132919	86	86	95	86	86	95	86	86	95	86	86	95	86	86	95	10
104	132930	87	87	96	87	87	96	87	87	96	87	87	96	87	87	96	10
105	132927	84	84	90	84	84	90	84	84	90	84	84	90	84	84	90	10
106	132910	97	97	90	97	97	90	97	97	90	97	97	90	97	97	90	10
107	132941	82	82	90	82	82	90	82	82	90	82	82	90	82	82	90	10
108	132922	73	73	90	73	73	90	73	73	90	73	73	90	73	73	90	10
109	132938	92	92	90	92	92	90	92	92	90	92	92	90	92	92	90	10
110	132912	80	80	90	80	80	90	80	80	90	80	80	90	80	80	90	10
111	132906	59	59	80	59	59	80	59	59	80	59	59	80	59	59	80	7
112	132939	81	81	95	81	81	95	81	81	95	81	81	95	81	81	95	10
113	132917	80	80	96	80	80	96	80	80	96	80	80	96	80	80	96	10
114	132909	75	75	96	75	75	96	75	75	96	75	75	96	75	75	96	10
115	132924	78	78	90	78	78	90	78	78	90	78	78	90	78	78	90	10
116	132905	70	70	90	70	70	90	70	70	90	70	70	90	70	70	90	10
117	132916	81	81	96	81	81	96	81	81	96	81	81	96	81	81	96	10
118	132902	80	80	95	80	80	95	80	80	95	80	80	95	80	80	95	10
119	132937	93	93	97	93	93	97	93	93	97	93	93	97	93	93	97	10
120	132940	87	87	90	87	87	90	87	87	90	87	87	90	87	87	90	10
121	132926	96	96	95	96	96	95	96	96	95	96	96	95	96	96	95	10
122	132925	100	100	99	100	100	99	100	100	99	100	100	99	100	100	99	9
123	132903	91	91	95	91	91	95	91	91	95	91	91	95	91	91	95	9
124	132931	88	88	90	88	88	90	88	88	90	88	88	90	88	88	90	9
125	132933	89	89	95	89	89	95	89	89	95	89	89	95	89	89	95	10
126	132918	95	95	90	95	95	90	95	95	90	95	95	90	95	95	90	10
127	132901	71	71	95	71	71	95	71	71	95	71	71	95	71	71	95	10
128	132920	83	95	90	83	95	90	83	95	90	83	95	90	83	95	90	10
129	132913	93	96	97	93	96	97	93	96	97	93	96	97	93	96	97	10
130	132935	83	95	95	83	95	95	83	95	95	83	95	95	83	95	95	10
131	132934	84	95	98	84	95	98	84	95	98	84	95	98	84	95	98	10

	C318.1			C318.2			C318.3			C318.4			C318.5			
Benchmark	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**AU**
	89	88	96.95	89.31	97.71	96.95	89.31	97.71	96.96	89.31	97.71	96.95	89.31	97.71	96.95	99.24
Level	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU																

Survey:

Survey	C318.1	C318.2	C318.3	C318.4	C318.5
Obtained Percentage	97.29	96.78	96.60	96.78	96.05
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 – C318:

Course	Internal Test	VIVA	Record	IA	AU Exam	Direct Attainment	Survey	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**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C318) Overall Attainment 3
	External Assessment (AU)	Internal Assessment (IA)	
C318.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]
C318.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]
C318.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]
C318.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]
C318.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]

Overall Attainment:

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

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Power System Operation and Control: C313
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C313.1		C313.2		C313.3		C313.4		C313.5		AU
		CO1	A1	CO2	A2	CO3	A3	CO4	S1	CO5	Q1	
1	122301	100	100	100	100	96	90	96	100	76	56	90
2	122108	56	90	66	90	68	100	60	90	72	76	70
3	122048	80	90	48	80	100	90	80	80	24	60	70
4	122308	76	90	72	80	44	60	32	90	80	64	60
5	122119	96	60	16	70	68	60	28	60	68	32	80
6	122122	16	90	68	70	56	70	60	80	88	84	70
7	122110	92	90	84	90	100	90	56	90	52	56	80
8	122039	69	100	96	90	96	80	68	100	72	76	80
9	122107	92	100	92	90	72	80	28	90	16	88	70
10	122037	100	100	56	90	92	90	76	100	68	88	90
11	122026	100	100	92	100	96	100	92	100	80	60	90
12	122019	84	90	28	80	96	90	44	90	72	68	80
13	122309	36	90	20	70	96	70	84	80	72	60	60
14	122012	72	90	88	90	88	100	64	100	96	80	70
15	122049	32	100	80	90	80	90	84	90	88	64	80
16	122007	100	90	96	80	80	90	80	90	72	48	70
17	122017	68	60	52	70	92	90	68	70	80	68	80
18	122045	76	60	84	80	100	90	72	90	86	64	80
19	122030	64	90	36	90	68	80	76	90	80	56	70
20	122106	76	90	36	70	0	70	0	70	52	76	70
21	122052	56	100	60	60	40	70	44	90	80	32	60
22	122112	16	80	24	70	76	80	52	80	52	64	70
23	122005	76	80	80	90	96	90	20	80	100	72	80
24	122029	44	80	68	90	100	80	84	80	64	40	70
25	122025	69	90	36	90	80	80	44	90	64	48	70
26	122314	44	90	56	80	52	70	52	90	36	80	50
27	122051	64	90	76	90	52	90	80	90	76	68	70
28	122047	28	90	48	60	36	60	8	80	56	64	50
29	122306	28	90	12	70	40	60	16	80	40	56	50
30	122036	96	90	80	90	100	80	68	90	96	76	70
31	122116	44	80	64	90	48	90	52	80	64	56	80
32	122001	20	80	56	90	64	80	76	90	80	80	70
33	122041	80	90	88	80	84	90	80	90	92	60	80
34	122104	64	100	32	80	52	70	72	80	72	76	70
35	122040	68	100	100	90	96	90	76	100	84	80	80
36	122117	100	90	92	80	72	70	92	100	100	84	80
37	122102	80	100	84	100	80	90	92	100	64	56	80
38	122109	84	100	76	100	83	80	88	100	100	52	90
39	122050	64	100	88	90	64	80	48	90	80	80	90
40	122054	68	80	88	80	72	90	72	90	92	76	70
41	122024	96	100	96	100	96	100	96	100	100	80	90
42	122010	40	100	76	90	60	90	92	100	80	68	70
43	122004	76	100	56	90	92	100	72	90	100	60	80
44	122015	60	80	88	90	80	90	100	90	78	48	80
45	122313	80	70	88	70	96	60	64	60	80	40	90
46	122023	100	100	80	90	100	90	80	90	96	76	90
47	122033	84	100	88	90	100	90	100	100	96	44	90

48	122312	68	90	64	80	80	90	76	90	96	64	80
49	122021	24	90	12	90	32	80	0	90	36	80	50
50	122022	92	100	96	100	100	100	100	100	100	76	90
51	122304	92	100	92	90	100	100	96	90	96	92	90
52	122008	68	100	80	90	92	90	100	100	72	88	80
53	122044	80	90	84	90	12	80	40	90	60	80	0
54	122006	96	90	84	100	96	100	88	100	80	76	80
55	122038	80	90	92	100	92	90	84	100	80	60	80
56	122105	72	80	4	70	64	70	76	70	40	48	70
57	122101	A	90	A	80	80	70	60	80	20	72	50
58	122034	100	90	88	90	92	100	100	90	68	80	70
59	122316	40	90	40	80	92	80	76	80	92	52	80
60	122305	A	90	A	80	36	90	92	70	60	64	70
61	122028	52	80	52	90	32	100	21	80	52	70	50
62	122046	80	100	60	100	52	100	46	100	50	90	70
63	122003	60	100	60	100	88	90	100	100	54	90	70
64	122113	40	100	48	100	28	90	28	60	64	70	400
65	122103	100	80	76	90	90	80	48	80	72	100	50
66	122310	78	80	68	90	28	90	60	100	48	70	70
67	122031	48	60	44	90	58	90	36	60	44	70	50
68	122115	50	80	52	90	54	100	52	90	76	100	80
69	122307	82	100	92	90	80	100	38	100	72	90	60
70	122016	98	100	98	90	40	100	96	100	72	100	70
71	122035	74	60	28	90	16	100	20	80	68	70	70
72	122302	70	100	84	90	38	100	94	100	A	90	80
73	122014	64	100	60	90	44	100	16	90	84	100	70
74	122053	96	100	80	90	72	100	92	100	82	90	80
75	122114	73	100	95	80	44	100	72	100	50	90	70
76	122315	30	100	30	90	48	100	74	90	62	100	70
77	122011	100	100	94	90	78	100	68	100	92	100	90
78	122013	88	100	96	90	44	100	94	100	76	90	70
79	122303	96	100	90	100	42	100	46	100	A	90	80
80	122120	98	100	82	80	84	90	64	100	84	90	70
81	122009	100	100	100	90	84	90	74	100	92	90	80
82	122042	94	100	82	90	42	90	84	100	92	90	80
83	122111	74	100	68	90	62	90	44	100	56	70	60
84	122043	37	100	38	90	40	80	92	80	A	70	80
85	122032	82	100	72	90	66	80	86	80	A	70	90
86	122027	92	100	95	100	82	100	92	100	A	100	80
87	122118	0	60	0	60	50	70	42	60	A	70	60
88	122018	37	100	37	100	56	60	46	90	81	90	70
89	122002	74	100	94	70	46	60	66	20	88	70	60
90	122311	17	0	17	0	2	0	0	20	8	70	0
91	132923	8	80	28	80	52	70	52	80	72	76	50
92	132932	64	80	60	90	A	90	A	90	48	80	0
93	132904	52	80	24	60	20	60	48	70	36	60	0
94	132921	A	90	A	70	100	70	44	70	64	32	50
95	132928	56	90	76	70	64	70	64	70	60	80	50
96	132908	84	90	72	70	68	90	68	80	44	60	80
97	132907	64	90	68	80	88	80	80	80	56	60	80
98	132936	76	80	92	90	88	90	64	90	68	64	70
99	132915	36	90	68	80	100	80	36	80	80	52	60

100	132929	64	90	80	90	56	100	64	90	68	40	80
101	132911	84	90	84	100	88	100	32	80	92	72	90
102	132914	80	90	44	90	100	100	80	90	60	76	60
103	132919	56	80	44	70	80	80	60	80	40	68	60
104	132930	76	80	28	70	64	80	80	70	48	36	60
105	132927	56	90	68	80	100	70	72	80	60	76	70
106	132910	100	80	88	100	100	100	100	100	100	60	90
107	132941	80	80	86	70	80	80	92	80	44	84	80
108	132922	28	90	44	80	88	80	56	90	84	68	70
109	132938	80	90	64	70	96	80	72	90	48	64	50
110	132912	52	90	64	90	100	80	84	90	96	76	90
111	132906	0	0	0	0	20	0	36	20	A	0	0
112	132939	28	80	76	90	60	90	60	80	72	48	60
113	132917	56	80	68	90	92	80	52	90	72	52	80
114	132909	100	90	80	100	100	100	96	100	92	56	80
115	132924	A	90	A	100	84	90	32	90	96	76	60
116	132905	56	90	8	80	0	80	14	90	84	72	0
117	132916	48	90	10	70	72	70	100	80	88	60	80
118	132902	28	90	40	80	92	90	88	80	92	76	80
119	132937	76	100	96	100	62	100	48	80	79	68	70
120	132940	34	100	50	100	48	100	72	70	84	70	70
121	132926	100	100	96	100	70	100	75	70	92	70	80
122	132925	86	100	76	100	54	100	56	70	56	70	0
123	132903	26	100	48	60	66	100	28	60	68	70	0
124	132931	82	100	88	100	30	100	72	60	89	70	50
125	132933	78	100	62	100	40	100	40	80	60	70	60
126	132918	74	100	30	100	30	100	30	70	68	70	50
127	132901	12	50	40	50	16	100	50	70	58	70	50
128	132920	47	60	47	60	26	100	62	90	89	70	70
129	132913	35	90	35	90	56	90	46	80	81	70	70
130	132935	82	100	60	100	48	90	56	80	60	70	80
131	132934	39	100	39	100	48	100	52	80	50	70	60
132	102325	56	90	60	70	0	70	0	80	52	90	0

	C313.1		C313.2		C313.3		C313.4		C313.5		AU
Benchmark	**CO1**	**A1**	**CO2**	**A2**	**CO3**	**A3**	**CO4**	**S1**	**CO5**	**Q1**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	64.84	91.67	64.06	78.79	62.6	80.3	61.07	92.42	75.2	65.91	70.45
Level Obtained	1	3	1	2	1	3	1	3	2	1	2

Survey:

Survey	**C313.1**	**C313.2**	**C313.3**	**C313.4**	**C313.5**
Obtained Percentage	95.84	93.70	94.60	94.69	92.14
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	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
CO313.1	1	3	-	-	1.6	2	1.84	3	2.07
CO313.2	1	2	-	-	1.3	2	1.72	3	1.98
CO313.3	1	3	-	-	1.6	2	1.84	3	2.07
CO313.4	1	-	3	-	1.4	2	1.76	3	2.01
CO313.5	2	-	-	1	1.8	2	1.92	3	2.14
C313									**2.05**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C313) Overall Attainment 2.05
	External Assessment (AU)	Internal Assessment (IA)	
C313.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C313.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C313.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C313.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]	[0.8*CO + 0.2*Survey]
C313.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C1313 = \frac{C313.1 + C313.2 + C313.3 + C313.4 + C313.5}{5} = 2.05$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Protection and Switch Gear: C402
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C402.1			C402.2		C402.3			C402.4	C402.5		AU
		CO1	A1	Q1	CO2	A2	CO3	A3	Q2	CO4	CO5	S1	
1	122301	84	100	90	94	100	86	100	80	100	92	90	70
2	122108	72	100	90	45	100	68	100	80	64	92	90	50
3	122048	92	90	90	92	100	80	100	80	90	96	90	80
4	122308	24	90	80	28	100	44	100	90	36	88	90	80
5	122119	90	100	90	58	100	60	100	80	90	92	90	70
6	122122	64	90	90	68	100	56	100	80	90	92	80	60
7	122110	80	90	60	76	100	56	100	70	98	68	80	70
8	122039	92	100	90	78	100	84	100	80	94	92	80	80
9	122107	86	100	90	96	100	92	100	80	96	96	80	80
10	122037	92	100	70	100	100	82	100	80	90	88	80	80
11	122026	98	100	90	100	100	95	100	80	95	92	75	80
12	122019	100	100	90	92	100	76	100	80	90	92	75	80
13	122309	44	80	90	56	100	44	0	80	76	72	75	50
14	122012	84	100	90	80	100	74	100	80	98	96	75	90
15	122049	80	100	90	80	100	72	100	80	90	96	75	80
16	122007	94	90	90	80	100	68	100	80	82	92	80	70
17	122017	96	90	90	64	100	56	100	80	66	96	80	60
18	122045	88	0	60	80	100	40	100	70	90	68	80	70
19	122030	90	100	90	80	100	76	100	90	86	96	90	80
20	122106	66	70	90	48	100	58	100	90	70	80	90	50
21	122052	44	100	80	60	100	11	100	90	14	72	90	50
22	122112	36	90	90	32	100	28	100	90	53	72	90	50
23	122005	92	100	90	68	100	88	100	90	98	92	90	70
24	122029	44	0	90	68	100	44	100	90	96	88	90	50
25	122025	52	0	90	80	100	60	100	80	90	92	80	70
26	122314	44	100	90	60	100	68	100	80	64	69	80	0
27	122051	72	100	90	84	100	36	100	80	68	92	75	50
28	122047	16	100	90	60	100	0	100	80	60	52	75	50
29	122306	48	100	85	60	100	A	100	75	A	84	75	50
30	122036	92	100	90	92	100	88	100	85	98	92	75	70
31	122116	60	80	80	40	80	44	90	90	76	72	90	60
32	122001	48	80	70	44	80	36	90	80	56	52	80	50
33	122041	84	60	100	56	90	76	90	100	84	72	100	70
34	122104	80	100	100	40	100	56	100	90	100	A	100	70
35	122040	92	90	90	60	90	A	90	100	A	84	90	70
36	122117	84	90	100	92	90	80	100	100	100	88	100	80
37	122102	80	100	100	56	100	80	100	100	92	A	90	60
38	122109	76	100	90	60	100	72	100	90	100	96	100	70
39	122050	60	90	90	56	90	80	90	90	96	84	100	70
40	122054	60	80	80	76	80	76	90	90	80	50	80	80
41	122024	92	100	100	88	100	84	90	90	100	96	100	80
42	122010	64	90	100	64	100	96	90	100	76	84	90	70
43	122004	84	100	90	88	100	96	100	90	100	84	100	80
44	122015	72	80	100	76	80	76	90	90	80	50	90	50
45	122313	72	90	90	56	90	68	90	90	80	80	100	80
46	122023	100	100	100	92	100	92	100	100	100	72	90	80
47	122033	96	90	90	92	100	80	100	100	100	92	100	70

48	122312	76	90	90	68	100	60	90	90	76	84	80	90
49	122021	44	90	80	32	90	44	90	90	84	64	80	50
50	122022	92	100	90	80	100	92	100	90	100	92	100	80
51	122304	96	90	100	84	100	68	100	90	56	96	90	90
52	122008	92	90	90	80	100	80	100	100	100	80	90	80
53	122044	72	90	90	68	100	72	100	100	60	72	100	50
54	122006	60	100	100	76	100	84	100	100	100	84	90	80
55	122038	64	90	100	68	100	68	100	100	96	88	90	60
56	122105	64	60	90	40	90	28	90	90	80	56	80	60
57	122101	36	70	100	32	90	44	90	100	92	80	100	80
58	122034	100	80	100	92	90	84	100	100	92	64	100	80
59	122316	76	90	90	60	100	80	100	90	68	56	90	80
60	122305	48	70	90	52	90	72	90	80	68	92	80	70
61	122028	36	90	90	32	70	44	70	90	100	72	80	50
62	122046	72	100	90	64	100	40	100	90	60	64	100	70
63	122003	76	100	100	84	100	100	100	100	88	88	90	80
64	122113	40	100	80	32	100	44	100	90	72	64	90	50
65	122103	84	100	90	68	100	72	100	90	76	96	100	60
66	122310	24	70	70	40	70	36	70	80	24	72	70	0
67	122031	60	70	70	48	70	44	70	80	56	50	70	50
68	122115	60	80	80	72	90	68	90	90	72	92	80	50
69	122307	A	100	90	A	100	84	100	100	100	76	100	70
70	122016	60	80	100	24	80	40	80	90	60	50	100	70
71	122035	60	90	100	24	90	40	90	90	60	50	100	50
72	122302	60	90	70	28	90	28	100	90	36	92	80	80
73	122014	60	90	80	32	100	28	90	70	36	92	70	60
74	122053	72	100	90	40	100	52	100	100	48	84	100	80
75	122114	48	90	100	52	100	48	100	90	52	64	100	70
76	122315	68	90	80	80	90	52	90	90	52	88	100	70
77	122011	72	90	90	60	100	88	100	90	100	92	100	80
78	122013	40	100	90	68	100	76	100	100	96	92	100	70
79	122303	60	100	90	68	100	72	100	100	92	82	100	70
80	122120	92	100	100	64	100	84	100	90	96	84	100	80
81	122009	92	100	100	88	100	88	100	100	100	92	90	90
82	122042	96	100	90	80	100	76	100	90	92	96	100	80
83	122111	64	90	100	72	80	44	80	90	92	50	90	60
84	122043	40	90	80	32	90	36	90	90	88	A	90	70
85	122032	84	90	100	96	90	64	90	90	84	92	90	90
86	122027	88	100	90	84	100	80	100	90	100	95	100	80
87	122118	48	70	80	36	70	60	70	90	88	87	80	70
88	122018	76	100	90	64	100	68	90	100	92	88	90	60
89	122002	16	90	90	32	90	76	100	90	100	80	100	80
90	122311	A	90	70	A	70	4	70	70	0	60	80	0
91	132923	56	0	90	60	100	A	100	85	A	92	90	70
92	132932	68	90	80	32	100	30	100	85	28	88	90	0
93	132904	60	0	70	8	100	26	100	85	26	65	90	70
94	132921	A	0	70	A	100	52	100	90	88	84	90	70
95	132928	12	0	80	80	100	54	100	90	82	84	80	70
96	132908	62	90	60	52	100	44	100	80	40	80	80	60
97	132907	52	90	60	72	100	36	100	90	72	68	80	70
98	132936	96	100	80	80	100	84	100	90	80	92	80	80
99	132915	52	0	90	74	100	36	100	80	64	96	80	50

100	132929	57	90	90	77	100	48	100	80	66	96	90	70
101	132911	92	90	90	88	100	62	100	80	62	92	90	60
102	132914	48	90	80	68	100	52	100	90	92	96	90	80
103	132919	48	100	80	40	100	56	100	90	76	80	90	70
104	132930	60	70	70	68	100	60	100	80	68	96	90	60
105	132927	60	90	80	56	90	32	90	80	56	72	80	70
106	132910	96	100	100	92	100	92	100	100	100	80	100	90
107	132941	68	90	100	60	90	88	90	100	96	72	100	60
108	132922	64	80	80	76	90	64	90	90	36	80	90	60
109	132938	56	90	90	44	90	96	90	80	92	60	90	70
110	132912	952	90	80	68	90	40	90	70	68	92	70	80
111	132906	A	70	70	A	70	16	70	70	68	A	70	0
112	132939	56	90	80	52	80	84	80	90	80	76	80	70
113	132917	40	90	90	40	90	68	90	90	92	88	90	50
114	132909	80	90	100	48	90	64	100	100	96	92	100	70
115	132924	48	80	90	72	90	100	90	90	64	92	90	50
116	132905	24	90	70	32	90	100	90	80	40	80	70	0
117	132916	56	90	90	72	90	60	90	80	44	96	90	70
118	132902	24	90	70	76	90	40	90	80	60	88	70	80
119	132937	64	90	100	44	90	80	90	90	72	88	90	100
120	132940	24	90	90	16	90	60	80	100	88	84	90	80
121	132926	80	90	100	76	90	92	100	90	100	96	90	80
122	132925	68	90	90	52	100	68	90	100	80	88	90	50
123	132903	32	90	90	52	100	48	90	90	64	52	90	60
124	132931	80	100	90	68	90	48	90	90	64	56	100	50
125	132933	36	90	100	40	90	36	90	100	48	60	90	50
126	132918	28	90	100	4	100	A	100	90	A	72	90	50
127	132901	36	80	90	24	80	60	70	90	96	96	90	70
128	132920	60	100	100	48	90	24	90	90	60	80	90	50
129	132913	80	90	90	84	90	64	90	90	76	84	90	60
130	132935	52	100	100	16	90	48	90	90	52	68	90	50
131	132934	68	80	100	48	90	44	90	90	60	64	90	50
132	102325	44	80	90	32	90	24	90	80	28	A	80	50

Benchmark	**C402.1**			**C402.2**		**C402.3**			**C402.4**	**C402.5**		**AU**
	CO1	**A1**	**Q1**	**CO2**	**A2**	**CO3**	**A3**	**Q2**	**CO4**	**CO5**	**S1**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	66.41	86.36	96.97	60.16	95.45	57.81	93.94	100	82.03	90.55	100	60.61
Level Obtained	1	3	3	1	3	0	3	3	3	3	3	1

Survey:

Survey	C402.1	C402.2	C402.3	C402.4	C402.5
Obtained Percentage	95.89	95.53	95.03	95.61	94.98
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 – C402:

Course	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
CO402.1	1	3	-	3	1.6	1	1.24	3	1.59
CO402.2	1	3	-	-	1.6	1	1.24	3	1.59
CO402.3	0	3	-	3	0.9	1	0.96	3	1.37
CO402.4	3	-	-	-	3	1	1.8	3	2.04
CO402.5	3	-	3	-	3	1	1.8	3	2.04
C402									**1.73**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C402) Overall Attainment 2.05
	External Assessment (AU)	**Internal Assessment (IA)**	
C402.1	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]	[0.8*CO + 0.2*Survey]
C402.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C402.3	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]	[0.8*CO + 0.2*Survey]
C402.4	AU Exam	[1*Internal Test]	[0.8*CO + 0.2*Survey]
C402.5	AU Exam	[0.8*Internal Test + 0.2*Seminar]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C402 = \frac{C402.1 + C402.2 + C402.3 + C402.4 + C402.5}{5} = 1.73$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Special Electrical Machines: C403
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C403.1		C403.2			C403.3		C403.4			C403.5			AU
		CO1	A1	CO2	A2	Q1	CO3	S1	CO4	A3	S2	CO5	A3	Q2	
1	122116	52	100	52	100	90	80	100	60	100	90	68	100	90	**80**
2	122001	64	100	52	100	90	80	90	88	100	90	60	100	90	**60**
3	122041	84	100	56	100	90	92	100	88	100	90	88	100	90	**80**
4	122104	80	100	84	100	90	80	100	80	100	90	60	100	90	**80**
5	122040	76	100	76	100	90	80	90	72	100	80	80	100	90	**70**
6	122117	92	100	76	100	90	92	90	88	100	90	88	100	90	**100**
7	122102	92	100	88	100	90	76	100	80	100	90	64	100	90	**80**
8	122109	88	100	88	100	90	88	100	88	100	90	60	100	90	**90**
9	122050	84	100	56	100	90	72	100	88	100	90	60	100	90	**70**
10	122054	96	80	76	100	90	80	90	80	100	80	76	100	90	**80**
11	122024	96	100	92	100	90	92	100	96	100	90	76	100	90	**90**
12	122010	88	100	44	100	90	92	90	56	100	90	56	100	90	**80**
13	122004	96	100	64	100	90	84	90	96	100	90	96	100	90	**80**
14	132927	60	100	36	100	80	52	80	56	100	90	64	100	90	**80**
15	122015	80	80	48	90	90	96	90	92	100	90	84	100	90	**80**
16	132910	80	100	92	100	100	84	100	84	100	100	88	100	100	**80**
17	132941	92	80	72	90	90	76	90	88	90	90	76	90	90	**70**
18	122313	88	80	52	90	90	92	90	80	100	90	80	100	90	**80**
19	122023	96	100	88	100	90	92	90	80	100	90	64	100	90	**80**
20	102325	48	80	44	90	80	52	80	60	90	8	52	90	80	**50**
21	122033	96	100	80	100	90	96	90	96	100	90	92	100	90	**90**
22	132922	12	80	64	80	90	72	90	44	90	90	84	90	90	**80**
23	122312	96	100	92	100	90	88	90	84	100	90	60	100	90	**100**
24	122021	80	100	24	90	90	84	90	40	90	90	44	90	90	**50**
25	122022	92	100	68	100	90	96	90	88	100	90	84	100	90	**90**
26	122304	92	100	80	100	90	96	90	84	100	90	84	100	90	**90**
27	132938	72	90	34	90	90	80	90	76	90	90	64	90	90	**50**
28	122008	96	100	84	100	90	96	90	80	100	90	72	100	90	**90**
29	122044	48	100	72	90	90	68	90	44	90	90	72	90	90	**0**
30	122006	76	100	68	100	90	96	90	36	100	90	80	100	90	**80**
31	132912	72	80	68	90	90	92	90	88	90	90	96	90	90	**70**
32	122038	92	100	72	100	90	88	90	84	100	90	88	100	90	**60**
33	122105	80	80	60	100	90	84	90	72	100	90	A	100	90	**80**
34	132939	88	100	56	100	90	44	90	64	100	90	72	100	90	**60**
35	122101	84	100	52	100	90	88	90	44	100	90	52	100	90	**70**
36	122034	88	100	52	100	90	96	90	92	100	90	58	100	90	**50**
37	122316	88	100	72	100	90	88	90	92	100	90	60	100	90	**80**
38	122305	88	100	76	100	90	88	90	52	100	90	64	100	90	**70**
39	132917	84	100	72	100	90	76	90	88	100	90	80	100	90	**80**
40	132909	92	100	52	100	90	92	90	80	100	90	72	100	90	**80**
41	132924	44	80	56	100	90	56	90	88	100	90	96	100	90	**60**
42	132905	44	80	16	90	90	68	90	36	90	90	60	90	90	**0**
43	132916	88	100	80	100	90	80	90	76	100	90	92	100	90	**70**
44	132902	72	100	32	100	90	76	90	88	100	90	88	100	90	**70**
45	132906	0	90	0	90	90	80	90	52	90	90	A	90	90	**0**
46	122028	84	100	32	100	90	84	90	72	100	90	68	100	90	**60**
47	122046	60	100	44	100	90	68	90	72	100	90	64	100	90	**70**

48	122003	88	100	80	100	90	80	90	92	100	90	52	100	90	**80**
49	122113	52	100	48	90	90	80	90	76	100	90	76	100	90	**70**
50	122310	92	100	40	90	90	92	90		100	90	56	100	90	**60**
51	122103	88	100	72	100	90	92	90	88	100	90	80	100	100	**50**
52	132937	88	100	60	100	100	76	10	80	100	10	76	100	100	**80**
53	132940	72	100	28	100	100	88	10	92	100	10	68	100	100	**70**
54	122031	92	80	52	100	90	76	90	72	100	90	68	100	100	**70**
55	122115	52	100	76	90	90	76	90	84	100	90	76	100	90	**70**
56	122307	92	100	60	90	90	60	90	72	100	90	56	100	100	**70**
57	122016	88	100	80	90	90	92	90	72	100	90	80	100	100	**80**
58	132926	88	100	80	100	100	80	10	92	100	10	92	100	100	**80**
59	132925	96	100	32	100	100	88	10	72	100	10	68	100	100	**0**
60	122035	72	100	48	100	90	92	80	28	100	90	60	100	90	**60**
61	122302	80	100	32	90	90	52	90	72	100	90	72	100	90	**70**
62	132903	12	80	76	100	90	68	90	80	100	90	60	100	90	**50**
63	132931	84	80	48	100	90	88	90	20	100	90	64	100	90	**70**
64	122014	84	100	48	100	90	72	90	36	100	90	56	100	90	**70**
65	132933	60	100	0	100	90	84	90	72	100	90	60	100	90	**70**
66	122053	84	100	64	100	90	92	90	80	100	90	72	100	100	**80**
67	132918	68	100	32	100	90	60	90	40	100	90	68	100	90	**50**
68	122114	64	100	44	100	90	84	90	32	100	90	68	100	90	**70**
69	122315	16	100	84	100	90	32	90	48	100	90	60	100	90	**70**
70	122011	92	100	64	100	90	88	90	92	100	90	A	100	90	**70**
71	122013	80	100	60	100	90	92	90	84	100	90	64	100	100	**90**
72	122303	76	100	60	100	100	80	100	84	100	100	56	100	100	**80**
73	122120	84	100	72	100	100	92	100	92	100	100	80	100	100	**70**
74	122009	96	100	92	100	100	96	100	96	100	100	88	100	100	**80**
75	122042	84	100	72	100	100	96	100	84	100	100	84	100	100	**80**
76	132901	80	80	48	100	90	92	90	80	100	90	56	100	90	**60**
77	122111	96	80	60	100	100	76	100	64	100	100	60	100	100	**80**
78	122043	92	100	72	100	100	80	100	72	100	100	76	100	100	**90**
79	122032	88	100	84	100	100	88	100	64	100	100	80	100	100	**80**
80	132920	68	100	32	100	90	64	90	64	100	90	72	100	90	**60**
81	132935	36	80	72	100	90	84	90	56	100	90	48	100	90	**70**
82	132913	64	100	36	100	90	60	90	80	100	90	80	100	90	**80**
83	122027	96	100	72	100	100	96	100	92	100	100	80	100	100	**90**
84	132934	68	100	32	100	90	76	90	60	100	90	60	100	90	**70**
85	122118	40	80	40	100	90	28	90	0	90	90	48	90	90	**70**
86	122018	84	100	70	100	100	80	100	72	100	100	80	100	100	**80**
87	122002	84	100	40	100	100	80	100	84	100	100	80	100	100	**90**
88	122311	4	100	0	90	80	80	80	0	90	80	A	90	80	**50**
89	122301	80	100	80	90	90	96	100	84	90	90	96	90	90	**90**
90	122108	56	90	72	90	80	68	100	80	90	90	96	90	90	**70**
91	122048	96	90	84	90	90	76	90	76	90	90	88	90	90	**80**
92	122308	60	90	80	90	90	68	80	80	90	90	92	90	90	**70**
93	122119	88	90	52	80	80	72	80	68	80	80	36	80	90	**80**
94	122122	96	90	84	90	90	84	90	52	90	90	96	90	90	**90**
95	122110	100	90	98	90	90	92	80	68	90	90	92	90	90	**70**
96	122039	100	90	84	90	90	76	90	72	90	90	96	90	90	**90**
97	122107	100	90	88	90	90	100	90	92	90	90	100	90	100	**90**
98	122037	92	90	84	90	90	96	90	72	90	90	98	90	90	**90**
99	122026	100	90	96	90	90	100	90	84	90	90	96	90	90	**100**

100	122019	76	90	68	90	90	100	90	80	90	80	88	90	90	**90**
101	122309	44	80	36	80	80	45	80	40	80	80	68	80	80	**0**
102	122012	88	90	92	90	100	96	90	64	90	100	98	90	90	**90**
103	122049	100	90	88	90	90	84	80	84	90	90	96	90	90	**80**
104	122007	72	90	100	90	90	96	90	84	90	90	98	90	90	**80**
105	122017	96	90	84	90	90	52	90	76	90	90	96	90	90	**70**
106	122045	64	90	72	90	90	60	80	72	90	80	80	90	90	**80**
107	122030	92	90	64	90	90	76	90	72	90	90	96	90	90	**80**
108	122106	60	90	60	80	80	76	80	80	90	90	92	90	90	**50**
109	122052	48	90	80	80	90	84	80	56	90	80	92	90	80	**70**
110	122112	96	90	64	90	90	84	80	52	90	80	76	90	80	**70**
111	122005	80	90	76	90	90	96	90	88	90	90	100	90	90	**90**
112	122029	84	90	76	90	90	72	90	68	90	80	84	90	90	**80**
113	122025	84	90	84	90	90	88	80	60	90	90	92	90	80	**80**
114	122314	28	90	80	80	80	48	90	68	90	80	60	90	80	**60**
115	122051	72	80	68	80	90	72	90	52	90	80	96	90	80	**70**
116	122047	64	90	56	90	80	80	80	8	90	80	80	90	80	**70**
117	122306	44	90	80	90	80	68	80	60	80	80	80	80	80	**50**
118	122036	96	90	92	90	90	100	90	84	90	100	96	90	100	**90**
119	132923	92	80	56	80	90	68	80	84	80	90	88	80	80	**70**
120	132932	56	80	48	80	80	56	80	64	80	80	76	80	80	**50**
121	132904	16	80	24	80	80	40	90	48	80	80	72	80	80	**50**
122	132921	88	90	72	80	80	60	80	56	80	80	A	80	80	**0**
123	132928	80	80	72	80	90	84	80	80	90	90	96	90	90	**70**
124	132908	68	90	80	90	90	88	90	88	80	80	92	80	80	**70**
125	132907	32	90	36	90	80	72	80	72	90	80	92	90	100	**80**
126	132936	84	90	88	90	90	92	90	92	90	100	92	90	80	**90**
127	132915	96	90	72	90	90	72	90	80	90	90	96	90	100	**80**
128	132929	88	90	80	90	90	96	90	76	90	90	96	90	90	**80**
129	132911	96	90	84	90	80	92	90	84	90	80	96	90	90	**90**
130	132914	84	90	84	90	80	68	90	72	90	80	98	90	90	**60**
131	132919	80	90	80	90	80	80	80	84	90	80	88	90	90	**70**
132	132930	80	90	80	90	90	64	80	84	90	90	92	90	80	**80**

Benchmark	**C403.1**		**C403.2**			**C403.3**		**C403.4**			**C403.5**			**AU**
	CO1	**A1**	**CO2**	**A2**	**Q1**	**CO3**	**S1**	**CO4**	**A3**	**S2**	**CO5**	**A3**	**Q2**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	83.33	100	64.39	100	100	90.91	96.97	78.79	100	96.21	88.98	100	100	78.30
Level Obtained	3	3	1	3	3	3	3	2	3	3	3	3	3	2

Survey:

Survey	C403.1	C403.2	C403.3	C403.4	C403.5
Obtained Percentage	97.03	95.55	95.09	96.05	94.71
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 – C403:

Course	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C403.1	3	3	-	-	3	2	2.4	3	2.52
C403.2	1	3	-	3	1.6	2	1.84	3	2.07
C403.3	3	-	3	-	3	2	2.4	3	2.52
C403.4	2	3	3	-	2.3	2	2.12	3	2.3
C403.5	3	3	-	3	3	2	2.4	3	2.52
C403									**2.39**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C403) Overall Attainment 2.39
	External Assessment (AU)	Internal Assessment (IA)	
C403.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C403.2	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]	[0.8*CO + 0.2*Survey]
C403.3	AU Exam	[0.8*Internal Test + 0.2*Seminar]	[0.8*CO + 0.2*Survey]
C403.4	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Seminar]	[0.8*CO + 0.2*Survey]
C403.5	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C403 = \frac{C403.1 + C403.2 + C403.3 + C403.4 + C403.5}{5} = 2.39$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Principles of Management: C404
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C404.1			C404.2		C404.3			C404.4	C404.5			AU
		CO1	A1	Q1	CO2	Q2	CO3	A2	S1	CO4	CO5	A3	S2	
1	122301	80	100	90	80	90	88	100	90	88	88	90	90	80
2	122108	36	100	90	16	90	76	80	90	74	80	90	90	90
3	122048	60	90	80	48	90	72	80	70	68	72	70	80	70
4	122308	52	80	70	48	70	48	80	70	52	68	70	70	50
5	122119	64	90	70	56	80	70	70	70	80	62	80	60	50
6	122122	52	90	70	56	80	64	70	60	72	70	70	60	70
7	122110	60	90	90	64	80	72	100	60	64	80	90	60	70
8	122039	88	90	100	88	90	84	100	80	92	89	90	80	80
9	122107	56	90	100	44	100	76	90	100	84	85	80	100	70
10	122037	92	100	100	92	100	88	100	100	92	90	90	100	60
11	122026	92	100	100	88	100	88	100	100	96	90	90	100	80
12	122019	68	80	100	48	100	92	90	90	88	90	80	90	90
13	122309	60	80	90	60	100	64	80	80	64	88	70	80	50
14	122012	80	80	100	80	100	84	80	100	88	90	70	100	90
15	122049	84	90	90	80	100	88	100	80	88	92	90	90	70
16	122007	64	80	90	68	90	68	80	70	88	80	70	80	70
17	122017	60	80	90	80	90	92	80	70	92	88	90	80	70
18	122045	88	80	100	68	100	84	80	100	76	84	90	90	80
19	122030	88	100	90	80	90	88	90	90	92	94	90	90	80
20	122106	52	90	80	70	100	60	90	80	64	68	80	90	70
21	122052	64	90	80	72	100	60	90	80	56	84	70	90	70
22	122112	40	90	90	24	100	48	80	60	40	44	70	70	70
23	122005	80	90	100	88	100	76	90	90	76	80	80	100	90
24	122029	12	80	100	16	100	88	80	80	76	92	90	90	80
25	122025	52	80	90	60	90	56	80	60	64	76	70	70	70
26	122314	56	90	80	44	100	68	80	90	62	78	80	90	50
27	122051	64	100	90	44	100	72	100	80	48	70	80	90	70
28	122047	56	90	80	60	80	64	90	60	56	65	70	70	60
29	122306	22	80	90	24	80	52	90	90	48	40	80	90	50
30	122036	84	90	80	86	100	88	90	90	92	86	80	90	70
31	132923	48	90	100	0	100	68	90	70	52	43	90	80	50
32	132932	10	80	100	8	80	12	90	50	60	44	100	50	50
33	132904	50	100	80	0	40	22	80	40	28	25	100	40	50
34	132921	72	90	90	48	80	32	80	60	28	A	70	60	50
35	132928	56	90	80	46	80	62	80	60	60	84	70	60	50
36	132908	60	80	80	52	80	80	80	70	74	40	70	80	50
37	132907	52	100	100	60	80	40	90	70	80	50	80	80	70
38	132936	44	90	80	74	100	80	90	100	90	60	90	100	80
39	132915	56	80	80	68	90	72	80	100	72	72	70	100	70
40	132929	62	80	80	40	90	72	80	80	68	66	70	80	80
41	132911	72	90	80	82	90	78	90	100	72	70	100	100	80
42	132914	60	90	80	60	100	80	90	100	80	84	80	100	70
43	132919	52	90	80	48	90	72	90	80	68	68	70	80	50
44	132930	24	90	80	28	90	88	90	80	82	84	80	70	70
45	122116	72	100	90	76	100	88	90	100	88	88	100	80	70
46	122001	88	80	100	88	90	76	60	70	76	88	90	90	70
47	122041	88	90	80	88	80	88	100	100	88	72	80	100	80

48	122104	88	100	100	80	100	84	80	80	88	88	90	80	70
49	122040	84	90	80	88	90	74	90	90	80	84	100	90	90
50	122117	88	90	80	88	80	92	90	100	92	88	100	100	90
51	122102	84	100	100	72	80	64	90	80	60	72	80	90	70
52	122109	88	80	100	72	90	84	100	90	86	88	90	80	90
53	122050	92	90	90	88	100	80	100	100	85	88	80	100	80
54	122054	84	90	80	76	100	80	100	100	88	60	80	90	50
55	122024	88	80	100	88	90	88	80	80	84	84	90	80	90
56	122010	88	100	80	84	80	84	90	90	84	76	80	100	70
57	122004	88	100	100	88	80	88	80	90	84	88	90	80	80
58	122015	60	90	100	80	90	88	100	90	88	88	80	90	70
59	122313	68	80	90	88	100	84	90	100	76	88	100	100	60
60	122023	92	80	100	84	90	76	90	90	84	84	90	80	70
61	122033	88	100	80	92	100	84	100	100	84	88	90	90	90
62	122312	84	90	90	76	90	88	100	80	88	88	90	100	90
63	122021	76	100	100	84	80	80	90	80	80	80	80	90	0
64	122022	88	90	100	88	90	88	80	90	88	92	90	80	90
65	122304	88	100	80	88	100	88	80	100	80	88	90	90	90
66	122008	92	90	100	88	80	84	80	80	80	88	100	90	90
67	122044	92	90	80	72	90	74	100	90	80	88	80	100	50
68	122006	88	80	90	88	90	88	90	100	88	88	100	80	80
69	122038	92	100	100	90	90	80	90	80	72	92	80	90	80
70	122105	84	100	100	76	80	84	100	100	56	80	90	9	70
71	122101	76	90	100	80	80	64	80	90	72	72	100	80	60
72	122034	80	90	90	88	100	80	100	100	84	84	80	80	60
73	122316	88	80	100	80	90	88	90	80	92	88	100	90	50
74	122305	72	80	90	76	100	76	100	100	76	88	90	80	70
75	132927	88	100	90	88	100	76	90	100	80	80	80	80	70
76	132910	88	100	80	88	80	76	100	100	80	84	90	90	80
77	132941	82	100	100	76	90	80	80	80	80	92	90	100	70
78	132922	92	80	90	88	90	88	90	80	76	80	100	100	90
79	132938	88	90	90	88	80	88	100	90	84	80	80	100	50
80	132912	88	80	100	68	80	88	90	80	84	84	100	90	90
81	132939	76	100	100	56	90	72	80	80	76	88	90	90	90
82	132917	84	90	90	88	100	88	100	100	80	80	80	80	70
83	132909	88	80	90	88	90	80	90	80	84	80	100	90	80
84	132924	88	90	100	92	90	84	100	90	72	88	70	80	60
85	132905	72	70	90	36	100	84	80	100	84	72	90	80	50
86	132916	88	70	90	88	90	82	80	100	82	84	90	90	50
87	132902	84	100	100	76	80	88	70	80	88	88	80	90	80
88	102325	68	100	80	80	90	64	90	100	68	60	80	90	50
89	122028	76	80	90	72	90	76	100	100	76	92	100	90	70
90	122046	80	100	90	64	90	72	90	100	88	72	100	100	70
91	122003	88	100	90	88	90	82	90	100	82	83	100	100	80
92	122113	64	80	90	60	80	84	90	100	76	76	100	100	70
93	122103	84	100	80	80	90	88	88	100	88	96	90	90	80
94	122310	A	90	100	A	90	88	100	100	88	80	100	90	70
95	122031	86	100	80	86	80	80	90	100	80	83	100	90	70
96	122115	88	90	80	80	90	84	100	100	60	82	90	80	60
97	122307	88	100	100	84	100	84	100	100	84	60	100	100	50
98	122016	88	90	90	82	90	88	90	100	80	76	100	80	80
99	122035	84	80	90	84	90	88	90	90	84	85	100	80	60

100	122302	80	80	80	76	80	76	90	80	68	81	100	90	50
101	122014	60	90	90	36	90	40	10	80	84	86	100	80	50
102	122053	76	90	100	76	80	80	100	80	88	80	90	90	70
103	122114	80	100	100	56	90	48	90	100	68	54	80	90	50
104	122315	76	90	90	64	90	88	100	90	88	84	90	90	50
105	122011	88	100	80	88	80	80	90	90	80	A	90	80	60
106	122013	84	90	80	84	80	80	100	80	84	80	100	80	80
107	122303	88	100	90	88	90	72	100	80	80	86	100	90	80
108	122120	88	100	80	88	80	90	100	90	90	88	100	80	70
109	122009	80	100	90	88	80	88	100	80	88	85	100	80	70
110	122042	88	100	90	88	90	89	80	90	89	82	80	80	70
111	122111	32	100	100	64	90	88	90	80	72	84	80	90	50
112	122043	88	80	80	80	90	88	90	80	88	72	100	80	70
113	122032	88	100	100	92	100	88	100	80	84	76	100	100	70
114	122027	91	90	100	91	100	90	100	100	88	82	100	100	70
115	122118	84	100	90	60	90	20	100	100	12	24	90	90	70
116	122018	88	100	90	88	80	84	90	100	84	78	90	80	60
117	122002	88	80	80	88	80	88	80	80	88	90	100	90	70
118	122311	78	100	70	78	70	80	90	80	42	A	80	70	50
119	132937	88	100	90	76	90	66	90	80	66	65	90	90	60
120	132940	76	90	100	72	90	80	90	90	88	92	80	100	50
121	132926	88	80	90	84	90	88	90	100	88	78	90	90	80
122	132925	80	90	90	72	80	82	80	80	82	72	80	90	50
123	132903	88	80	90	88	90	80	80	90	88	89	100	100	80
124	132931	88	90	80	88	90	86	100	90	86	80	100	80	70
125	132933	88	100	90	84	90	80	100	80	76	90	90	90	60
126	132918	84	90	100	80	90	76	100	80	80	88	90	100	70
127	132901	76	90	100	80	100	82	100	80	82	92	80	100	50
128	132920	84	100	80	76	100	80	90	90	80	90	90	80	90
129	132913	88	80	100	80	80	80	80	90	88	92	100	90	70
130	132935	72	100	90	44	80	80	100	90	88	88	80	100	50
131	132934	56	90	80	60	90	80	100	100	88	90	90	90	60
132	132906	A	100	80	A	100	24	100	100	24	76	100	100	50

Benchmark	**C404.1**			**C404.2**		**C404.3**			**C404.4**	**C404.5**			**AU**
	CO1	**A1**	**Q1**	**CO2**	**Q2**	**CO3**	**A2**	**S1**	**CO4**	**CO5**	**A3**	**S2**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	83.08	98.48	100	80	99.24	90.91	96.21	93.18	90.15	93.02	87.12	93.94	65.91
Level Obtained	3	3	3	3	3	3	3	3	3	3	3	3	1

Survey:

Survey	C404.1	C404.2	C404.3	C404.4	C404.5
Obtained Percentage	94.58	94.89	93.75	93.97	93.82
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	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C404.1	3	3	-	3	3	1	1.8	3	2.04
C404.2	3	-	-	3	3	1	1.8	3	2.04
C404.3	3	3	3	-	3	1	1.8	3	2.04
C404.4	3	-	-	-	3	1	1.8	3	2.04
C404.5	3	3	3	-	3	1	1.8	3	2.04
C404									**2.04**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C404) Overall Attainment 2.04
	External Assessment (AU)	Internal Assessment (IA)	
C404.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C404.2	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]	[0.8*CO + 0.2*Survey]
C404.3	AU Exam	[0.8*Internal Test + 0.2*Seminar]	[0.8*CO + 0.2*Survey]
C404.4	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Seminar]	[0.8*CO + 0.2*Survey]
C404.5	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C404 = \frac{C404.1 + C404.2 + C404.3 + C404.4 + C404.5}{5} = 2.04$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Operating Systems: C413C
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C413C.1		C413C.2		C413C.3		C413C.4			C413C.5			AU
		CO1	A1	CO2	A2	CO3	A3	CO4	S1	Q1	CO5	S2	Q2	
1	122301	74	94	86	92	89	96	52	80	90	89	80	80	70
2	122108	68	96	60	94	62	96	89	90	90	68	90	90	70
3	122048	66	96	78	94	60	98	76	90	90	50	90	90	70
4	122308	66	94	78	94	62	96	50	80	80	69	90	90	50
5	122119	62	92	50	94	56	94	72	90	90	50	90	80	50
6	122122	54	90	66	92	62	94	78	80	90	50	80	80	60
7	122110	66	94	54	96	74	98	90	90	90	72	90	90	70
8	122039	86	94	74	96	69	98	85	90	90	80	90	80	50
9	122107	66	94	74	98	64	96	80	90	80	84	90	80	80
10	122037	68	94	80	94	76	96	92	90	90	80	90	90	80
11	122026	80	92	92	94	80	96	92	90	90	96	90	80	70
12	122019	70	98	82	96	76	94	92	80	80	80	80	80	70
13	122309	40	90	72	92	48	94	64	90	90	60	90	90	0
14	122012	80	92	70	94	80	94	96	90	80	88	90	80	70
15	122049	60	94	72	92	68	96	84	90	90	96	90	80	70
16	122007	54	92	70	92	66	94	82	80	80	68	80	80	70
17	122017	90	92	74	94	66	92	82	80	90	64	80	90	50
18	122045	56	92	72	92	60	94	76	80	90	52	80	90	70
19	122030	58	92	74	94	79	96	84	80	90	88	90	90	50
20	122106	46	94	62	96	54	96	66	90	90	60	90	90	50
21	122052	60	96	44	96	54	98	70	90	90	80	90	90	50
22	122112	62	92	50	88	64	92	80	90	90	76	80	90	0
23	122005	72	94	88	92	68	96	84	80	90	12	90	90	80
24	122029	68	90	46	92	48	90	60	80	80	52	90	90	50
25	122025	44	86	56	90	64	96	80	90	90	64	90	90	50
26	122314	58	92	46	94	60	94	72	80	80	50	80	80	50
27	122051	64	92	80	92	56	96	72	90	90	80	90	80	50
28	122047	22	96	34	96	70	90	54	90	90	60	90	80	50
29	122306	22	92	22	94	48	94	60	90	80	72	90	80	50
30	122036	76	96	92	92	72	94	88	80	80	92	90	80	70
31	132923	68	100	32	0	68	100	44	80	100	76	90	100	50
32	132932	24	100	28	100	64	90	48	80	100	52	80	100	50
33	132904	68	100	60	0	72	90	92	100	100	72	100	100	50
34	132921	60	100	44	100	72	100	84	100	100	100	100	100	60
35	132928	52	100	56	0	88	90	80	100	100	84	100	100	60
36	132908	76	100	68	100	92	100	92	100	100	88	100	100	70
37	132907	56	100	44	100	80	100	80	90	100	60	90	100	50
38	132936	64	100	68	100	96	90	84	90	100	68	80	100	60
39	132915	48	100	76	100	68	100	72	80	100	60	70	100	60
40	132929	48	100	60	0	68	100	80	80	100	52	80	100	50
41	132911	72	100	96	100	92	100	92	90	100	96	100	100	70
42	132914	56	100	68	0	72	100	48	90	100	64	100	100	60
43	132919	92	100	64	100	76	100	72	90	100	88	90	100	70
44	132930	68	100	68	0	88	100	88	90	100	84	90	100	50
45	122116	68	0	56	0	72	100	68	100	100	84	90	100	90
46	122001	76	100	68	100	80	100	88	90	100	88	90	100	50
47	122041	40	100	24	100	0	100	0	70	100	0	70	100	0

48	122104	68	100	92	100	76	100	96	90	100	96	90	100	70
49	122040	56	100	56	0	80	100	64	90	100	68	80	100	80
50	122117	28	100	12	100	32	100	16	80	100	64	80	100	0
51	122102	64	100	80	100	64	100	80	80	100	96	80	100	80
52	122109	88	100	80	100	96	100	92	90	100	96	70	100	70
53	122050	92	100	52	100	92	100	88	90	100	96	90	100	70
54	122054	64	100	36	100	56	100	28	90	100	64	80	100	0
55	122024	64	100	60	100	72	100	84	90	100	84	90	100	80
56	122010	88	100	44	0	96	100	84	90	100	92	90	100	70
57	122004	48	0	52	0	36	100	40	90	100	36	80	100	50
58	122015	60	0	56	0	60	100	56	100	100	A	100	100	0
59	122313	60	100	88	0	88	100	92	100	100	96	100	100	50
60	122023	84	100	56	100	88	100	92	100	100	72	100	100	70
61	122033	44	100	24	0	56	91	88	100	100	49	100	100	80
62	122312	50	85	62	79	44	87	60	80	90	56	80	80	50
63	122021	60	94	84	96	74	96	66	90	90	56	90	90	70
64	122022	84	96	56	96	92	98	92	90	90	76	90	90	50
65	122304	44	92	56	96	60	92	52	80	80	64	90	90	50
66	122008	60	94	44	88	52	96	52	90	90	56	90	80	70
67	122044	44	90	100	92	76	90	60	80	90	68	80	80	70
68	122006	68	86	40	92	60	88	64	80	80	50	80	80	60
69	122038	44	92	60	90	64	94	72	90	90	80	90	90	50
70	122105	74	94	70	94	74	96	66	90	80	64	90	90	0
71	122101	64	96	64	92	92	98	80	90	90	64	90	90	50
72	122034	48	92	52	96	68	94	60	80	90	56	90	80	50
73	122316	48	90	60	94	64	94	80	90	90	68	80	90	50
74	122305	40	94	60	92	68	96	60	80	90	50	90	80	50
75	132927	52	94	60	92	84	94	80	90	90	64	80	90	80
76	132910	68	94	60	92	68	94	80	90	80	60	80	90	50
77	132941	60	90	52	92	80	94	64	90	80	68	80	80	50
78	132922	40	94	76	92	68	96	60	90	90	A	90	90	50
79	132938	76	94	60	92	90	98	80	90	90	80	90	90	50
80	132912	44	94	60	92	90	96	70	80	90	76	90	90	70
81	132939	70	96	78	94	70	96	90	90	90	68	90	90	60
82	132917	68	96	70	94	76	98	80	90	90	72	90	90	80
83	132909	98	94	70	94	80	96	76	90	90	72	80	90	70
84	132924	44	92	60	94	68	94	60	80	90	48	90	90	60
85	132905	80	90	80	92	A	94	A	80	80	76	90	90	60
86	132916	64	94	60	96	90	98	70	90	90	68	90	90	70
87	132902	96	94	60	96	96	98	84	90	90	80	90	90	60
88	102325	16	80	20	90	64	92	40	80	80	76	80	80	50
89	122028	68	94	60	94	72	96	76	90	90	60	90	90	70
90	122046	72	92	52	94	68	96	60	90	80	64	80	90	50
91	122003	6	A	6	A	44	80	40	70	80	12	70	80	0
92	122113	48	92	60	92	60	94	72	80	90	60	90	80	50
93	122103	56	94	44	92	80	96	64	90	90	68	80	80	50
94	122310	22	94	34	92	60	94	48	90	90	0	90	80	50
95	122031	52	94	68	96	72	94	89	80	90	50	80	90	0
96	122115	62	94	50	96	52	98	64	90	90	96	80	90	60
97	122307	48	94	60	96	60	94	76	90	80	52	80	90	60
98	122016	52	92	78	92	68	94	52	80	90	76	90	90	50
99	122035	70	94	86	92	64	96	80	80	80	60	90	90	70

100	122302	62	92	50	96	72	92	84	80	90	72	90	90	50
101	122014	52	94	68	96	85	93	69	90	90	72	80	90	50
102	122053	60	92	76	92	84	94	72	80	80	76	90	90	50
103	122114	62	92	50	94	72	96	56	90	90	64	80	80	50
104	122315	52	94	68	96	72	88	60	90	90	72	90	90	70
105	122011	62	92	50	88	88	94	72	80	80	44	80	90	50
106	122013	64	0	36	0	68	90	52	100	100	76	100	100	0
107	122303	92	0	92	0	96	90	92	100	100	88	100	100	80
108	122120	32	0	32	0	88	90	64	90	100	76	90	100	50
109	122009	80	100	76	100	92	100	12	90	100	88	90	100	80
110	122042	32	100	36	0	88	100	72	80	100	52	80	100	50
111	122111	72	100	40	100	84	100	72	80	100	96	90	100	60
112	122043	40	A	8	80	48	90	80	70	100	A	80	80	0
113	122032	36	100	28	0	48	90	52	80	100	40	80	100	50
114	122027	20	0	36	0	72	90	64	80	100	68	90	100	0
115	122118	64	100	64	0	64	90	72	90	100	96	80	100	70
116	122018	52	100	48	0	92	90	84	80	100	92	80	100	70
117	122002	44	0	28	0	56	90	68	80	100	92	80	100	0
118	122311	72	100	32	100	88	100	68	90	100	92	80	100	50
119	132937	64	100	36	0	72	90	28	90	100	80	80	100	50
120	132940	78	90	50	92	72	94	60	80	90	64	90	80	50
121	132926	58	92	42	94	84	94	80	90	90	68	80	80	0
122	132925	76	94	80	92	76	96	80	90	90	76	90	90	70
123	132903	48	92	60	92	60	94	72	90	80	80	80	90	70
124	132931	54	94	46	92	72	92	76	80	90	50	80	90	50
125	132933	60	92	52	92	68	94	60	90	90	50	80	80	60
126	132918	0	92	0	90	76	94	40	80	90	68	90	90	0
127	132901	52	94	48	92	54	96	46	80	80	52	90	90	50
128	132920	54	92	46	94	48	92	60	80	90	52	90	90	50
129	132913	0	94	0	96	78	98	74	90	90	64	80	90	70
130	132935	52	92	48	94	70	96	48	80	80	60	90	90	60
131	132934	44	92	60	92	68	94	94	80	80	60	90	90	50
132	132906	44	94	60	96	70	98	50	90	90	52	90	90	0

Benchmark	**C413C.1**		**C413C.2**		**C413C.3**		**C413C.4**			**C413C.5**			**AU**
	CO1	**A1**	**CO2**	**A2**	**CO3**	**A3**	**CO4**	**S1**	**Q1**	**CO5**	**S2**	**Q2**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	55.3	93.85	54.55	81.68	83.97	100	80.15	100	100	75.97	100	100	34.09
Level Obtained	0	3	0	3	3	3	3	3	3	2	3	3	0

Survey:

Survey	C413C.1	C413C.2	C413C.3	C413C.4	C413C.5
Obtained Percentage	97.13	95.93	95.83	96.41	96.53
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 – C413C:

Course	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C413C.1	0	3	-	-	0.9	0	0.36	3	0.89
C413C.2	0	3	-	-	0.9	0	0.36	3	0.89
C413C.3	3	3	-	-	3	0	1.2	3	1.56
C413C.4	3	-	3	3	3	0	1.2	3	1.56
C413C.5	2	-	3	3	2.2	0	0.88	3	1.3
C413C									**1.24**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C405C) Overall Attainment 1.24
	External Assessment (AU)	Internal Assessment (IA)	
C413C.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C413C.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C413C.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C413C.4	AU Exam	[0.8*Internal Test + 0.1*Seminar + 0.1*Quiz]	[0.8*CO + 0.2*Survey]
C413C.5	AU Exam	[0.8*Internal Test + 0.1*Seminar + 0.1*Quiz]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C413C = \frac{C413C.1 + C413C.2 + C413C.3 + C413C.4 + C413C.5}{5} = 1.24$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Biomedical Instrumentation: C405E2
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C405E2.1	C405E2.2		C405E2.3		C405E2.4		C405E2.5			AU
		CO1	CO2	A1	CO3	A2	CO4	A3	CO5	S1	Q1	
1	122301	92	72	90	92	70	88	90	88	90	80	80
2	122108	88	32	100	84	80	56	90	92	90	90	90
3	122048	80	64	90	84	100	68	80	92	70	80	70
4	122308	52	48	80	76	50	96	70	4	50	30	50
5	122119	32	68	80	84	40	96	60	56	50	60	50
6	122122	60	56	80	88	40	92	90	84	70	60	70
7	122110	68	80	100	84	50	92	90	84	70	50	80
8	122039	96	80	100	88	100	84	90	88	80	90	80
9	122107	52	60	100	92	100	84	90	88	100	90	70
10	122037	76	76	100	92	100	92	100	88	90	90	60
11	122026	100	84	90	96	100	96	100	92	100	100	80
12	122019	80	60	90	92	90	96	80	96	90	90	90
13	122309	40	24	50	84	40	52	100	64	50	50	50
14	122012	96	84	100	92	100	92	100	100	90	90	90
15	122049	68	22	100	92	100	80	100	88	80	50	70
16	122007	84	80	70	84	80	96	100	100	100	90	70
17	122017	84	28	80	80	50	80	80	92	70	30	70
18	122045	76	80	50	92	70	84	100	52	100	80	80
19	122030	80	30	90	92	100	88	100	96	100	80	80
20	122106	56	20	40	76	60	72	90	80	70	50	70
21	122052	32	68	100	84	100	76	100	92	90	70	70
22	122112	48	16	80	56	100	76	80	64	60	50	70
23	122005	100	80	90	88	90	96	100	100	50	70	90
24	122029	80	56	90	84	70	68	80	52	90	70	80
25	122025	72	8	80	80	90	72	100	48	80	70	70
26	122314	48	52	70	80	50	88	80	88	90	60	50
27	122051	60	64	100	76	100	84	80	80	70	60	70
28	122047	48	0	60	72	90	48	70	44	60	50	60
29	122306	48	56	70	52	60	76	60	64	70	50	50
30	122036	100	76	100	92	100	84	100	100	80	70	70
31	132923	A	A	80	84	90	68	90	88	60	80	50
32	132932	52	48	80	88	80	72	90	84	50	80	50
33	132904	88	68	90	96	90	96	90	92	100	90	80
34	132921	96	96	90	96	90	92	90	96	80	90	60
35	132928	78	78	90	80	90	92	80	92	80	90	70
36	132908	96	68	90	100	90	92	90	96	90	100	90
37	132907	80	72	90	92	90	92	90	96	80	90	70
38	132936	96	84	90	96	90	96	90	96	80	80	70
39	132915	72	48	90	88	90	80	90	92	70	80	0
40	132929	68	48	90	88	90	76	90	80	60	100	70
41	132911	92	92	90	96	90	96	90	96	100	90	100
42	132914	64	60	90	92	90	88	90	92	70	90	80
43	132919	84	56	90	96	90	96	90	96	80	80	70
44	132930	52	24	90	80	90	92	90	92	80	90	80
45	122116	80	72	90	88	90	92	90	88	90	90	80
46	122001	92	84	90	96	90	96	90	96	90	90	70
47	122041	96	80	90	96	90	92	90	96	90	100	70
48	122104	92	84	90	92	90	84	90	96	80	90	70

49	122040	28	12	80	44	70	64	90	80	60	70	0
50	122117	96	96	90	96	90	92	90	96	90	90	90
51	122102	96	88	90	96	90	96	90	96	80	90	80
52	122109	92	96	90	92	90	96	90	96	90	100	70
53	122050	76	48	90	92	90	88	90	92	70	80	60
54	122054	88	92	90	96	90	96	90	96	90	90	80
55	122024	88	60	90	92	80	94	90	84	80	80	50
56	122010	28	0	90	68	80	40	80	64	80	80	50
57	122004	20	8	80	92	90	76	90	40	80	80	60
58	122015	84	80	90	84	90	88	90	96	90	90	90
59	122313	84	84	90	92	90	96	90	96	90	90	70
60	122023	76	68	90	84	90	76	80	92	80	80	70
61	122033	52	48	100	84	100	76	100	60	90	100	0
62	122312	68	60	100	92	100	76	100	56	90	100	0
63	122021	56	80	100	100	100	72	100	88	100	100	80
64	122022	60	40	100	88	100	64	100	76	100	80	70
65	122304	92	76	100	92	100	72	100	84	90	90	50
66	122008	76	0	0	64	90	64	90	60	90	100	70
67	122044	56	44	0	46	90	42	90	52	90	90	0
68	122006	48	52	0	96	90	68	90	36	90	100	50
69	122038	72	48	100	92	100	76	100	56	100	100	50
70	122105	56	44	100	100	100	72	100	68	100	100	70
71	122101	60	40	0	60	90	60	90	52	100	100	50
72	122034	64	52	100	96	100	72	100	76	90	90	60
73	122316	24	28	100	100	100	72	100	52	80	90	0
74	122305	76	88	100	92	100	92	100	80	100	100	50
75	132927	48	64	100	64	100	72	100	52	90	100	80
76	132910	48	60	100	96	100	76	100	96	90	100	70
77	132941	80	68	100	92	100	72	100	A	90	100	80
78	132922	84	60	100	96	100	76	100	84	100	90	70
79	132938	60	68	100	100	100	72	100	84	90	100	80
80	132912	68	76	100	92	100	100	100	80	100	90	80
81	132939	100	84	0	100	90	96	90	88	100	100	90
82	132917	96	84	100	100	100	72	100	80	90	90	80
83	132909	40	60	0	96	90	64	90	44	90	100	70
84	132924	0	0	100	A	100	A	100	96	80	80	0
85	132905	84	60	100	100	100	72	100	80	90	90	70
86	132916	72	72	0	96	90	76	90	80	100	100	50
87	132902	8	0	100	68	100	68	100	0	100	100	0
88	102325	68	72	100	88	100	64	100	72	90	90	50
89	122028	24	16	100	100	100	76	100	92	100	90	50
90	122046	0	0	100	48	100	0	100	66	0	100	0
91	122003	4	4	80	84	100	96	80	80	90	60	70
92	122113	24	4	50	92	40	96	90	92	40	50	0
93	122103	8	20	40	48	30	84	80	68	40	40	0
94	122310	76	40	40	96	70	92	90	96	50	40	50
95	122031	16	16	70	92	90	88	80	96	40	30	50
96	122115	60	64	30	68	20	60	70	84	30	50	80
97	122307	56	64	90	92	100	88	80	60	50	50	80
98	122016	84	76	80	96	100	92	90	84	100	90	70
99	122035	56	80	40	92	50	100	100	96	80	80	60
100	122302	88	52	80	84	100	84	90	84	70	70	70

101	122014	72	72	90	92	100	80	100	84	90	80	70
102	122053	68	52	80	96	90	92	90	88	90	90	50
103	122114	56	32	90	92	100	96	80	84	70	50	70
104	122315	64	60	90	100	100	96	100	92	100	80	70
105	122011	36	48	90	92	90	76	90	92	70	80	70
106	122013	84	80	90	96	90	96	90	96	90	100	80
107	122303	56	52	80	88	90	40	90	68	70	80	70
108	122120	68	68	80	92	90	88	90	96	80	80	70
109	122009	28	48	90	88	80	80	90	88	80	80	60
110	122042	96	24	90	96	90	96	90	88	80	90	60
111	122111	A	A	90	76	90	76	90	88	80	80	70
112	122043	24	8	90	92	80	92	90	84	60	80	60
113	122032	72	52	90	88	90	92	90	96	90	90	80
114	122027	8	28	90	92	90	80	80	96	80	80	60
115	122118	8	36	80	92	90	68	90	88	70	80	0
116	122018	14	18	80	72	90	68	90	88	70	80	60
117	122002	40	84	90	88	80	72	90	84	60	70	60
118	122311	42	32	0	92	90	76	90	92	90	100	60
119	132937	0	42	100	100	100	72	100	76	90	100	80
120	132940	92	64	100	100	100	76	100	92	100	100	70
121	132926	24	40	100	96	100	76	100	72	100	90	0
122	132925	20	4	0	48	90	44	90	60	90	80	50
123	132903	84	64	100	52	100	60	100	88	100	90	50
124	132931	72	36	100	92	100	40	100	88	100	100	0
125	132933	0	5	100	88	100	60	100	72	100	90	80
126	132918	24	0	0	96	90	72	90	96	100	90	50
127	132901	80	44	100	100	100	92	100	72	100	100	70
128	132920	56	44	100	84	100	76	100	88	100	100	60
129	132913	A	A	0	56	90	64	90	60	100	100	60
130	132935	68	32	100	84	100	60	100	92	100	90	50
131	132934	A	A	0	0	90	0	90	A	0	80	0
132	132906	48	24	70	80	80	60	80	80	50	60	50

Benchmark	**C405E2.1**	**C405E2.2**		**C405E2.3**		**C405E2.4**		**C405E2.5**			**AU**
	CO1	**CO2**	**A1**	**CO3**	**A2**	**CO4**	**A3**	**CO5**	**S1**	**Q1**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	54.61	44.68	75.18	85.82	80.85	85.82	90.07	80.85	78.72	78.01	53.9
Level Obtained	0	0	2	3	3	3	3	3	2	2	0

Survey:

Survey	C405E2.1	C405E2.2	C405E2.3	C405E2.4	C405E2.5
Obtained Percentage	95.69	95.35	95.04	95.30	93.68
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 – C405E2:

Course	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C405E2.1	0	-	-	-	0	0	0	3	0.6
C405E2.2	0	2	-	-	0.6	0	0.24	3	0.79
C405E2.3	3	3	-	-	3	0	1.2	3	1.56
C405E2.4	3	3	-	-	3	0	1.2	3	1.56
C405E2.5	3	-	2	2	2.8	0	1.12	3	1.5
C405E2									**1.2**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C405E2) Overall Attainment 1.2
	External Assessment (AU)	Internal Assessment (IA)	
C405E2.1	AU Exam	[1*Internal Test]	[0.8*CO + 0.2*Survey]
C405E2.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E2.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E2.4	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E2.5	AU Exam	[0.8*Internal Test + 0.1*Seminar + 0.1*Quiz]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C405E2 = \frac{C405E2.1 + C405E2.2 + C405E2.3 + C405E2.4 + C405E2.5}{5} = 1.2$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Power System Simulation Lab: C407
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C407.1			C407.2			C407.3			C407.4			C407.5			AU
		T	V	R	T	V	R	T	V	R	T	V	R	T	V	R	
1	122301		90	100		90	90		100	100		100	100	95	100	100	100
2	122108		90	100		90	90	92	80	90		80	100		80	90	100
3	122048		90	100		90	90		80	100	93	90	100		70	100	90
4	122308		80	100	89	90	90		90	100		90	100		70	90	90
5	122119	89	90	90		90	90		90	100		90	100		80	100	100
6	122122		90	90		100	90		80	90		80	90	88	90	100	90
7	122110		80	100		90	90		80	100	90	90	90		100	100	90
8	122039		90	90		90	90	90	100	100		100	100		100	90	90
9	122107		90	90	90	90	90		100	100		90	90		100	100	100
10	122037	89	100	100		100	100		80	100		100	100		90	90	100
11	122026		90	90		90	90		100	100	98	80	100		100	100	100
12	122019		90	90		90	90		90	100		90	100	92	90	90	100
13	122309		80	100	85	90	90		80	100		80	100		100	100	80
14	122012		90	90		90	90	98	70	100		100	100		70	100	100
15	122049		90	90		90	100		80	100	92	80	100		100	100	90
16	122007		90	90		90	90		90	100		80	100	96	80	90	100
17	122017		90	90		90	90	90	90	100		80	100		100	90	90
18	122045		90	90	92	90	90		90	100		100	100		80	100	100
19	122030		100	90		100	90		100	90		100	90	93	100	100	100
20	122106		90	90		90	90		100	100	88	100	100		100	90	90
21	122052		80	90		90	90		100	100	90	100	100		100	90	90
22	122112		90	100		100	90	88	100	100		100	100		90	90	90
23	122005		90	100	98	90	90		90	100		100	100		90	100	100
24	122029		90	100		100	100	90	100	90		100	100		90	100	100
25	122025	92	90	90		90	100		90	100		90	100		100	100	100
26	122314		100	90	90	90	100		100	100		90	100		90	90	90
27	122051		90	100		90	90	95	80	100		70	100		90	100	90
28	122047		90	90		100	90		100	100	85	100	100		100	90	80
29	122306		100	90		90	100		90	100		90	90	80	100	90	90
30	122036		90	90		90	90		100	90	95	80	90		80	90	100
31	132923		80	80	92	90	90		90	90		90	90		90	90	90
32	132932	91	80	80		90	90		90	90		90	90		90	90	90
33	132904		90	90		90	90		90	90	94	90	90		90	90	100
34	132921		90	90	96	90	80		90	90		90	90		90	90	100
35	132928		90	90		90	90	95	90	90		90	90		90	90	100
36	132908	97	90	90		90	90		90	90		90	90		90	90	100
37	132907		90	90		90	90		90	90		90	90	94	90	90	100
38	132936		90	90		90	80	96	90	90		90	90		90	90	100
39	132915		90	90		90	90		90	90	93	90	90		90	90	100
40	132929		80	90		90	90		90	90		90	90	93	80	90	100
41	132911		90	90	98	90	90		90	90		90	90		90	90	100
42	132914	94	90	90		90	90		90	90		90	90		90	90	100
43	132919		90	90		90	90		90	90	94	90	90		90	90	100
44	132930		90	90		90	90		90	90		90	90	93	90	90	100
45	122116		90	90		90	90		90	90	95	90	90		90	90	100
46	122001		90	90	96	90	90		90	90		90	90		90	90	100
47	122041		90	90		90	90		90	90	96	90	90		90	90	100
48	122104	95	90	90		90	90		90	90		90	90		90	90	100

49	122040		90	90	90	90	80		90	90		90	90		80	90	90
50	122117	96	90	90		90	90		90	90		90	90		90	90	100
51	122102		90	90		90	90		90	90	96	90	90		90	90	100
52	122109		90	90		90	60	98	90	90		90	90		90	90	100
53	122050		90	90		90	80		90	90		90	90	92	90	90	90
54	122054		90	90	96	90	90		90	90		90	90		90	90	100
55	122024	93	80	90		80	90		90	90		90	80		90	90	90
56	122010		90	90		90	90	91	90	90		90	90		90	90	90
57	122004		90	90		90	90	91	90	90		90	90		90	90	100
58	122015		90	90		90	90		90	90		90	90	96	90	90	100
59	122313		90	90	94	90	90		90	90		90	90		90	90	100
60	122023	93	90	90		90	90		90	90		90	90		90	90	100
61	122033		80	90	78	60	90		30	90		60	90		80	90	90
62	122312	96	90	90		70	90		30	90		50	90		30	90	100
63	122021		80	90		70	90		70	90		80	90	98	60	90	100
64	122022		0	90	70	40	50		0	90		40	90		20	90	90
65	122304		50	90		90	50	95	10	90		70	90		70	90	100
66	122008		40	90		90	50	78	80	90		70	90		90	90	90
67	122044		50	90	78	40	90		60	90		60	90		50	90	90
68	122006		70	90		70	90	85	70	90		70	90		70	90	90
69	122038		80	90		80	90		80	90	98	60	90		70	90	100
70	122105		80	90		90	90		70	90		80	90	90	90	90	90
71	122101	85	60	90		70	90		40	90		70	90		30	90	90
72	122034		70	90		60	90	90	70	90		80	90		80	90	90
73	122316		60	90		30	90	83	20	90		0	90		20	90	100
74	122305		70	90	95	60	90		30	90		70	90		50	90	100
75	132927		60	90		70	90		20	90		50	80	96	70	90	100
76	132910		50	90		40	90		10	90		50	80	82	60	90	90
77	132941	98	70	90		70	90		40	90		90	90		40	90	100
78	132922		80	90	97	30	90		40	90		60	90		60	90	100
79	132938	93	20	90		50	90		20	90		60	90		30	90	100
80	132912		70	90		70	90		60	90		70	90	98	60	90	100
81	132939		90	90		70	90		70	90		60	90	98	40	90	100
82	132917		40	90		70	90	90	70	90		80	90		40	90	100
83	132909	86	30	90		10	90		40	90		20	90		30	90	90
84	132924		60	90		50	50		30	90		30	90	88	60	90	90
85	132905		80	90		80	90	88	10	90		40	90		40	90	90
86	132916		60	90		60	90	98	70	90		60	90		10	90	100
87	132902		50	90	75	40	0		50	90		40	90		10	90	90
88	102325		60	90		70	90		70	90	92	70	90		50	90	90
89	122028		70	90		90	50	85	70	90		60	90		40	90	100
90	122046	70	0	40		10	30		0	60		10	30		10	30	70
91	122003		80	90		90	90	88	80	100		100	90		70	90	90
92	122113		90	90	90	100	90		90	100		90	100		100	90	90
93	122103		80	90	85	90	90		100	100		100	100		70	90	70
94	122310		90	90		100	90	90	100	100		100	100		100	100	90
95	122031		90	90		90	90		100	100	88	90	100		90	100	90
96	122115		90	90		90	100		100	100		80	90	90	90	100	90
97	122307		90	90	90	80	100		100	100		90	90		80	100	90
98	122016		80	90		70	90		90	100		100	90	96	70	100	100
99	122035		90	90		90	90	92	80	100		80	90		90	100	90
100	122302		80	90		80	100	95	100	100		70	100		80	90	90

101	122014		70	90	98	90	90		80	100		100	100		80	100	100
102	122053		90	90		90	100	96	70	100		100	100		70	100	100
103	122114		80	90		100	90		90	100	90	100	100		90	90	90
104	122315		80	90		90	100		100	90		90	100	90	70	100	90
105	122011		90	90		90	90	92	90	90		80	90		90	90	90
106	122013		90	90		90	90		90	90		90	90	98	90	90	100
107	122303		90	90		90	90		90	90	93	90	90		90	90	100
108	122120		90	90		90	90		90	90	93	90	90		90	90	90
109	122009	93	90	90		90	90		90	90		80	90		90	90	90
110	122042		90	90	95	90	90		90	90		90	90		90	90	100
111	122111	40	0	0		0	0		20	0		0	0		0	0	0
112	122043		80	80		80	90	94	90	90		90	80		90	90	90
113	122032		90	90	92	90	90		80	90		90	90		90	80	90
114	122027		90	90		90	80		90	90		90	90	96	80	90	100
115	122118	91	90	90		90	90		90	90		90	90		90	90	90
116	122018		90	90		90	90	92	90	90		90	90		90	90	90
117	122002		90	90		90	90		90	90	93	90	90		90	90	90
118	122311	90	40	70		50	60		70	90		80	50		80	90	80
119	132937		50	90		60	90		50	90		40	90	90	20	90	100
120	132940		60	90		50	90	85	40	90		30	90		50	90	90
121	132926		60	90	98	60	90		30	90		50	90		90	90	100
122	132925		60	90	81	60	90		40	90		60	90		80	90	80
123	132903	80	60	90		50	90		80	90		70	90		60	90	80
124	132931		30	90		70	90		60	90	82	60	90		40	90	90
125	132933		50	90		90	50		80	90		50	90	88	40	90	90
126	132918	82	90	90		40	50		20	90		50	80		70	90	80
127	132901		60	90		60	90		60	90	82	70	90		60	90	70
128	132920		90	90		40	90	89	50	90		40	90		30	90	100
129	132913	92	50	90		50	90		40	90		70	90		60	90	100
130	132935	89	60	90		60	90		40	90		70	90		70	90	90
131	132934		40	90		30	90	90	60	90		70	90		50	90	100

	CO407.1			**C407.2**			**C407.3**			**C407.4**			**C407.5**			**AU**
	T	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	**T**	**V**	**R**	
Benchmark	91.67	78	97.71	85.19	79.39	90.84	96.88	76.34	98.47	100	79.39	97.71	100	75.57	98.47	99.24
Level	**3**	**2**	**3**	**3**	**2**	**3**	**3**	**2**	**3**	**3**	**2**	**3**	**3**	**2**	**3**	**3**
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU																

Survey:

Survey	C407.1	C407.2	C407.3	C407.4	C407.5
Obtained Percentage	96.63	96.41	95.78	95.85	96.41
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	Internal Test	VIVA	Record	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C407.1	3	2	3	2.8	3	2.92	3	2.94
C407.2	3	2	3	2.8	3	2.92	3	2.94
C407.3	3	2	3	2.8	3	2.92	3	2.94
C407.4	3	2	3	2.8	3	2.92	3	2.94
C407.5	3	2	3	2.8	3	2.92	3	2.94
C407								**2.94**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C407) Overall Attainment 2.94
	External Assessment (AU)	Internal Assessment (IA)	
C407.1	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]
C407.2	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]
C407.3	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]
C407.4	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]
C407.5	AU Exam	[0.6*Internal Test + 0.2*VIVA + 0.2*Record]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C407 = \frac{C407.1 + C407.2 + C407.3 + C407.4 + C407.5}{5} = 2.94$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Comprehension: C408
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C408.1		C408.2		C408.3		C408.4		C408.5		AU
		T	V	T	V	T	V	T	V	T	V	
1	122301	93	90	93	90	93	90	93	90	93	90	100
2	122108	94	90	94	90	94	90	94	90	94	90	100
3	122048	91	90	91	90	91	90	91	90	91	90	100
4	122308	91	90	91	90	91	90	91	90	91	90	100
5	122119	91	90	91	90	91	90	91	90	91	90	100
6	122122	92	90	92	90	92	90	92	90	92	90	100
7	122110	91	90	91	90	91	90	91	90	91	90	100
8	122039	95	90	95	90	95	90	95	90	95	90	100
9	122107	94	90	94	90	94	90	94	90	94	90	100
10	122037	93	90	93	90	93	90	93	90	93	90	100
11	122026	96	90	96	90	96	90	96	90	96	90	100
12	122019	94	90	94	90	94	90	94	90	94	90	100
13	122309	94	90	94	90	94	90	94	90	94	90	100
14	122012	95	90	95	90	95	90	95	90	95	90	100
15	122049	96	90	96	90	96	90	96	90	96	90	100
16	122007	97	90	97	90	97	90	97	90	97	90	100
17	122017	97	90	97	90	97	90	97	90	97	90	100
18	122045	95	90	95	90	95	90	95	90	95	90	100
19	122030	91	90	91	90	91	90	91	90	91	90	100
20	122106	94	90	94	90	94	90	94	90	94	90	100
21	122052	95	90	95	90	95	90	95	90	95	90	100
22	122112	93	90	93	90	93	90	93	90	93	90	100
23	122005	94	90	94	90	94	90	94	90	94	90	100
24	122029	91	90	91	90	91	90	91	90	91	90	100
25	122025	91	90	91	90	91	90	91	90	91	90	100
26	122314	92	90	92	90	92	90	92	90	92	90	100
27	122051	94	90	94	90	94	90	94	90	94	90	100
28	122047	92	90	92	90	92	90	92	90	92	90	100
29	122306	91	90	91	90	91	90	91	90	91	90	100
30	122036	94	90	94	90	94	90	94	90	94	90	100
31	132923	91	90	91	90	91	90	91	90	91	90	100
32	132932	83	90	83	90	83	90	83	90	83	90	90
33	132904	94	90	94	90	94	90	94	90	94	90	100
34	132921	97	90	97	90	97	90	97	90	97	90	100
35	132928	96	90	96	90	96	90	96	90	96	90	100
36	132908	95	90	95	90	95	90	95	90	95	90	100
37	132907	94	90	94	90	94	90	94	90	94	90	100
38	132936	93	90	93	90	93	90	93	90	93	90	100
39	132915	92	90	92	90	92	90	92	90	92	90	100
40	132929	86	90	86	90	86	90	86	90	86	90	100
41	132911	82	90	82	90	82	90	82	90	82	90	100
42	132914	97	90	97	90	97	90	97	90	97	90	100
43	132919	98	90	98	90	98	90	98	90	98	90	100
44	132930	93	90	93	90	93	90	93	90	93	90	100
45	122116	94	90	94	90	94	90	94	90	94	90	100
46	122001	96	90	96	90	96	90	96	90	96	90	100
47	122041	95	90	95	90	95	90	95	90	95	90	100

48	122104	90	90	90	90	90	90	90	90	90	90	100
49	122040	89	90	89	90	89	90	89	90	89	90	100
50	122117	87	90	87	90	87	90	87	90	87	90	100
51	122102	88	90	88	90	88	90	88	90	88	90	100
52	122109	96	90	96	90	96	90	96	90	96	90	100
53	122050	85	90	85	90	85	90	85	90	85	90	100
54	122054	90	90	90	90	90	90	90	90	90	90	100
55	122024	91	90	91	90	91	90	91	90	91	90	100
56	122010	92	90	92	90	92	90	92	90	92	90	100
57	122004	93	90	93	90	93	90	93	90	93	90	100
58	122015	97	90	97	90	97	90	97	90	97	90	100
59	122313	86	90	86	90	86	90	86	90	86	90	100
60	122023	87	90	87	90	87	90	87	90	87	90	100
61	122033	96	70	96	70	96	70	96	70	96	70	100
62	122312	96	90	96	90	96	90	96	90	96	90	100
63	122021	95	90	95	90	95	90	95	90	95	90	100
64	122022	96	90	96	90	96	90	96	90	96	90	100
65	122304	96	80	96	80	96	80	96	80	96	80	100
66	122008	96	80	96	80	96	80	96	80	96	80	100
67	122044	94	80	94	80	94	80	94	80	94	80	100
68	122006	98	80	98	80	98	80	98	80	98	80	100
69	122038	97	80	97	80	97	80	97	80	97	80	100
70	122105	92	80	92	80	92	80	92	80	92	80	100
71	122101	93	80	93	80	93	80	93	80	93	80	100
72	122034	91	70	91	70	91	70	91	70	91	70	100
73	122316	99	70	99	70	99	70	99	70	99	70	100
74	122305	98	80	98	80	98	80	98	80	98	80	100
75	132927	97	70	97	70	97	70	97	70	97	70	100
76	132910	99	70	99	70	99	70	99	70	99	70	100
77	132941	98	80	98	80	98	80	98	80	98	80	100
78	132922	97	80	97	80	97	80	97	80	97	80	100
79	132938	98	90	98	90	98	90	98	90	98	90	100
80	132912	94	90	94	90	94	90	94	90	94	90	100
81	132939	97	90	97	90	97	90	97	90	97	90	100
82	132917	96	90	96	90	96	90	96	90	96	90	100
83	132909	95	90	95	90	95	90	95	90	95	90	100
84	132924	94	90	94	90	94	90	94	90	94	90	100
85	132905	95	90	95	90	95	90	95	90	95	90	100
86	132916	96	90	96	90	96	90	96	90	96	90	100
87	132902	97	90	97	90	97	90	97	90	97	90	100
88	102325	98	90	98	90	98	90	98	90	98	90	100
89	122028	99	90	99	90	99	90	99	90	99	90	100
90	122046	94	90	94	90	94	90	94	90	94	90	100
91	122003	92	90	92	90	92	90	92	90	92	90	100
92	122113	91	90	91	90	91	90	91	90	91	90	100
93	122103	90	90	90	90	90	90	90	90	90	90	90
94	122310	91	90	91	90	91	90	91	90	91	90	100
95	122031	92	90	92	90	92	90	92	90	92	90	100
96	122115	93	90	93	90	93	90	93	90	93	90	100
97	122307	94	90	94	90	94	90	94	90	94	90	100
98	122016	95	90	95	90	95	90	95	90	95	90	100
99	122035	97	90	97	90	97	90	97	90	97	90	100

100	122302	96	90	96	90	96	90	96	90	96	90	100
101	122014	97	90	97	90	97	90	97	90	97	90	100
102	122053	95	90	95	90	95	90	95	90	95	90	100
103	122114	96	90	96	90	96	90	96	90	96	90	100
104	122315	95	90	95	90	95	90	95	90	95	90	100
105	122011	88	90	88	90	88	90	88	90	88	90	100
106	122013	87	90	87	90	87	90	87	90	87	90	100
107	122303	82	90	82	90	82	90	82	90	82	90	90
108	122120	81	90	81	90	81	90	81	90	81	90	100
109	122009	90	90	90	90	90	90	90	90	90	90	100
110	122042	96	90	96	90	96	90	96	90	96	90	100
111	122111		90		90		90		90		90	100
112	122043	89	90	89	90	89	90	89	90	89	90	100
113	122032	88	90	88	90	88	90	88	90	88	90	100
114	122027	96	90	96	90	96	90	96	90	96	90	100
115	122118	89	90	89	90	89	90	89	90	89	90	100
116	122018	92	90	92	90	92	90	92	90	92	90	100
117	122002	A	90	A	90	A	90	A	90	A	90	100
118	122311	88	90	88	90	88	90	88	90	88	90	100
119	132937	96	90	96	90	96	90	96	90	96	90	100
120	132940	98	90	98	90	98	90	98	90	98	90	100
121	132926	99	90	99	90	99	90	99	90	99	90	100
122	132925	91	90	91	90	91	90	91	90	91	90	100
123	132903	98	90	98	90	98	90	98	90	98	90	100
124	132931	95	90	95	90	95	90	95	90	95	90	100
125	132933	96	90	96	90	96	90	96	90	96	90	100
126	132918	98	90	98	90	98	90	98	90	98	90	100
127	132901	99	90	99	90	99	90	99	90	99	90	100
128	132920	98	90	98	90	98	90	98	90	98	90	100
129	132913	95	90	95	90	95	90	95	90	95	90	100
130	132935	96	90	96	90	96	90	96	90	96	90	100
131	132934	98	90	98	90	98	90	98	90	98	90	100

	C408.1		**C408.2**		**C408.3**		**C408.4**		**C408.5**		
Benchmark	**T**	**V**	**T**	**V**	**T**	**V**	**T**	**V**	**T**	**V**	**AU**
	100	100	100	100	100	100	100	100	100	100	100
Level	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

Survey:

Survey	C408.1	C408.2	C408.3	C408.4	C408.5
Obtained Percentage	98.47	97.01	96.53	97.77	96.81
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 – C408:

Course	Internal Test	VIVA	Record	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C408.1	3	3	-	3	3	3	3	3
C408.2	3	3	-	3	3	3	3	3
C408.3	3	3	-	3	3	3	3	3
C408.4	3	3	-	3	3	3	3	3
C408.5	3	3	-	3	3	3	3	3
C408								**3**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C408) Overall Attainment 3
	External Assessment (AU)	Internal Assessment (IA)	
C408.1	AU Exam	[0.7*Internal Test + 0.3*VIVA]	[0.8*CO + 0.2*Survey]
C408.2	AU Exam	[0.7*Internal Test + 0.3*VIVA]	[0.8*CO + 0.2*Survey]
C408.3	AU Exam	[0.7*Internal Test + 0.3*VIVA]	[0.8*CO + 0.2*Survey]
C408.4	AU Exam	[0.7*Internal Test + 0.3*VIVA]	[0.8*CO + 0.2*Survey]
C408.5	AU Exam	[0.7*Internal Test + 0.3*VIVA]	[0.8*CO + 0.2*Survey]

Overall Attainment:

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

KLNCE/B.E - EEE – 2012-2016 Batch –
Course: Electrical Generation, Utilization and Conservation: C409
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C409.1	C409.2		C409.3		C409.4		C409.5			AU
		CO1	CO2	A1	CO3	A2	CO4	S1	CO5	A3	Q1	
1	122301	96	88	90	96	90	96	90	88	90	90	80
2	122108	48	52	90	76	90	92	90	96	90	90	70
3	122048	48	28	90	88	90	88	80	48	90	80	70
4	122308	24	64	90	88	80	92	80	76	90	90	70
5	122119	44	16	90	64	80	84	80	16	90	80	50
6	122122	32	68	80	84	80	84	80	56	90	80	60
7	122110	52	28	90	88	90	80	80	80	90	80	60
8	122039	80	88	90	96	90	92	90	92	90	90	80
9	122107	80	80	90	88	90	80	90	96	90	90	80
10	122037	68	92	90	96	90	96	90	88	80	90	80
11	122026	96	84	90	96	90	96	80	96	90	90	90
12	122019	60	72	90	88	90	96	70	80	90	80	80
13	122309	48	72	80	80	90	92	90	68	90	90	60
14	122012	84	92	90	96	90	96	80	92	90	80	70
15	122049	80	84	80	88	80	88	90	76	70	80	50
16	122007	84	72	90	68	90	92	80	80	90	80	80
17	122017	32	44	80	92	90	72	90	52	90	90	60
18	122045	44	44	90	96	90	92	90	68	90	90	60
19	122030	96	68	90	96	90	96	80	72	90	70	70
20	122106	52	48	90	88	70	96	80	48	90	70	50
21	122052	12	20	80	88	90	74	80	74	90	70	70
22	122112	12	48	80	76	90	84	80	48	90	80	60
23	122005	88	80	90	96	90	96	90	96	90	90	70
24	122029	56	48	90	88	90	76	90	74	90	90	80
25	122025	48	64	90	96	90	92	90	76	90	90	60
26	122314	40	64	90	84	90	88	80	64	90	70	50
27	122051	64	52	90	84	90	96	90	80	90	80	60
28	122047	20	48	80	0	80	68	80	44	90	70	50
29	122306	64	76	80	52	90	68	80	52	90	70	0
30	122036	76	88	90	96	90	92	90	88	80	90	80
31	132923	16	48	90	84	80	86	80	88	80	90	50
32	132932	60	72	90	72	90	96	80	88	70	90	50
33	132904	64	76	90	96	90	96	90	96	80	80	70
34	132921	80	72	90	88	90	76	90	84	90	90	70
35	132928	68	96	90	92	90	96	90	92	90	90	70
36	132908	88	92	90	96	90	96	80	96	90	90	70
37	132907	68	84	90	96	90	80	90	80	80	80	70
38	132936	88	84	90	96	90	90	90	94	90	90	80
39	132915	60	72	90	80	90	88	90	80	90	90	70
40	132929	32	68	90	88	80	88	90	88	80	90	60
41	132911	96	96	90	96	90	96	80	96	90	80	90
42	132914	76	80	90	80	90	66	90	62	90	80	70
43	132919	76	92	90	92	90	94	70	94	80	80	80
44	132930	24	84	90	80	90	80	90	80	90	90	50
45	122116	68	72	90	92	90	94	80	90	90	90	70
46	122001	96	88	90	88	90	82	80	86	90	70	70

47	122041	96	80	90	A	90	96	90	96	80	90	70
48	122104	76	84	90	96	80	96	90	96	80	90	90
49	122040	44	24	90	80	90	70	90	66	90	80	70
50	122117	88	92	80	88	90	96	90	96	90	80	80
51	122102	88	84	90	96	90	96	90	96	90	90	80
52	122109	96	86	90	96	90	96	80	96	90	90	70
53	122050	52	16	90	60	90	78	90	74	80	90	0
54	122054	96	72	90	96	90	96	90	96	80	90	80
55	122024	60	64	90	96	80	78	80	74	80	80	70
56	122010	60	52	90	68	90	70	90	66	90	70	50
57	122004	76	52	80	92	90	70	90	66	90	90	50
58	122015	92	96	90	96	70	96	90	96	80	60	80
59	122313	88	84	90	96	90	96	80	96	90	90	70
60	122023	76	56	90	96	60	84	80	80	90	90	60
61	122033	86	82	90	80	80	42	80	38	90	90	70
62	122312	82	78	90	80	90	41	90	39	90	80	70
63	122021	90	94	90	88	90	67	90	65	90	80	80
64	122022	80	76	90	60	90	52	90	48	80	90	70
65	122304	87	89	90	88	90	74	90	78	90	90	70
66	122008	85	87	90	88	90	50	90	54	80	90	50
67	122044	87	89	90	84	80	69	80	67	90	80	60
68	122006	83	85	90	88	80	50	80	54	90	70	50
69	122038	A	A	90	88	90	45	90	43	80	90	70
70	122105	90	94	90	88	90	A	90	A	90	90	50
71	122101	61	59	90	88	80	56	80	54	80	80	80
72	122034	88	92	90	88	70	56	70	60	90	90	50
73	122316	70	66	90	88	90	51	90	53	80	90	50
74	122305	90	94	90	88	90	61	90	63	90	90	80
75	132927	86	90	90	80	90	62	90	66	90	90	60
76	132910	A	A	90	88	80	68	80	52	80	80	80
77	132941	86	90	90	88	80	61	80	59	90	80	50
78	132922	90	94	90	88	90	52	90	52	80	90	70
79	132938	89	91	90	88	80	78	80	62	90	90	50
80	132912	93	95	90	88	80	71	80	73	90	90	50
81	132939	90	78	90	88	80	67	80	65	90	90	80
82	132917	89	87	90	76	80	68	80	64	90	90	70
83	132909	A	A	90	80	70	32	90	34	90	80	70
84	132924	86	90	90	80	80	70	90	66	80	70	70
85	132905	91	89	90	88	90	69	80	67	80	70	70
86	132916	86	90	90	80	90	63	80	65	90	80	70
87	132902	78	74	90	32	80	A	90	A	70	90	50
88	102325	86	90	90	88	90	72	70	76	90	90	70
89	122028	90	94	90	80	70	88	90	72	80	90	70
90	122046	47	49	80	36	80	45	90	43	90	90	60
91	122003	28	72	90	80	90	88	90	80	90	80	80
92	122113	48	68	80	80	80	88	80	80	90	70	80
93	122103	4	52	80	36	90	72	80	64	70	70	50
94	122310	A	A	80	60	90	92	90	76	90	80	60
95	122031	20	64	80	72	80	92	80	88	90	80	80
96	122115	50	58	90	88	90	92	90	88	90	90	80
97	122307	40	72	80	88	90	88	80	80	70	90	70
98	122016	88	92	90	84	80	96	90	96	90	90	70

99	122035	16	20	90	84	90	92	90	64	90	90	80
100	122302	40	60	90	92	90	96	90	96	80	90	60
101	122014	72	96	90	96	90	92	90	84	80	90	80
102	122053	40	60	90	92	90	96	80	92	90	70	70
103	122114	76	68	90	80	80	92	80	84	90	80	80
104	122315	48	76	90	88	90	76	90	68	80	80	70
105	122011	56	72	90	80	80	96	90	96	70	70	60
106	122013	96	96	90	96	80	96	90	96	90	90	80
107	122303	48	84	90	76	70	96	80	96	90	90	70
108	122120	52	68	90	88	90	88	90	88	80	80	80
109	122009	48	72	90	80	90	88	90	88	80	80	50
110	122042	64	84	90	96	90	96	90	96	80	80	70
111	122111	A	A	80	68	90	5	90	3	80	90	A
112	122043	64	68	90	76	60	88	80	84	90	90	50
113	122032	32	48	80	88	90	96	80	96	90	90	50
114	122027	86	86	90	96	90	96	90	96	70	70	50
115	122118	52	76	80	68	80	96	90	96	90	90	60
116	122018	4	8	80	84	70	70	80	66	90	90	0
117	122002	40	28	90	96	90	90	90	86	90	90	60
118	122311	52	28	80	96	90	96	90	96	60	60	50
119	132937	A	A	90	80	90	56	80	60	80	90	70
120	132940	90	87	90	84	90	51	90	53	80	90	60
121	132926	91	93	90	88	80	91	90	93	80	90	80
122	132925	76	72	90	88	70	66	90	62	70	80	50
123	132903	89	91	90	68	70	61	90	59	90	90	60
124	132931	90	86	90	80	80	A	90	A	90	80	50
125	132933	90	94	90	80	80	34	90	38	80	90	0
126	132918	91	93	90	88	90	37	80	41	90	90	50
127	132901	91	89	90	80	70	34	90	38	80	90	70
128	132920	67	65	90	84	80	80	90	72	70	90	70
129	132913	90	94	90	80	90	52	80	60	90	90	80
130	132935	80	84	90	88	90	31	80	33	80	90	70
131	132934	81	87	90	100	90	67	90	69	80	90	0

Benchmark	**C409.1**	**C409.2**		**C409.3**		**C409.4**		**C409.5**			**AU**
	CO1	**CO2**	**A1**	**CO3**	**A2**	**CO4**	**S1**	**CO5**	**A3**	**Q1**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	67.2	78.4	100	96.15	90.84	84.38	100	78.13	92.37	98.47	59.23
Level Obtained	1	2	3	3	3	3	3	2	3	3	0

Survey:

Survey	C409.1	C409.2	C409.3	C409.4	C409.5
Obtained Percentage	98.70	98.33	98.5	98.50	97.37
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	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C409.1	1	-	-	-	1	0	0.4	3	0.92
C409.2	2	3	-	-	2.3	0	0.92	3	1.34
C409.3	3	3	-	-	3	0	1.2	3	1.56
C409.4	3	-	3	-	3	0	1.2	3	1.56
C409.5	2	3	-	3	2.3	0	0.92	3	1.34
C409									**1.34**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C409) Overall Attainment 1.34
	External Assessment (AU)	Internal Assessment (IA)	
C409.1	AU Exam	[1*Internal Test]	[0.8*CO + 0.2*Survey]
C409.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C409.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C409.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]	[0.8*CO + 0.2*Survey]
C409.5	AU Exam	[0.7*Internal Test + 0.2*Assignment + 0.1*Quiz]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C409 = \frac{C409.1 + C409.2 + C409.3 + C409.4 + C409.5}{5} = 1.34$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Power Quality: C405E4
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C405E4.1		C405E4.2		C405E4.3		C405E4.4		C405E4.5		AU
		CO1	Q1	CO2	A1	CO3	A2	CO4	A3	CO5	S1	
1	122301	93	90	66	90	84	90	86	90	90	80	90
2	122108	46	90	70	90	84	90	70	90	66	80	80
3	122048	92	90	84	90	80	90	72	90	68	90	90
4	122308	83	80	45	80	72	90	58	80	62	90	70
5	122119	92	90	68	90	64	90	62	80	58	80	80
6	122122	93	90	79	90	76	90	60	90	72	80	80
7	122110	84	90	56	80	80	90	68	90	84	90	80
8	122039	92	90	84	90	80	90	88	80	92	80	90
9	122107	96	90	88	90	80	90	90	90	86	90	80
10	122037	90	90	74	90	92	90	90	90	82	80	80
11	122026	94	90	82	90	88	90	84	90	92	90	80
12	122019	92	90	84	90	92	90	66	80	62	90	90
13	122309	80	80	56	80	64	90	58	80	46	80	80
14	122012	92	90	84	90	80	90	86	90	82	90	80
15	122049	92	90	84	90	88	90	84	90	84	90	80
16	122007	94	80	82	80	88	90	84	90	84	80	80
17	122017	86	80	66	90	84	90	82	80	94	80	70
18	122045	92	A	78	90	84	90	88	80	56	90	80
19	122030	90	90	62	80	72	90	86	90	82	90	90
20	122106	92	80	72	80	76	90	82	90	82	80	60
21	122052	90	A	66	90	88	90	84	90	92	90	80
22	122112	80	80	48	90	48	90	58	80	58	80	70
23	122005	90	90	86	80	72	90	76	90	92	80	80
24	122029	80	90	76	90	60	90	56	90	52	80	90
25	122025	81	80	71	70	80	90	76	90	44	90	80
26	122314	62	A	74	90	40	90	41	80	59	80	70
27	122051	96	90	80	90	84	90	86	90	90	80	70
28	122047	80	A	68	90	A	90	74	80	70	80	50
29	122306	60	80	44	80	60	90	56	80	24	90	70
30	122036	92	90	84	90	88	90	84	90	88	90	70
31	132923	40	80	40	90	44	100	36	100	36	85	70
32	132932	76	80	60	90	68	100	76	90	72	90	60
33	132904	80	A	72	85	96	90	88	100	92	100	90
34	132921	92	80	64	100	A	90	85	90	95	90	70
35	132928	84	80	84	90	56	100	80	100	92	90	70
36	132908	84	90	96	85	92	90	92	80	88	100	90
37	132907	72	80	44	90	68	100	80	100	65	90	70
38	132936	96	100	80	100	A	100	60	100	88	90	70
39	132915	92	A	64	90	68	90	56	90	88	85	80
40	132929	80	100	20	85	68	90	88	90	48	90	80
41	132911	100	100	100	100	72	100	96	100	96	85	90
42	132914	72	80	88	90	68	100	36	90	76	90	70
43	132919	88	A	88	100	80	100	88	100	84	90	80
44	132930	84	80	32	85	56	90	40	80	68	80	80
45	122116	76	A	84	100	96	100	88	100	76	100	80
46	122001	68	90	100	90	76	100	88	90	80	85	90
47	122041	100	100	98	100	A	100	92	100	96	85	80

48	122104	80	90	88	90	84	90	92	90	96	90	80
49	122040	68	80	32	100	72	100	60	100	76	85	70
50	122117	96	100	100	100	92	100	68	100	96	100	80
51	122102	100	100	96	100	92	100	100	90	96	100	100
52	122109	100	100	100	100	88	100	96	100	88	100	90
53	122050	80	A	76	100	44	100	48	100	64	90	70
54	122054	100	90	84	100	76	100	76	90	70	100	80
55	122024	96	90	92	90	96	90	84	100	44	80	70
56	122010	A	80	A	85	68	85	24	85	56	90	50
57	122004	A	80	A	85	72	90	64	90	64	100	50
58	122015	88	90	96	85	80	85	88	85	92	100	70
59	122313	92	90	64	90	96	90	96	100	96	85	90
60	122023	48	90	88	90	68	90	32	100	72	85	70
61	122033	64	90	48	90	68	100	36	100	40	85	70
62	122312	64	80	60	85	60	100	44	100	72	90	80
63	122021	80	100	100	90	88	100	88	90	68	90	80
64	122022	56	80	48	100	32	80	68	85	24	85	70
65	122304	80	100	92	100	96	100	92	90	68	100	70
66	122008	42	70	28	85	52	80	44	90	36	90	70
67	122044	56	70	36	85	76	90	64	100	56	85	70
68	122006	84	80	44	100	76	100	60	90	64	90	70
69	122038	A	70	A	85	68	80	56	85	68	90	70
70	122105	96	100	76	90	84	90	A	90	A	90	80
71	122101	72	80	28	100	64	100	64	90	72	85	70
72	122034	80	80	40	100	64	100	76	100	48	90	70
73	122316	44	80	48	100	44	90	44	100	76	90	50
74	122305	68	90	88	90	80	100	80	100	84	100	70
75	132927	76	80	60	90	68	100	88	100	64	100	70
76	132910	A	70	A	85	68	100	72	90	60	90	70
77	132941	84	90	68	100	84	100	56	100	88	90	60
78	132922	84	90	80	90	88	90	80	90	96	100	80
79	132938	84	100	92	100	84	90	64	100	80	90	80
80	132912	96	100	92	90	84	90	84	90	80	100	80
81	132939	96	100	92	100	96	100	72	90	96	100	80
82	132917	88	100	80	90	84	100	52	90	88	90	70
83	132909	92	100	60	100	72	90	32	90	62	85	70
84	132924	48	80	92	80	68	90	80	100	48	95	70
85	132905	92	100	72	90	88	90	80	100	84	90	70
86	132916	100	A	100	100	84	100	92	90	100	100	70
87	132902	80	90	44	100	48	90	A	100	A	85	70
88	102325	96	90	64	100	72	100	72	100	92	90	80
89	122028	64	90	64	100	76	100	72	100	64	85	80
90	122046	96	90	72	80	A	90	20	100	28	85	50
91	122003	91	90	85	70	84	90	59	90	65	A	70
92	122113	80	90	64	90	60	90	61	80	59	80	70
93	122103	38	80	50	80	80	90	79	90	41	90	50
94	122310	90	80	66	90	88	90	84	80	92	90	80
95	122031	90	80	86	90	92	90	89	80	87	80	70
96	122115	82	90	78	80	76	90	56	90	60	90	70
97	122307	92	90	76	80	96	90	94	80	86	90	80
98	122016	92	90	80	90	84	90	82	80	82	80	90
99	122035	94	90	82	70	88	90	86	90	82	90	80

100	122302	94	90	82	90	92	90	90	80	70	90	80
101	122014	92	90	76	90	84	90	88	90	88	80	80
102	122053	95	80	89	60	80	90	82	80	94	90	80
103	122114	92	90	88	90	84	90	86	90	90	90	70
104	122315	92	80	80	90	80	90	58	80	70	80	70
105	122011	84	90	88	100	80	100	68	100	32	85	70
106	122013	100	90	94	90	76	90	96	100	88	85	80
107	122303	84	100	96	85	76	90	92	90	40	100	70
108	122120	72	90	88	85	96	85	100	80	88	90	80
109	122009	84	90	80	100	72	90	84	100	48	85	70
110	122042	84	100	84	80	68	100	88	80	76	90	70
111	122111	A	70	A	70	36	70	20	70	16	80	0
112	122043	72	80	84	100	68	90	56	100	76	85	80
113	122032	80	100	60	90	72	100	100	90	84	85	70
114	122027	96	100	96	100	96	100	94	100	94	100	80
115	122118	56	90	76	90	64	100	60	100	56	90	80
116	122018	68	80	64	80	60	90	20	85	60	90	50
117	122002	84	90	60	100	68	100	92	100	62	85	80
118	122311	72	90	56	90	52	100	60	90	76	85	70
119	132937	A	70	A	80	84	90	100	90	28	90	90
120	132940	72	90	76	90	64	90	76	90	56	90	80
121	132926	92	100	84	100	92	100	92	90	88	100	80
122	132925	80	90	44	100	68	100	44	100	100	90	80
123	132903	36	70	44	85	44	85	40	80	76	90	70
124	132931	80	90	76	90	72	100	72	100	80	100	70
125	132933	24	70	36	90	72	85	40	80	64	85	70
126	132918	32	70	24	90	64	85	32	85	48	85	60
127	132901	88	A	48	90	64	100	84	90	68	85	80
128	132920	76	100	88	100	84	90	60	100	80	85	80
129	132913	84	100	76	90	68	100	44	100	28	90	70
130	132935	52	90	80	90	76	90	32	100	60	90	70
131	132934	72	90	88	90	68	100	48	90	44	90	60

Benchmark	**C405E4.1**		**C405E4.2**		**C405E4.3**		**C405E4.4**		**C405E4.5**		**AU**
	CO1	**Q1**	**CO2**	**A1**	**CO3**	**A2**	**CO4**	**A3**	**CO5**	**S1**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	88.8	100	79.2	96.18	89.68	99.24	72.87	99.24	75.97	100	90.08
Level Obtained	3	3	2	3	3	3	2	3	2	3	3

Survey:

Survey	**C405E4.1**	**C405E4.2**	**C405E4.3**	**C405E4.4**	**C405E4.5**
Obtained Percentage	97.18	96.62	97.03	96.44	96.62
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 – C4095E4:

Course	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C405E4.1	3	-	-	3	3	3	3	3	3
C405E4.2	2	3	-	-	2.3	3	2.72	3	2.78
C405E4.3	3	3	-	-	3	3	3	3	3
C405E4.4	2	3	-	-	2.3	3	2.72	3	2.78
C405E4.5	2	-	3	-	2.2	3	2.68	3	2.74
C405E4									**2.86**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C405E4) Overall Attainment 2.86
	External Assessment (AU)	Internal Assessment (IA)	
C405E4.1	AU Exam	[0.8*Internal Test + 0.2*Quiz]	[0.8*CO + 0.2*Survey]
C405E4.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E4.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E4.4	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E4.5	AU Exam	[0.8*Internal Test + 0.2*Seminar]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C405E4 = \frac{C405E4.1 + C405E4.2 + C405E4.3 + C405E4.4 + C405E4.5}{5} = 2.86$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Flexible Ac Transmission System: C405E3
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C405E3.1		C405E3.2		C405E3.3		C405E3.4		C405E3.5		AU
		CO1	A1	CO2	A2	CO3	A3	CO4	S1	CO5	Q1	
1	122301	76	100	72	100	76	100	84	90	80	77	70
2	122108	78	100	22	100	28	100	80	95	68	75	80
3	122048	32	100	68	100	72	90	88	90	60	72	70
4	122308	76	100	72	100	72	80	76	85	68	70	70
5	122119	50	100	80	100	72	100	100	85	12	67	70
6	122122	66	100	66	100	68	100	80	85	64	67	70
7	122110	80	100	80	100	76	100	72	85	68	73	80
8	122039	80	100	80	100	80	100	76	89	76	75	90
9	122107	80	100	68	100	80	100	96	95	84	75	70
10	122037	84	100	80	100	88	100	96	85	96	73	60
11	122026	84	100	100	100	88	100	100	95	84	73	70
12	122019	70	100	70	100	92	100	92	85	84	70	90
13	122309	20	100	0	100	60	100	72	85	72	66	80
14	122012	92	100	88	100	84	100	100	95	92	67	60
15	122049	80	100	80	100	76	100	100	90	84	70	80
16	122007	76	100	80	100	72	100	80	90	80	78	70
17	122017	80	100	80	100	52	100	88	85	84	70	50
18	122045	66	100	66	100	76	100	80	95	68	65	80
19	122030	80	100	88	100	68	100	100	90	88	68	80
20	122106	82	100	48	100	76	100	80	85	80	72	60
21	122052	80	100	84	100	80	100	92	85	84	67	90
22	122112	28	100	36	90	64	90	72	85	64	73	80
23	122005	80	100	80	100	80	100	86	90	84	75	70
24	122029	72	100	80	100	32	100	84	95	76	73	80
25	122025	28	100	32	100	72	100	88	90	72	67	90
26	122314	60	100	80	100	52	100	80	90	68	64	80
27	122051	76	100	76	100	68	100	80	85	76	70	50
28	122047	52	100	48	100	A	100	72	85	72	66	80
29	122306	56	100	56	100	A	100	60	90	40	73	70
30	122036	80	100	80	100	76	100	84	90	76	67	70
31	132923	60	100	60	100	76	100	72	90	32	80	70
32	132932	72	80	72	100	80	100	52	90	48	75	80
33	132904	72	100	76	100	76	100	80	95	60	75	60
34	132921	76	100	68	100	80	100	80	95	80	78	70
35	132928	80	100	80	100	80	100	76	95	64	73	80
36	132908	92	100	84	100	88	100	84	95	84	83	80
37	132907	92	100	84	100	76	100	80	90	76	73	80
38	132936	88	100	72	100	76	100	76	90	84	69	80
39	132915	76	100	76	100	76	100	64	90	76	73	70
40	132929	64	100	72	100	60	100	72	95	60	70	80
41	132911	76	100	80	100	80	100	96	95	88	73	70
42	132914	72	90	56	100	72	100	48	90	20	75	70
43	132919	76	100	84	100	64	100	76	90	76	75	50
44	132930	80	100	60	100	52	100	52	90	48	73	80
45	122116	76	100	84	100	76	100	72	90	60	73	50
46	122001	72	100	76	100	76	100	80	90	76	75	50
47	122041	76	100	88	100	80	100	88	95	76	78	70

48	122104	80	100	82	100	84	100	72	95	60	78	80
49	122040	44	100	56	100	68	100	56	95	44	70	70
50	122117	80	100	80	100	76	100	100	95	80	78	80
51	122102	80	100	84	100	80	100	92	95	88	71	70
52	122109	80	100	88	100	80	100	100	95	80	75	80
53	122050	36	100	20	100	64	100	80	85	60	67	80
54	122054	84	100	80	100	76	100	80	95	76	73	70
55	122024	84	100	84	100	80	100	76	95	68	75	70
56	122010	50	100	50	100	68	100	64	95	60	73	80
57	122004	24	100	76	100	68	100	92	90	8	69	80
58	122015	80	100	80	100	76	100	80	90	72	78	70
59	122313	88	100	84	100	80	100	100	95	80	77	70
60	122023	42	100	66	100	60	100	64	95	60	73	70
61	122033	72	90	84	90	80	90	80	90	60	80	70
62	122312	80	90	76	90	72	90	96	90	84	90	90
63	122021	96	90	80	90	A	90	100	90	92	90	70
64	122022	60	80	40	80	60	90	76	90	84	90	70
65	122304	80	90	68	90	80	80	98	80	82	90	60
66	122008	40	80	60	90	68	90	96	90	80	90	80
67	122044	56	90	64	90	80	90	88	90	90	90	70
68	122006	84	90	84	90	76	90	92	90	72	90	70
69	122038	A	80	A	90	72	90	92	90	88	90	80
70	122105	A	90	A	90	88	80	A	90	A	90	80
71	122101	76	90	64	90	64	80	72	90	44	90	70
72	122034	96	90	72	90	84	90	92	80	84	90	60
73	122316	30	90	34	90	80	90	92	80	88	90	80
74	122305	84	90	92	90	80	90	88	90	96	90	90
75	132927	60	90	60	90	72	90	92	90	88	90	70
76	132910	80	90	80	90	72	90	80	90	92	90	70
77	132941	76	80	80	90	76	90	96	90	100	90	70
78	132922	96	90	88	90	80	90	96	90	100	90	90
79	132938	92	90	96	90	80	90	96	90	92	90	70
80	132912	92	90	92	90	88	80	96	90	96	90	60
81	132939	96	90	92	90	92	90	100	90	96	90	70
82	132917	92	90	80	90	68	90	96	90	84	90	50
83	132909	76	90	48	80	88	90	84	90	92	80	70
84	132924	88	90	84	90	84	90	88	90	92	90	50
85	132905	84	90	96	90	84	90	88	80	60	90	60
86	132916	84	90	100	90	84	90	100	80	96	90	90
87	132902	64	90	56	90	16	90	28	90	12	90	80
88	102325	96	90	88	90	100	90	96	90	92	90	70
89	122028	80	90	80	90	88	90	92	90	88	90	80
90	122046	40	80	32	80	A	90	A	90	A	90	80
91	122003	66	100	66	100	56	100	80	95	68	73	70
92	122113	68	100	68	100	72	100	72	95	64	66	70
93	122103	20	100	16	100	74	100	76	85	68	26	50
94	122310	66	100	54	100	56	100	72	85	68	78	70
95	122031	80	100	84	100	A	100	84	90	76	75	70
96	122115	80	100	80	100	80	100	72	90	72	67	70
97	122307	88	100	84	100	64	100	80	90	75	67	70
98	122016	72	100	72	100	80	100	96	95	84	66	90
99	122035	76	90	68	100	76	100	80	95	72	75	70

100	122302	80	90	80	100	76	100	84	95	80	68	70
101	122014	72	100	72	100	72	100	88	95	80	73	80
102	122053	60	100	56	100	72	100	70	90	52	73	80
103	122114	88	100	76	100	72	100	80	90	80	75	70
104	122315	66	100	54	100	60	80	68	90	64	73	70
105	122011	76	100	68	100	76	100	80	95	36	73	70
106	122013	80	100	80	100	96	100	100	95	88	70	80
107	122303	72	80	68	100	68	100	84	95	80	69	70
108	122120	72	100	68	100	76	100	84	90	80	65	80
109	122009	76	100	80	100	80	100	88	90	80	72	70
110	122042	72	100	80	100	80	100	92	90	68	73	80
111	122111	A	80	A	80	28	80	A	80	A	80	A
112	122043	68	90	76	100	56	100	64	90	60	70	70
113	122032	72	100	72	100	76	100	80	90	80	73	80
114	122027	88	100	88	100	96	100	80	85	80	75	80
115	122118	68	90	68	100	72	100	76	95	64	72	80
116	122018	0	100	36	100	68	100	64	90	60	68	50
117	122002	66	100	74	100	76	100	64	85	60	73	70
118	122311	70	100	66	100	72	100	80	80	64	73	70
119	132937	80	90	96	90	76	80	92	90	92	90	70
120	132940	50	90	50	90	96	90	92	90	88	90	80
121	132926	96	90	88	90	96	90	100	90	96	90	90
122	132925	80	90	80	90	64	90	98	90	98	90	50
123	132903	88	90	60	90	64	90	84	90	80	90	50
124	132931	36	80	64	90	76	90	88	90	88	90	70
125	132933	72	90	68	90	68	90	88	90	80	90	60
126	132918	60	90	40	80	60	90	52	90	20	90	50
127	132901	8	90	8	90	72	90	92	90	72	80	60
128	132920	88	90	84	90	84	90	96	80	88	90	70
129	132913	64	90	84	90	84	80	98	90	94	80	80
130	132935	60	90	48	90	64	90	78	90	92	90	70
131	132934	16	80	48	90	88	90	100	90	80	90	70

Benchmark	**C405E3.1**		**C405E3.2**		**C405E3.3**		**C405E3.4**		**C405E3.5**		**AU**
	CO1	**A1**	**CO2**	**A2**	**CO3**	**A3**	**CO4**	**S1**	**CO5**	**Q1**	
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	82.81	100	79.69	100	92.06	100	95.31	100	89.84	98.47	83.08
Level Obtained	3	3	2	3	3	3	3	3	3	3	3

Survey:

Survey	**C405E3.1**	**C405E3.2**	**C405E3.3**	**C405E3.4**	**C405E3.5**
Obtained Percentage	97.46	96.12	95.93	95.95	96.34
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 – C4095E3:

Course	Internal Test	Assignment	Seminar	Quiz	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C405E3.1	3	3	-	-	3	3	3	3	3
C405E3.2	2	3	-	-	2.3	3	2.72	3	2.78
C405E3.3	3	3	-	-	3	3	3	3	3
C405E3.4	3	-	3	-	3	3	3	3	3
C405E3.5	3	-	-	3	3	3	3	3	3
C405E3									**2.96**

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C405E3) Overall Attainment 2.96
	External Assessment (AU)	Internal Assessment (IA)	
C405E3.1	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E3.2	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E3.3	AU Exam	[0.7*Internal Test + 0.3*Assignment]	[0.8*CO + 0.2*Survey]
C405E3.4	AU Exam	[0.8*Internal Test + 0.2*Seminar]	[0.8*CO + 0.2*Survey]
C405E3.5	AU Exam	[0.8*Internal Test + 0.2*Quiz]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C405E3 = \frac{C405E3.1 + C405E3.2 + C405E3.3 + C405E3.4 + C405E3.5}{5} = 2.96$$

KLNCE/B.E - EEE – 2012-2016 Batch – Course: Project Work: C412
Internal Assessment/ Assignment/ Tutorial/ Seminar/ Quiz/AU marks

S.No.	Roll.No.	C412.1	C412.2	C412.3	C412.4	C412.5	AU
		R1	R2	R3	R4	R5	
1	122301	98	98	98	98	99	100
2	122108	96	96	96	96	96	100
3	122048	92	92	92	92	92	100
4	122308	92	92	92	92	93	100
5	122119	92	92	93	93	92	100
6	122122	92	92	92	93	93	100
7	122110	92	92	92	93	93	100
8	122039	96	96	96	97	96	100
9	122107	98	98	98	98	99	100
10	122037	93	93	93	93	92	100
11	122026	98	98	98	98	99	100
12	122019	91	91	91	91	90	100
13	122309	92	92	93	93	92	100
14	122012	98	98	98	98	99	100
15	122049	92	92	93	93	92	100
16	122007	92	92	93	92	93	100
17	122017	92	92	93	93	92	100
18	122045	94	95	95	95	95	100
19	122030	92	92	93	93	92	100
20	122106	92	92	93	93	92	100
21	122052	92	92	93	93	92	100
22	122112	90	90	91	91	90	100
23	122005	96	96	97	97	97	100
24	122029	98	98	98	99	99	100
25	122025	90	90	91	91	90	100
26	122314	90	90	90	91	90	100
27	122051	92	92	92	93	93	100
28	122047	94	94	95	95	94	90
29	122306	92	92	93	92	93	100
30	122036	90	90	90	91	91	100
31	132923	92	92	92	92	93	100
32	132932	93	93	92	93	93	100
33	132904	93	93	93	93	92	100
34	132921	92	92	93	93	92	100
35	132928	98	98	97	98	98	100
36	132908	98	98	99	98	99	100
37	132907	96	96	96	97	97	100
38	132936	98	98	98	99	99	100
39	132915	94	94	95	95	94	100
40	132929	99	99	99	99	99	100
41	132911	99	99	99	99	99	100
42	132914	92	92	93	93	92	100
43	132919	98	98	99	99	98	100
44	132930	97	98	97	98	98	100
45	122116	98	98	98	99	99	100
46	122001	99	99	99	99	98	100
47	122041	99	98	99	99	99	100

48	122104	99	99	99	99	98	100
49	122040	92	92	92	93	93	100
50	122117	99	99	98	98	99	100
51	122102	98	98	99	98	98	100
52	122109	98	98	98	99	99	100
53	122050	95	95	95	96	96	100
54	122054	99	99	98	99	99	100
55	122024	98	99	98	98	99	100
56	122010	90	90	90	91	91	100
57	122004	98	98	98	99	99	100
58	122015	99	99	99	99	99	100
59	122313	95	95	96	96	95	100
60	122023	90	90	90	91	91	100
61	122033	92	92	93	93	92	100
62	122312	92	92	93	93	92	100
63	122021	90	90	90	91	91	100
64	122022	96	96	97	97	96	100
65	122304	98	98	98	98	99	100
66	122008	90	90	91	90	90	100
67	122044	90	90	91	91	90	100
68	122006	92	92	93	92	93	100
69	122038	85	84	85	85	84	100
70	122105	92	92	93	92	93	100
71	122101	90	90	90	91	91	100
72	122034	92	92	92	93	93	100
73	122316	92	92	92	93	93	100
74	122305	93	93	93	93	93	100
75	132927	92	92	93	93	92	100
76	132910	98	98	97	98	98	100
77	132941	98	98	99	98	99	100
78	132922	96	96	96	97	97	100
79	132938	98	98	98	99	99	100
80	132912	94	94	96	95	94	100
81	132939	99	99	99	99	99	100
82	132917	99	99	99	99	99	100
83	132909	92	92	93	93	92	100
84	132924	98	98	99	99	98	100
85	132905	97	98	97	98	98	100
86	132916	98	98	98	99	99	100
87	132902	99	99	99	99	98	100
88	102325	99	98	99	99	99	100
89	122028	99	99	99	99	98	100
90	122046	92	92	92	93	93	80
91	122003	96	96	96	97	97	100
92	122113	90	90	90	91	91	100
93	122103	91	91	91	92	92	100
94	122310	86	86	86	87	87	100
95	122031	90	90	90	91	91	100
96	122115	92	92	92	93	93	100
97	122307	92	92	93	92	93	100
98	122016	96	96	96	97	97	100
99	122035	90	90	90	91	91	100

100	122302	90	90	90	91	91	100
101	122014	92	92	92	93	93	100
102	122053	92	92	92	93	93	100
103	122114	94	94	94	95	95	100
104	122315	95	95	95	96	96	100
105	122011	96	96	96	97	97	100
106	122013	98	98	99	98	99	100
107	122303	98	98	99	99	98	100
108	122120	94	94	94	95	95	100
109	122009	96	96	96	97	97	100
110	122042	98	98	98	99	99	100
111	122111	96	96	97	97	96	80
112	122043	94	94	94	95	95	100
113	122032	93	93	93	94	94	100
114	122027	99	99	99	99	98	100
115	122118	97	97	97	98	98	100
116	122018	87	87	86	90	90	90
117	122002	91	91	91	92	92	100
118	122311	87	90	88	90	86	100
119	132937	96	96	96	97	97	100
120	132940	97	97	97	98	98	100
121	132926	92	92	93	93	92	100
122	132925	98	98	98	99	99	100
123	132903	97	97	97	98	98	100
124	132931	96	96	96	97	97	100
125	132933	97	97	98	97	98	100
126	132918	98	98	98	99	99	100
127	132901	97	97	97	98	98	100
128	132920	96	96	96	97	97	100
129	132913	97	97	97	97	97	100
130	132935	97	98	98	97	97	100
131	132934	98	98	98	99	99	100
132	102325	82	82	82	83	83	80

Benchmark	R1	R2	R3	R4	R5	AU
% of Students secured ≥60 marks in CITs, ≥80 in assignment and ≥C (7) grade in AU	100	100	100	100	100	97.73
Level Obtained	3	3	3	3	3	3

Survey:

Survey	C412.1	C412.2	C412.3	C412.4	C412.5
Obtained Percentage	98.89	97.95	97.76	98.13	98.52
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 – C412:

Course	Internal Test	IA	AU Exam	Direct Attainment	Survey	Overall Attainment
C412.1	3	3	3	3	3	3
C412.2	3	3	3	3	3	3
C412.3	3	3	3	3	3	3
C412.4	3	3	3	3	3	3
C412.5	3	3	3	3	3	3
C412						3

Formula for Attainment Calculations:

CO	(CO) Attainment = (0.6*AU + 0.4*IA)		(C412) Overall Attainment
	External Assessment (AU)	Internal Assessment (IA)	
C412.1	AU Exam	[1*Review]	[0.8*CO + 0.2*Survey]
C412.2	AU Exam	[1*Review]	[0.8*CO + 0.2*Survey]
C412.3	AU Exam	[1*Review]	[0.8*CO + 0.2*Survey]
C412.4	AU Exam	[1*Review]	[0.8*CO + 0.2*Survey]
C412.5	AU Exam	[1*Review]	[0.8*CO + 0.2*Survey]

Overall Attainment:

$$C412 = \frac{C412.1 + C412.2 + C412.3 + C412.4 + C412.5}{5} = 3$$