



**KL NCE**  
*Blossoms*



நல்லவே எண்ணல் வேண்டும் :  
எண்ணிய முயற்சல் வேண்டும்

**K.L.N. COLLEGE OF ENGINEERING**

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**DEPARTMENT OF MECHANICAL ENGINEERING**

**PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNAL**

Staff Name	Title of the Paper	Journal
Dr.M.R.Thansekhar,Prof	Effect of diameter of metal nano wires on pool boiling heat transfer with FC-72	Applied Surface Science Vol. 423, pp.509-520

**PUBLICATIONS IN INTERNATIONAL / NATIONAL CONFERENCE**

Staff Name	Title of the Paper	Conference
Mr. M.Karlmarx,AP	Design and Fabrication of Multiple type fruit picking stick using renewable energy source	IJARSE 18, held at Buddha Institute of Technology, Gida, Gorakhpur (U.P) / 02.04.2018
Mr.T.L.Vijaya kumar,AP	Implementation Of Lean Tools In M25 Module	ICETSST-2018, held at Erode Sengunthar Engineering College Erode /5.4.18
Mr. K.K. Arunvignesh,AP	Wear Behaviour Of SiCP And Mos2-Reinforced Aluminium 6063 Metal matrix Composite	
Mrs. B.Devi,AP	Lead Time Reduction In Hydraulic Press using Automation	
Mr. R. Ashok Kumar, AP(S.G)	Influence of tool rotational speed on the mechanical properties of Friction stir welded AA5052 and AA6101-T6 Aluminium alloys	
Mrs. C.Anbumeenakshi, AP(S.G)	Experimental Investigation of Heat Transfer in Microchannel Heat Sink Using Tio2 Nanofluid	
Dr. M.R.Thansekhar,Prof	Experimental And Numerical Investigation of Heat Transfer Performance of Wavy Micro channel With Altered Header Configurations & Nano fluid	ICIEIA 2018, held at K.L.N.C.E / 11.05.2018
Dr. A.N.Balaji,Prof	Experimental investigation of mechanical and tribological behavior of aluminum hybrid composite	
Dr. P.Sabarinath,ASP	Passive Safety System for Side Impact In Cars	
	Experimental Investigation of Heat Transfer In Micro Channel Heat Sink Using Tio2 Nano fluid	
Dr. M.R.Thansekhar,Prof Dr. C.Anbumeenakshi, AP(S.G)	Experimental Investigation of Heat Transfer Study in Straight and Oblique Finned Micro channel Heat Sink	

**ORGANIZING SEMINARS/ CONFERENCES / WORKSHOPS**

Date	Title	Resource Persons	No. of Participants
03.04.2018	State Level Students Project Contest "MECHPRO 2K'18"	Mr. D. Jegannathan,Vice President - Corporate, TVS group of Companies, Madurai. Mr. K.A. Kaja Mohaideen,Course Director, Gulf Technical Insitute, Madurai.	52

03.05.2018 to 05.05.2018	Three Day Workshop on “Engineering Education – A Challenging Task for Supporting Staff”	Dr. S.M. Kannan, Prof & Head / EEE Dr. R. Alageswaran, Prof & Head / IT Dr. P. Loganthurai, ASP / EEE Mr. G. M. Nagarajan, ASP / MECH Dr. T. Ananth Kumar, Physical Director Mrs. N. Meena Priya, Assistant Physical Director	21
21.06.2018 & 22.06.2018	Two Day Workshop on Geometric Dimensioning & Tolerancing"	Mr. T.V.S. Bhuvaneswar, Engineer, LMW ATC, Lakshmi Machine works, Coimbatore-641006. Mr. S. Jayachandran, Mould Design Engineer (NPD) Bhargave Rubber Private Ltd, Madurai-625016. Mr. T. Krishnakumar Engineer (NPD), Butterfly Gandhimati Appliances Ltd, Chennai. Mr. P. Karthick, Design Engineer, 3D CADD Academy, Madurai.	42

#### GUEST LECTURES

Date	Topic / Title	Year	Resource Person
29.06.2018	Personality Development Programme	IV	Mr. M. Arun Kumar, Motivational Trainer, CONNECT Training Solutions Private Limited, Trivandrum Road, Tirunelveli, Tamilnadu-627002.
	HVAC- Designing and Drafting	III	Mr. Sharee Kaiser, HVAC Trainer / Regional Manager, READS Engineering LLP, 8, 114, G, Trishul Flats, Ground Floor, Old Trunk Road, Pallavaram, Chennai-600043.

#### FACULTY DEVELOPMENT PROGRAMS/SHORT TERM COURSES ORGANIZED IN OUR COLLEGE

Date	Topic / Title	Resource Persons	No. of Participants
30.06.2018 & 01.07.2018	Two days skill enhancement programme on “Fluidsim with cascading Applications	Mr. S. Julius Fusic, AP/ Mechatronics Dept, TCE, Madurai	24

#### QUALITY IMPROVEMENT PROGRAMS

Staff Name	Seminar / Workshop / Course Attended	Date / Venue
Dr. P. Udhaya Kumar, Prof/HOD	Commercial, Domestic Air Conditioners Installation & Trouble Shooting Organized by ISHRAE MADURAI CHAPTER	13.04.2018

#### ACHIEVEMENTS OF STAFF RECOGNITION / HONOURS

Staff Name	Seminar / Workshop / Course Attended	Date
Dr. P. Udhaya Kumar, Prof/HOD	Received an Appreciation Award - Student Chair (SY 2017-18) from ISHRAE National President Mr. C. Subramanian during the Installation Ceremony of Officers and CWC Members ISHRAE Madurai held at Hotel Fortune Pandian, Madurai.	01.04.2018
	ZONAL CHAIR - STUDENTS ACTIVITY, ISHRAE Selected as ZONAL CHAIR - STUDENTS ACTIVITY, ISHRAE during the society year 2018-19.	

### DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

#### PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNAL

Staff Name	Title of the Paper	Journal
Dr. S.M. Kannan, Prof HOD	Solar and IoT Based Health Monitoring, Controlling and Tracking System for Soldiers	International Journal of Electrical and Electronics Engineering ISSN: 2348-8379, April 2018
	Smart load shedding and price, based energy management using microcontrollers	Journal of applied Science and Computations ISSN : 0076-5131 June 2018
Dr. S. Venkatesan, Prof	Reduction of Torque Ripple Content in the BLDC Motor	International Journal of Electrical and Electronics Engineering ISSN: 2348-8379, April 2018
	Smart Industrial Monitoring and Controlling using Internet of Things	

Dr. S.Venkatesan,Prof	Location of Distributed Generation Using Improved PSO Algorithm	Journal of applied Science and Computations ISSN : 0076-5131,June 2018
Dr. K.Gnanambal,Prof	GSM Module based Smart Meter and Smart Home	
Dr. S.Parthasarathy,Prof	IoT Enabled Wireless Technology Based Monitoring and speed	
A.Marimuthu,ASP Dr. K.Gnanambal,Prof	Maximization of Loadability of Distributed System by Optimal Placement and sizing of DG using PPSO	
A.Marimuthu,ASP	Public Water Source Over Absorption Limiter	International Journal of Electrical and Electronics Engineering ISSN: 2348-8379, April 2018
Dr. P.Loganthurai,ASP	Intelligent Defrost System Based on Energy Management	
	Witricity for Short Distance	Journal of applied Science and Computations ISSN : 0076-5131,June 2018
M.Jegadeesan,ASP	Energy Efficient Operation of Heaters in PVC Pipe Manufacturing	
	Intelligent Energy Saving System Based on Stand by Power Reduction	International Journal of Electrical and Electronics Engineering ISSN: 2348-8379, April 2018
Dr.J.Sangeetha,ASP	Smart Ingress and Egress System For Indian Railways	Journal of applied Science and Computations ISSN : 0076-5131,June 2018
	Adaptive Fuzzy Coordinated PSO Based Modeling of Controller with SVC and PSS for Transient Stability Enhancement in Multimachine Power System	International Journal of Latest Engineering Research and Applications (IJLERA) ISSN:2455-7137, April 2018
M.Ganesh Kumari,AP Dr. K.Gnanambal,Prof	Analysis and Comparison of PSO and DE based optimized DVR for mitigation of short duration voltage disturbance	Journal of Electrical Engineering, April 2018
Dr. C.Vimalarani,ASP	IoT Based Inferno Robot	International Journal of Electrical and Electronics Engineering ISSN: 2348-8379, April 2018
S.Manoharan,AP	Design of Multilevel Inverter for High Voltage Loads with Coupled Inductors	
M.Ganesh Kumari,AP	Compensation of Common Mode Voltage in Induction Motor Drives With SEPIC Converter	
K.R.Jeyavelumani,AP	Agricultural Intelligent Robot	
M.Jeyamurugan,AP	Cane Unloaded EOT Crane Hoist Limited and ERC Chain Loose Alarm	
M.Balamurugan,AP	Microcontroller Based Sewage Cleaner	
R.Jeyapandiprathap,AP M.Jeyamurugan,AP	A Novel TPC Converter For Hybrid Renewable Energy System	
R.Jeyapandiprathap,AP T.Gopu,AP	Fault Location Scheme of Smart Grid Based on Wireless Sensor Networks using Data Acquisition	
A.Manoj,AP	IoT Enabled Real-Time Fishpond Management System	
Dr. A.P.S.Ramalakshmi, AP	Accelerometer Based Gesture Hand Controlled Robot Using Arduino	
Dr .S.Rajalingam,AP	Smart Vehicle Pollutant Tracking System Using GSM and GPS	International Journal on Research Innovations in Engineering Science and Technology ISSN 2455-8540,May 2018
	Intelligent Pollutant Tracking System in Vehicles	Journal of applied Science and Computations ISSN : 0076-5131, June 2018
N.Vimal Radha Vignesh, AP	Design and Implementation of Wireless Controlled Three Phase Induction Motor using Single Phase Supply	International Journal of Electrical and Electronics Engineering ISSN: 2348-8379, April 2018
	Remote Sensing Rover Using Arm Processor	Journal of applied Science and Computations ISSN : 0076-5131, June 2018

Dr. S.P.Rajaram,AP	IoT Based gas pre-booking & gas leakage detection using IBM Server	Journal of applied Science and Computations ISSN : 0076-5131, June 2018
Dr. M.Mahalakshmi,AP	IoT Based Design and Implementation of Smart Farming Fed by Solar PV System	
V.Sindhu,AP	Optimal allocation of phasor measurement units using differential evolution	International Journal of Electrical and Electronics Engineering ISSN: 2348-8379, April 2018
	Optimal Allocation of phasor measurement units with contingencies using flower pollination algorithm	Journal of applied Science and Computations ISSN : 0076-5131, June 2018

#### PUBLICATIONS IN INTERNATIONAL / NATIONAL CONFERENCE

Staff Name	Title of the Paper	Conference
Dr.K.Gnanambal,Prof	Net Energy meter	International Conference on Innovations in Engineering and Industrial Applications –ICIEIA'18 at KLNCE, Madurai, 11 <sup>th</sup> and 12 <sup>th</sup> MAY 2018
	Advanced Metering Infrastructure for Power Quality Monitoring of V2G Application with Integrated Renewable Energy	
Dr.S.Parthasarathy,Prof	Wireless Monitoring and Speed Control of Motors Using Variable Frequency Drives	
Dr.S.Venkatanarayanan,Prof	Ardunio Based Anesthetic Injector (ABAI)	
M.Ganesh Kumari,AP	Smart home and smart meter with GSM module	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018, Baan Sukhawadea, Pattaya, Thailand, 7 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018
Dr.S.Venkatanarayanan,Prof Dr.S.M.Kannan,Prof & HOD	Optimum Location of Distributed Generator in Distributed System Using Shuffled Frog Leaping Algorithm	
	Multi Constraint Fuzzy based Wireless Sensor Node Communication for Smart Grid	
	Optimum Location of Distributed System Using Shuffled Frog Leaping Algorithm	
	Industrial Energy Audit and Improve Power Quality in Solar Energy System	
	Analysis and Development of Music Ritham For Led Flash Light Using Micro Controllers	
	Investigations on Severity Level for Diabetic Maculopathy based on the location of lesions	
	IOT Based Health Monitoring System Using MEMS Sensor	
	Optimal Demand Response in Integrated Energy Management System for Industries	
	Sequential Loading of Backup Generator with Load Sharing	
	Design and Implementation of MPPT Controller for Grid Connected Photo Voltaic System and Analyzing its Performance	
Dr.S.Venkatanarayanan,Prof	IOT based Monitoring of Fertilizer and Moisture in Agriculture	
	Analysis of Various Types of Balanced Voltage Sags	
	A Novel Method of Detection and Classification of Diabetic Retinopathy in Fundus Imagery	
	Real Time Detection of Retinal Detachment and Exudates Using Fundus Image with Super pixel Multi Feature Classification	
	Power Quality Analysis in a Bulk HT Industry at Theni, Tamil Nadu	



**ORGANIZING SEMINARS / CONFERENCES / WORKSHOPS**

Date	Topic / Title	Resource Persons	No. of Participants
21.06.2018 to 23.06.2018	Three days Value Added Course on “C & C++ Programming”	Ms.V.Naga Nanthini, Software Trainer @IIHT, Madurai.	28
18.06.2018 to 22.06.2018	Value Added Course on “Python Programming”	Mr.S. Vinoth, Co-Founder, Silicon Software Services, Madurai.	37
11.06.2018 to 22.06.2018	10 days Value Added Course on “Oracle Certified Java Programmer-OCJP”	Mr. A. Karthikeyan, Senior Software Developer and Trainer, Silicon Software Service, Madurai.	40
18.06.2018 to 20.06.2018	Three Days Hands on Workshop on “Analog and Digital System Design” in Association with STEPS Knowledge Services, Coimbatore.	Mr.M.Srinivasan, Assistant Engineer, Mr.T.Dinesh Kumar, Assistant Engineer, STEPS Knowledge Services, Coimbatore.	44

**FACULTY DEVELOPMENT PROGRAMS/SHORT TERM COURSES ORGANIZED IN OUR COLLEGE**

Date	Topic / Title	Resource Persons	No. of Participants
11.06.2018 to 15.06.2018	Five Days Hands on Training on “Embedded Systems and IOT applications” in Association with STEPS Knowledge Services, Coimbatore.	Mr. M. Srinivasan, Assistant Engineer, Mr. T. Dineshkumar, Assistant Engineer, STEPS Knowledge Services, Coimbatore.	25

**QUALITY IMPROVEMENT PROGRAMS**

Staff Name	Seminar / Workshop / Course Attended	Date / Venue
Dr.C.Vimalarani, ASP M. Ganesh Kumari, AP(Sr.Gr.) T.Gopu, AP	Participated in the AICTE-ISTE Sponsored One week Training on “Creative Learning and Innovative Teaching Methodologies”	23.04.2018 to 29.04.2018/ K.L.N.C.E, Sivagangai.
Dr. S. Rajalingam, AP	Participated in the “Training Programme on LabVIEW” organized by NI LabVIEW Academy	05.06.2018 to 08.06.2018/ TCE, Madurai.
N.Vimal Radha Vignesh, AP A.Manoj, AP	Participated in the TEQIP III Sponsored Three Days Workshop on “Enabling High Performance Computing in Cloud”	13.06.2018 to 15.06.2018/ TCE, Madurai.
V.Sindhu, AP R. Divya, AP	Participated in the Two day workshop on “Smart Grid and Micro Grid Systems – Research Issues”	04.05.2018 & 05.05.2018/ Mepco Schlenk Engineering College, Sivakasi.
S. Manoharan, AP(Sr.Gr.) R. Divya, AP	Participated in FDTP on “Power System Analysis-EE6501”, sponsored by Centre for Faculty Development Anna University, Chennai.	23.06.2018 - 30.06.2018/ Anna University Regional Campus, Madurai.

**OTHER EVENTS**

Name	Year	Title of Event	Date / Venue	Prize won
Sankara narayanan. S Ranjith kumar. S	II	Mini project contest-Electrocution safe shutdown system in Distribution Network	29.01.2018/K.L.N.C.E, Sivagangai.	II
Vidhyatharan .B Yuvalakshman .K	III	Best project for KLNCE incubator	06.04.2018/K.L.N.C.E, Sivagangai.	Best Project
Balaji. A	IV	Best outgoing hostel Inmate		
Ganesh babu .M Mohamed hafil. S	I	Paper presentation in English		
M.Vigneshwaran V.Suriyakumar M.sathishkumar R.Gayathri R.Pradeep kumar Yuvana Shree Muruga Priya Swathika	IV	Internship at Aricent	07.12.2017 to 31.05.2018/ Chennai.	Internship

**ACHIEVEMENTS OF STAFF RECOGNITION / HONOURS**

Staff Name	Seminar / Workshop / Course Attended	Date
Dr. K. Gnanambal, Prof	Delivered a Lecture on “Introduction to Power System Analysis and Per unit System” in the Faculty Development Training Programme on “Power System Analysis”.	23.06.2018/Anna University Regional Campus, Madurai.
Dr.S.Venkatanarayanan, Prof.	Delivered a lecture on “Creative Learning and Innovative Teaching Methodologies” in AICTE-ISTE Sponsored One Week Training.	26.04.2018 /K.L.N.C.E, Sivagangai.

**RESEARCH AND CONSULTANCY WORK**

Staff Name	Name of Research and Consultancy Work	Date / Place
Dr.S.Parthasarathy, Prof	Harmonic audit & consultancy	01.06.2018/BSNL, Madurai. 04.04.2018/BSNL, D-TAX Exchange Building II floor, Promenade Road, Trichy.
Dr.S.Venkatanarayanan, Prof	Energy Audit	02.05.2018 /Energy Audit Exhibited at Thamukkam Madurai. 30.04.2018/M/S Kangaroo Hometex, Karur-639003. 30.04.2018/M/S COMBI Colours, Karur-639003. 29.04.2018/M/s Culex Fabrics, Vennaimalai Post, Karur-639006. 27.04.2018 /M/s Veera Home Tex (India) Pvt Ltd, Sengunthapuram Main Road, Karur-639002 25.04.2018/M/S Dharani Industries, Karur-639006. 20.04.2018 /M/S Srinivasa Modern Rice Mill Thiruvannamalai. 02.04.2018/M/S Malar Filament, Karur -639 006

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING****PUBLICATIONS IN INTERNATIONAL / NATIONAL CONFERENCE**

Staff Name	Title of the Paper	Conference
Dr.S.Murugan, Prof	Design of Dual band circular Microstrip antenna for 4G LTE wireless applications	International conference on innovations in engineering and industrial applications 2018(ICIEIA'18), KLNCE
Dr.P.Karpagavalli, ASP	Sinus Identification in X-Ray Images by Using Bi-Cubic Interpolation	
Mr.R.Mohan Kumar, ASP	Analysis of Multicolor Transformation Using Various Clustering technique With LLE Approach.	
Dr.S.Subha, AP(Sr.Gr)	Virtual Gesture Control and Touch Screen Using KINCET Camera	

**ORGANIZING SEMINARS/ CONFERENCES / WORKSHOPS**

Date	Topic / Title	Resource Persons	No. of Participants
12.05.2018 & 13.05.2018	International Conference on Innovations in Engineering and Industrial Applications 2018(ICIEIA'18), K.L.N.C.E	Dr.Nipat Jongsawat, Dean and Faculty of Science and Technology, Rajamangala University of Technolgy, Thanyaburi, Thailand.	122

**OTHER EVENTS**

Name	Year	Title of Event	Date / Venue	Prize won
A.Sanjay Kumar M.Senthil Murugan K.Karthick	IV	Presented Project titled “EEG BASED BRAIN CONTROLLED KEYPAD AND DEVICES at MECHPRO 2k'18, State Level Project Contest Organized by Dept of Mechanical Engineering.	03.04.2018 / K.L.N.C.E, Pottapalayam	II

**PLACED STUDENTS**

Student Name	Date	Company Name
Sivaasini .A Meenaloshini E N K.S.Vignesh	19.04.2018	Four Bends



**Dr.S.Subha, AP(Sr.Gr)** have Completed Ph.D and awarded degree on 18.06.2018

## FACULTY DEVELOPMENT PROGRAMS/SHORT TERM COURSES ORGANIZED IN OUR COLLEGE

Date	Topic / Title	Resource Persons	No. of Participants
04.06.2018 to 06.06.2018	Pre-requisite courses for Micro Processor	Mr.R.Mohan kumar ,ASP Ms.L.Meenakshi,AP(Sr.Gr) Ms.S.Indumathi,AP	21
	Pre-requisite courses for DSP	Dr.V.Kejalakshmi,Prof & Head Dr.S.Subha, AP(Sr.Gr) Ms.R.Thilagavathi,AP(Sr.Gr)	
21.05.2018 to 23.05.2018	Arduino Training	Ms.S.Indumathi,AP	20
24.05.2018 to 26.05.2018			30
28.05.2018 to 31.05.2018	Python	Mr.Rajendran,Silicon Software solutions,Madurai	27
14.05.2018 to 28.05.2018	Gate coaching class	Mr.P.Pandian,Alpha Beta solutions, Madurai	40



Gate coaching class for the III year students



## ACHIEVEMENTS OF STAFF RECOGNITION / HONOURS

Staff Name	Seminar / Workshop / Course Attended	Date / Place
Dr .P.Karpagavalli,ASP Dr .S.Subha,AP(Sr.Gr)	Completed Ph.D and awarded degree	June 2018/ Anna University, Chennai.
Mr.S.R.Naresh,ASP	Certificate of appreciation for being the organizer for the DRISHTI online contest from Director University Program -LIC	May 2018/ Texas Instruments, Bangalore.



**Dr.P.Karpagavalli,ASP** have Completed Ph.D and awarded degree on 18.06.2018

## STUDENTS INPLANT TRAINING

Name	Year	Title of Linkage	Industry Name	Date
B.Meenakshi B.Madshumitha T.K.Santhosh Kumar J.U. Santhosh R.Ramkumar A.Suraj V.srivathsan N.S.Sree vathssa B.Sanjay M.Aruna S.Mathumala V.Akash C.Ishwarya	I	Introduction,MDF, Power plant, Broadband, Transmision	BSNL, Madurai	18.06.2018 to 22.06.2018
T.S.Punitha Koushika chithu sekar Kushaleshwari .L.C J.K Ajitha	II	Television broad casting & making process	Doordarshan kendra,Madurai	11.06.2018 to 15.06.2018
I.Santhya S.Sandiya C.R.Arati T.S.P. Sahitya Sonali		MATLAB	Eminent Technology, Madurai.	05.06.2018 to 20.06.2018
P.Rama selvi K.H.Umamaheswari R.S.Varsha	IV	Rail Networking	Rail net software solutions, Madurai.	11.06.2018 to 15.06.2018

## OTHER ACTIVITIES

1. ECE students (II, III and IV Year) Participated in **SPOKEN TUTORIAL, IIT BOMBAY** funded by National Mission on Education through ICT, MHRD, Govt of India.
2. ECE faculties attended **NPTEL online courses**.
3. Three students S.Aarthy,R.Ishwarya Lakshmi,B.Monisha Devi from III year have received **MSP430 launch pad** as appreciation from Texas Instrument.

**GUEST LECTURE / FDP / SDP ATTENDED BY STAFF**

Staff Name	Seminar / Workshop / Course Attended	Date / Venue
Ms.S.Indumathy,AP2	INUP Hands on training on “Nanofabrication Technologies”	03.04.2018 to 13.04.2018 / IISc,Bangalore
Mr.V.Muthu Ganesh, AP(Sr.Gr) Mr.P.S.Kumaresh,AP(SGL) Mrs.T.R.Muthu, AP(Sr.Gr) Mr.A.Anandan,AP2	Pedagogical Innovations and Best Practices for Skill Based Academic Leadership	07.05.2018 to 12.05.2018 / K.L.N.C.I.T.
Dr.S.Murugan,Prof	AICTE-ISTE sponsored Induction Programme on “ICT based instructional design and delivery for Outcome based Education”	14.05.2018 to 19.05.2018 / Easwari Engineering College
Mrs.M.Amudha AP(Sr.Gr) Mr.D.Anand,AP2 Mrs.R.Pavithra,AP2	CAD Tools With FPGA Boards	21.05.2018 to 25.05.2018 / Mepco Schlenk Engineering College.
Dr.N.Janakiraman,Prof	Industrial relation, Make in India & Skill India: Issues and challenges	27.05.2018 to 31.05.2018 IIT , Kharagpur.
Mr.S.C.Sivaprakash, Prof	CAD of Microwave Integrated Circuits	09.06.2018 and 10.06.2018 NIT, Trichy.

**PROJECT PROPOSAL AWARDED**

Staff and Student Name	Project Proposal Submitted	Funding Agency	Date
Dr.S.Murugan,Prof R.Bhuvanesh Babu K.V.Ajay pradeep	Design and Implementation of TTC Antenna for Mini satellites (Rs. 39,000)	The Institution of Engineers (India) R&D Grant in Aid Scheme	21.05.2018
Mr.S.Selvakumar,AP2 Akash.V Abishek.M Harish Kumar.S.S	IEI R and D Grant in AID Scheme - Wireless Public Addressing system using nRF24L01+. (Rs. 33,900)	The Institution of Engineers (India) R&D Grant in Aid Scheme	

**PROJECT PROPOSAL SUBMITTED**

Staff Name	Project Proposal Submitted	Date
Dr.N.Janakiraman,Prof	Department of Science and Technology Rand D Grant – Mental health analysis based on ECoG Scale of performance status	28.05.2018
Mr.S.Ravisankar,AP2	Department of Science and Technology Rand D Grants – CAD-based maxillary sinusitis	27.05.2018
Mr.A.Yusuf khan,AP2	Department of Science and Technology Rand D Grants – Atmospheric Science Level I and II	14.06.2018

**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING****PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNAL**

Staff Name	Title of the Paper	Journal
Mrs.S.S.Sarmila,AP	Smart waste management:Garbage monitoring using IoT special issue, April 2018 ISSN: 2348 – 8387, pp-24-29	Internal Journal of Computer Science and Engineering (SSRG-IJCSE)
Dr.R. Delshi Howsalya Devi, AP	An Erasure coded data in an azure storage using Machine Learning Algorithm. special issue, April 2018 ISSN: 2348 – 8387,pp-245 -248	
Dr.S.Miruna Joe Amali, Prof Ms.S.Brindha,AP	Evaluating & Reporting Web Application Security Using Automated Scanning Framework	Journal of Applied Science and Computation ISSN no:0076-5131
Dr.S.Miruna Joe Amali, Prof Dr.M.Raghini,Ap(Sr.Gr) Mrs.G.Rajeswari,AP Ms.S.Brindha,AP	Optimized Energy Efficient Clustering and Secure Communication in WSN	
Dr.S.Miruna Joe Amali, Prof Dr.M.Raghini A.P(Sr.Gr) Ms.S.Brindha,AP	Trusted and energy efficient clustering for secure communication in wireless sensor network	



## PUBLICATIONS IN INTERNATIONAL / NATIONAL CONFERENCE

Staff Name	Title of the Paper	Conference
Mrs.P.Jeya durga,AP	Smart Home Energy Management System (HEMS) Using IoT	11.05.2018 & 12.05.2018 / International Conference on Innovations in Engineering and Industrial Applications / KLNCE
Dr.S.Miruna Joe Amali, Prof Ms.S.Brindha,AP	Evaluating & Reporting Web Application Security Using Automated Scanning Framework	
Dr.P.R.Vijayalakshmi,Prof Mr.P.Prem kumar,ASP	Secure and efficient deduplication of Encrypted data in cloud storage	
Dr.M Raghini,AP(Sr.Gr) Ms.S Brindha,AP	Smart Home Interaction using Augmented Reality with Internet of Things	
Dr.M.Raghini,AP(Sr.Gr) Mr.D.Prabhu,AP	Optimized Energy Efficient Clustering and Secure Communication in WSN	
Dr.M.Raghini,AP(Sr.Gr) Dr.S.Miruna Joe Amali, Prof	Attribute Based Encryption	
Dr.S.Miruna Joe Amali, Prof	Locating Tamper in Hyper Spectral Images Using Enhanced Maximal Entropy Random Walk Technique	
Dr.M.Raghini,AP(Sr.Gr) Dr.S.Miruna Joe Amali,Prof	Survey Paper: Data Storage Surveillance in Cloud Computing	
Dr.M.Raghini ,AP(Sr.Gr) Dr.S.Miruna Joe Amali, Prof	Indoor Map Generation Using Beacons In IoT System	
Mrs.T.R.Vedhavathy,ASP	Cloud Computing Security Issues and Challenges	
Dr.S.Miruna Joe Amali,Prof	Prediction and report visualization for Health care using data analytics	
Mr.B.M.Nagarajan,AP	Web based Humanoid Rescue Robot	
Mrs.T.R.Vedhavathy,ASP	Portable Camera Based Assistive Text Reading for Typhlotic Person	
Dr.S.Miruna Joe Amali,Prof Ms.S Brindha,AP	Multi-objective optimization using Evolutionary Methods: A Quick -start Guide	
Dr.S.Miruna Joe Amali,Prof Mrs.R.Kirubahari,AP	A technical overview on preprocessing methods for web usage mining	
Mrs.G.Rajeswari,AP Dr.M.Raghini ,AP(Sr.Gr)	Optimization of Cluster-Chain Mobile Agent Routing Algorithm	
Dr.M.Raghini,AP(Sr.Gr) Ms.S Brindha,AP	Time Variant Intrusion Detection system for Manets	
Mrs.S.S.Sarmila,AP	Smart waste management:Garbage monitoring using IoT	05.04.2018 & 06.04.2018 / International Conference on Emerging Trends in Engineering, Science and Sustainable Technology

## PUBLICATION OF BOOKS

Staff Name	Title of the Book	Publication
Dr.S.Miruna Joe Amali, Professor	Evolution of Fog Computing and its role in IoT Application	IJ GLOBAL

## FACULTY DEVELOPMENT PROGRAMS/SHORT TERM COURSES ORGANIZED IN OUR COLLEGE

Date	Topic / Title	Resource Persons	No. of Participants / Co-ordinators
23.04.2018- 29.04.2018	AICTE-ISTE Sponsored one week training in creative learning and innovative teaching methodologies	Ms.Sree Vidya Janani,AP/CSE AUR Campus,Madurai Mrs.Padmavathy,Professor/IT.TCE,Madurai	29 / Dr.V.Akilandeswari, AP(Sr.Gr) Mrs.S.VenkataLakshmi,AP2

## ORGANIZING SEMINARS/ CONFERENCES / WORKSHOPS

Date	Topic / Title	Resource Persons	No. of Participants
20.06.2018 to 22.06.2018	SDP on Photoshop Basics	Mr.S.Balamurugan, AP (Sr.Gr) / EIE, Mr.P.GaneshBabu, AP/MCA Mr.N.R.Balamurugan, LA / CSE.	22
26.04.2018	AWS Cloud Computing Architect	Mr.Vishram, AWS Trainer,Pune	16
05.04.2018	Entrepreneurship Placement - “Project in a Box”	Executive Members from The Indus Entrepreneurs, Chennai	64

## QUALITY IMPROVEMENT PROGRAMS

Staff Name	Seminar / Workshop / Course Attended	Date / Venue
Mrs.V.Karpagam,AP Mrs.K.Arunasakthi,AP	Research based Statistical, Analytical and Data Modeling Tools	26.04.2018 to 28.04.2018/ TCE,Madurai
Mrs.T.R.Vedavathy,ASP Mrs.Kirubahari R, AP2 Mrs.JeyaDurga P, AP2	AICTE-ISTE Sponsored 6 days induction program on "pedagogical innovations and best practices for skill based academic leadership"	07.05.2018 to 12.05.2018/ KLNCIT
Mr.D.Pravin kumar,ASP Mr.P.Premkumar,ASP Mr.J.Sulthanalikhan,AP	AICTE-ISTE Sponsored one week training in creative learning and innovative teaching methodologies	23.04.2018 to 29.04.2018 / KLNCE

## STUDENTS PARTICIPATION IN NATIONAL CONFERENCES TECHNICAL SYMPOSIUMS AND OTHER EVENTS

Name	Year	Title of Event	Venue	Prize Won
Ms.S. Meenakshi Ms.J. H. Madhumitha Ms.K. G. Pavithra Ms.A. H. Srija Ms.V. Preetha	III	IPC SEED Fund for student Innovation	KLNCE	Rs.15,000/-
Ms.Kiruthika N. S Ms.Nisha N Ms.Parveena C				Rs.12,000/-
Ms.N. B. Harshini Ms.S. R. Ishwarya Ms.C. R. Arati				Rs.10,000/-

## STUDENTS PLACEMENTS

Student Name	Company Name
Ms.Shwetha rani P Mr.Santhosh M Ms.Srija A H Ms.Gomathy M Ms.Ambika P H Mr.Ajey Chandhan K B Ms.Ragavi M Ms.Pavithra K G Ms.Nisha N Mr.Nantha Kumar R Ms.Aishwarya M K Ms.Shanmugi B P Ms.Nivetha C B	ARICENT

## ACHIEVEMENTS OF STAFF / RECOGNITION / HONOURS

Student Name	Achievements / Recognition / Honours	Place
Dr.M.Raghini, AP(Sr.Gr) Dr.S.Miruna Joe Amali,Prof	Research Excellence Award 2018	IEAE



## OTHER ACTIVITIES

1. Mrs.B.Buvaneswari,ASP/CSE,Mrs.S.Sarmila,AP/CSE.Mr.D.PravinKumar,AP/CSE, Mrs.R.Lakshmi, ASP/CSE has attended the training on “Air Traffic Control” at Airport Authority of India, Madurai on 19.06.2018 to 21.06.2018

## DEPARTMENT OF AUTOMOBILE ENGINEERING

### PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNAL

Staff Name	Title of the Paper	Journal
Mr. R. Sundar, AP	Analyzing the Performance of Lean Manufacturing Implementation with Chronological Execution of Lean Elements Using Spread Sheet Features: A Case Study	International Journal of Productivity and Quality Management. (Annexure – I) Inderscience Publishers
Mr. R.V. Suresh Babu, ASP	Reduction of flow detachment on car model	Journal of applied science and computations, June-2018
Mr. L. Vivek Krishna Kumar, AP(Sr.Gr.)	Fabrication of Automated Vehicle for removal of Oil Spillage from Water	
Dr.J.Rajesh Babu, ASP Mr. L. Vivek Krishna Kumar, AP(Sr.Gr.)	Performance and Emission Measurement of Single Cylinder Diesel Engine Using Bitter Gourd oil and Diesel Blend	
Mr. S.Suresh, AP, (SG)	Optimization of process parameters of pulsed current tig welding for hardness of dss joints.	International Journal of Engineering Research and Technology, March-2018
Mr.P.Karthik Selvan, AP	Performance analysis on PCCI Engines with Dual Mode Condition	
	Theoretical Investigation of Ammonia as a Secondary Fuel for IC Engines	

### FACULTY DEVELOPMENT PROGRAMS/SHORT TERM COURSES ORGANIZED IN OUR COLLEGE

Date	Topic / Title	Resource Persons	No. of Participants / Co-ordinators
06.06.18 to 12.06.18	Seven Days FDTP on “Me6503-Design of Machine Elements” approved by Anna University, Chennai.	Dr. V.Balasubramani, AP/Mech, TCE, Madurai. Dr. G.Manikandan, Prof & Head/Mech Velammal College of Engineering and Technology, Madurai.	20/ Dr.R.M. Satheesh kumar, Prof & Head Mr. G.S. Santha Venkatesh, AP

### QUALITY IMPROVEMENT PROGRAMS

Staff Name	Seminar / Workshop / Course Attended	Date / Venue
Mr.L.Vivekkrishnakumar, AP(Sr.Gr.) Mr.S.Mohamed Jameen, AP Mr.P.Karthik Selvan, AP	Seven Days FDTP on “ME6503-Design of Machine Elements” approved by Anna University, Chennai.	06.06.2018 to 12.06.2018 / KLNCE
Mr.R.V.Suresh Babu, ASP	Seven Days FDTP on "Teaching and Research with Technology"	25.06.2018 to 30.06.2018 / Institute of Road and Transport Technology, Erode.
Dr.R.M. Satheesh kumar, Prof & Head	Knowledge Transfer to Industry -"5S surprise audit and QC Evaluation".	26.06.2018 to 27.06.2018 / Jayalakshmi Textiles Pvt Ltd., Aruppukottai.
	Judge for the application of Quality tools in Industrial Problems- Kaizen Mela	29.06.2018/Quality Circle Forum of India, Madurai Chapter @ Madurai.
Dr.J.Rajesh Babu, ASP Mr.S.Suresh, AP(SG) Mr.L.Vivek Krishnakumar, AP(Sr.Gr.) Mr. G.S. Santha Venkatesh, AP Mr.S.Mohamed Jameen, AP Mr.P.Karthik Selvan, AP	NPTEL online course	Jan-April 2018

### OTHER EVENTS

Name	Year	Title of Event	Date / Venue	Prize won
S. Navaneetha Krishnan S. Arun Prakash S. Sri Ram Prabu	IV	State Level Students Project Contest- “MECHPRO 2K'18”- Design and Fabrication of Conference Trike	03.04.2018 / KLNCE	I

## ACHIEVEMENTS OF STAFF RECOGNITION / HONOURS

Staff Name	Seminar / Workshop / Course Attended	Date
Mr. G.S. Santha Venkatesh, AP	Achieved Topper and Elite Gold in NPTEL Course on " Theory and Practice of Non Destructive Testing"	Jan-April 2018
Mr.S.Mohamed Jameen, AP	Achieved Topper and Elite in NPTEL Course on " Theory and Practice of Non Destructive Testing"	

## INDUSTRIAL VISITS

Staff Name	Date	Industry Visited
Dr.R.M.Satheesh Kumar, Prof & Head Er.G.S.Santha Venkatesh,AP Er.R.V.Suresh Babu, ASP Er.N.Rajkumar, ASP Er.L.VivekKrishna Kumar, AP(Sr.Gr.) Er.S.Mohammed Jammen,AP Er.P.Karthik Selvan, AP	09.06.18	Dharani Rubber Industries, SIPCOT, Nillakottai.



"5S surprise audit and QC Evaluation" at Jayalakshmi Textiles Pvt Ltd., Aruppukottai.

## DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

### PUBLICATIONS IN JOURNAL / CONFERENCE

Staff Name	Title of the Paper	Conference
Prof.S.Nagammai,HOD	Deign of Smith Predictor Controller for a Non Linear FOPDT Process	KLNCE / 11.05.2018 / ICIEIA'18
Dr.A.Umarani,Prof	DC-DC Converter with Photovoltaic Cell for DC Power Distribution	
Mrs.K.Dhanalakshmi,AP	Design of Internal Model Controller for CSTR Process	
Mrs.N.Vishnu Devi,AP	Automatic Infant Warmer	
Mr.N.S.Srinivasan, AP	Stand Alone Wind System with Vanadium Battery Energy Storage	

### SHORT TERM COURSES ORGANIZED BY THE DEPARTMENT

Name of the Co-ordinator	Topic / Title	Date / Location	Resource Persons
Mrs.K.Dhanalakshmi, AP2 Mrs. R.Thenmozhi, AP2	"PROJECT EXPO 2K18"	10.04.2018 / System Design Lab	Mr.R.Karthikeyan, Project Developer, Honeywell Technologies & Solutions

### STUDENTS INPLANT TRAINING

Date	Title / Topic	No. of Participants	Name of the Co-ordinator	Resource Person
20.04.2018	Guest Lecture on "Interview tips & scopes in other fields"	40 Students (III & II Year )	Prof.S.Nagammai, HOD	R.Sabarimani, Windows Administrator ,TCS
02.04.2018	Softskill Training Programme		V.Aravinda Rajan,AP	Mr.Thanikaivel Pandian, Director Vision 20 Plus, Sivakasi.

### GUEST LECTURE / FDP / SDP ATTENDED BY STAFF

Staff Name	Seminar / Workshop / Course Attended	Date / Venue
Dr.A.Umarani,Prof	Communication device and Wireless Communication used in aircraft	19.06.18-21.06.18/Airport Authority of India Madurai.
	Fabrication of PV cell	12.06.18-14.06.18/Solaris Green Power Limited Virudhunagar.
Dr.D.Pradeep Kannan, Prof Mr.P.Ravikumar, ASP	Programming concept of centum VP DCS.	12.06.18-13.06.18/Yokogawa India Ltd, Bangalore.



## DEPARTMENT OF INFORMATION TECHNOLOGY

### PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNAL

Staff Name	Title of the Paper	Journal
Dr. R. Alageswaran, HOD	Efficient Cloud Based Real Time Water Quality Monitoring System Using Internet of Things	Journal of Applied Science and Computations, ISSN NO 0076-5131, June 2018
Dr.G.Ramesh, Prof.	Image Plagiarism Prevention Using Steganography And Encryption	International Journal of Engineering and Techniques, April-May 2018
	An Optimal Distributed Routing and Wavelength Assignment in Fault Tolerant Optical WDM network	International Journal of Electronics Communication and Computer Engineering, ISSN (Online):2249-071X, ISSN (Print):2278-4209, April 2018.
	Secure Deduplication with Encrypted Data for Cloud Storage	International Journal of Advanced Research in Innovative Discoveries in Engineering and Applications, April-2018.
Dr.P.GaneshKumar, Prof.	Performance and analysis of Trans multiplexers using Decimator and Interpolator	Journal of Circuits, systems and Computers, Vol.28, No.1, Jan 2019. . ISSN: 0218-1266 (Print): ISSN: 1793-6454 (Online)). Accepted for Publication. Jun - 2018
Mrs.J.S.Kanchana, ASP	Relevant Response Gathering in Social Forum using RapidMiner	International Journal of Advanced Research in Innovative Discoveries in Engineering and Applications, ISSN (Print):2456-8805. April 2018.
	Stress Detection Using Classification Algorithm	International Journal of Research & Technology, ISSN(Print):2278-0181, April 2018
	Travel Route Recommendation Using GA Optimization	International Journal of Engineering and Techniques, ISSN(Print):2395-1303, April 2018

### PUBLICATIONS IN INTERNATIONAL / NATIONAL CONFERENCE

Staff Name	Title of the Paper	Conference
Dr. R. Alageswaran, HOD	Luggage Tracking using RFID and IoT in Airport	ICIEIA-2018, K.L.N.C.E, May - 2018
Dr. G. Ramesh, Prof.	An Efficient Privacy Preserving Authentication with Pairwise Key Generation In VANET Environment	
Mr. S. Ilangoan, ASP	A Relief F Based Hybrid Feature Selection For High Dimensional Dataset	
Mrs.C.Manjula Devi, AP	Voice Recognition mine detection robot	SERB and DST sponsored, Viswajyothi college of engineering and technology, April 2018

### QUALITY IMPROVEMENT PROGRAMS

Staff Name	Seminar / Workshop / Course Attended	Date / Venue
Mr.S.Ramesh, ASP	Problem Solving and Python Programming	18.06.2018 to 24.06.2018/ Centre for Faculty Development, AU, Chennai. PSNA College of Engineering, Dindigul.
Mr. L. R. J. Karthik, AP	Cs6501 – Internet Programming	22.05.2018 to 28.05.2018/ University of Engineering, Dindigul.
Mrs. C. Manjula Devi, AP Mrs.S.Padma Priya, AP	Pedagogical Initiatives in Outcome Based Education	18.06.2018 to 23.06.2018/ Kamaraj College of Engineering and Technology, Virudhunagar.

**Dr.J.S.Kanchana, ASP/IT has completed Ph.D on 26.06.2018.**



A guest lecture on “Digital Marketing”

**EVENTS ORGANIZED BY THE DEPARTMENT**

Staff Name	Topic / Title	Resource Persons	Date
Dr.R.Alageswaran, HoD	Hands on Workshop on “Data Analytics Tool”	Dr.Nipat Jongsawat, Dean, Rajamangala University of Technology,Thanyaburi, Thailand.	12.05.2018
Mr.L.R.J.Karthik, AP	A guest lecture on”Basic Electrical Electronics and Measurement Engineering”	Mr.D.Mariappan, AP/EEE,KCET	09.04.2018
Mr.J.Gautam,AP Mr.J.Karthikeyan, AP Mrs.S.Padmapriya, AP	A guest lecture on “Digital Marketing”	Mr.A.P.Rakesh,Digital Marketing Manager, Cosmo Granites Pvt Ltd, Chennai.	30.06.2018

**DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS****QUALITY IMPROVEMENT PROGRAMS**

Staff Name	Seminar / Workshop / Course Attended	Date / Venue
Mrs.R.Kiruthika AP	7 Days Anna University sponsored FDTP on “Problem Solving and Python Programming”	18.06.2018 to 24.06.2018 / Fatima Michael College of Engineering & Technology
Dr.A.Kannan Prof. Mr.R.Somas Kandan, ASP Mrs.B.Subashini AP	A Hands on Training Programme on Devices and Tools of Internet of Things and its Real-time Applications	25.06.2018 to 30.06.2018 / P.S.N.A.College of Engineering and Technology, Dindigul.
Mrs.R.Uma Maheswari, AP(Sr.Gr)	AICTE-ISTE Sponsored SIX DAY Induction Programme on “Pedagogical Innovations and Best Practices for Skill Based Academic Leadership”	07.05.2018 to 12.05.2018 / K.L.N.C.I.T
Mrs.M.S.C.Sujitha AP	Attended industrial training at Madurai Airport	19.06.2018 to 21.06.2018 / Airport, Madurai.

**JOURNAL PUBLICATION BY STAFF**

Staff Name	Topic / Title	Date	Name of the Journal
Mrs.R.Uma Maheswari, AP(Sr.Gr.)	“Heuristic-based time-aware multi-criteria test case prioritisation technique”	10.04.2018	Int. J. Information Systems and Change Management, Vol. 9, No. 4, 2017 (Anna University annexure -I)

**SHORT TERM COURSE / SEMINAR / SYMPOSIUM ORGANIZED BY THE DEPARTMENT**

Date	Title	Details of resource person	No. of Participants
25.06.2018 to 27.06.2018	Workshop on J2EE	Mr.Eswaran from Live Stream Technologies	36
28.06.2018 to 30.06.2018	Three days placement training program for ARICENT campus drive	Resource person from Six Phrase	16

**ACHIEVEMENTS OF STAFF RECOGNITION / HONOURS**

Staff Name	Seminar / Workshop / Course Attended	Date
Mrs.R.Uma Maheswari, AP(Sr.Gr)	Course Topper(top 2%) in NPTEL Certification Course on "Programming ,Data Structures and Algorithms using C" during	April 2018
Dr.N.Ravia Shabnam Parveen,AP(SG)	Got Elite Certification in NPTEL Course on Problem Solving through Programming in C	
Dr.A.Kannan, Prof.	Got NPTEL Certification on Programming in Data Structures and Algorithms using Python	
Mr.P.Ganesh Babu, AP	Got NPTEL Certification on Database Management System	
Mr.R.Somas Kandan, ASP	Got Elite Certification in NPTEL Course on Database Management System	
Dr.A.Kannan, Prof.	Acted as Resourced Person and delivered a lecture on "Improving Class Room Climate" for the faculty members of various colleges on AICTE-ISTE Sponsored One Week Training in Creative Learning and Innovative Teaching Methodologies"	23.04.2018 to 29.04.2018

## DEPARTMENT OF MANAGEMENT STUDIES

### QUALITY IMPROVEMENT PROGRAMS

Staff Name	Research and Consultancy Work	Date / Venue
Dr.T.Jothimurugan, Director Mr.B.Palanivelrajan, AP(SG) Mr.T.C.Suriyanarayana Prabhu, AP(SG) Mr.K.S.Hariharan,AP(Sr.Gr)	Soft skills training for the India post officials  Training Programme on Marketing and CRM for Marketing Officials of India Post, Tamilnadu.	02.05.2018 To 11.05.2018 / Postal Training Centre, Perungudi, Madurai.  30.05.2018 / Postal Training Centre, Perungudi, Madurai.

## DEPARTMENT OF MATHEMATICS

### PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNAL

Staff Name	Title of the Paper	Journal
Dr.R.Selvarani,ASP	Signed Knot Algebras	Global Journal of Pure and Applied Mathematics
	Knot Matrix	Intern.J.Fuzzy Mathematical Archive
Dr.S.Sabarinathan, AP (Sr.Gr)	A Note On Z-Algebra	Italian Journal of Pure and Applied Mathematics
	BiPolar Valid Q-Fuzzy Application in Building Science	International journal of Civil Engineering and technology
Dr.M.Devarajan,Prof.	Parameter Estimation for parallel Communication Graph Grammar	Journal for Advanced Research in Applied Sciences
	Properties of NLC Languages Squeezed with Folded Cube Graphs.	
Mrs.V.Vijayalakshmi,AP	Path Optimazation Study for Hypercube Graph based on Grammar.	

### FACULTY DEVELOPMENT PROGRAMS/SHORT TERM COURSES ORGANIZED IN OUR COLLEGE

Date	Topic / Title	No. of Participants / Co-ordinators
December to April	NPTEL (Online Course Certificate Exams)	Dr..R.Selvarani,ASP , R.Kalai Selvi,AP , G.B.Kannan,AP, J.Meenakamatchi,AP , V.Vijayalakshmi,AP , P.Ganesh babu,AP

## DEPARTMENT OF PHYSICS

### PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNAL

Staff Name	Title of the Paper	Journal
Dr. N.R. Ramanujam,ASP	Photonic crystal with epsilon negative and double negative materials as an optical sensor	Optical and Quantum Electronics, May 2018 (Annexure I)
	Enhanced Sensitivity of cancer cell using one dimensional nano composite material coated photonic crystal	Microsystem Technologies, May 2018 (Annexure I)
	Extension of energy band gap in ternary photonic crystal using left-handed materials	Superlattices and Microstructures, May 2018 (Annexure I)

### PUBLICATIONS IN INTERNATIONAL CONFERENCE

Staff Name	Title of the Paper	Conference
Dr. N.R. Ramanujam,ASP Dr. V. Revathy,AP	Tuning of photonic band gap based on Nanocomposites Polariton dispersion in copper based nanocomposite superlattice system	ICIEIA' 18, KLNCE, 11 <sup>th</sup> & 12 <sup>th</sup> May 2018

### ACHIEVEMENTS OF STAFF / RECOGNITION / HONOURS

Staff Name	Achievements / Recognition / Honours	Date / Place
Dr. N.R. Ramanujam,ASP	Recognition of the outstanding contributions in Journal Reviewing	May 2018 / Results in Physics, Elsevier

## DEPARTMENT OF CHEMISTRY

### PUBLICATIONS IN INTERNATIONAL / NATIONAL JOURNAL

Staff Name	Title of the Paper	Journal
Mrs.G.J.Deeparani,ASP  T.D. Kishorilal,AP	“Removal of Nickel (II) from their aqueous solution using low cost adsorbents” “FT-IR and Conductivity Studies of biopolymer electrolyte based on gum arabic with ammonium nitrate”	Journal of Applied Science and Computations, Volume 5, Issue 6, June 2018



## LIBRARY (UG)

**01.04.2018 to 30.06.2018 Books and Journals / Magazine Added / Renewed and Total Cost Details**

Item	UG Library	
	Added	Total Cost
Books	4	3,725
Journals / Magazine subscription / Renewal	31	90,830
<b>Total</b>	<b>35</b>	<b>94,555</b>

Item	PG Library	
	Added	Total Cost
Journals / Magazine subscription / Renewal	2	11,500
<b>Total</b>	<b>2</b>	<b>11,500</b>

## GALLERY



Harmonic consultancy at BSNL Madurai



Energy audit at M/S COMBI Colours, Karur



III year student received MSP430 launch pad from Texas Instrument



Hands on Training for BE-EEE-II & III Year students under Texas Instruments University Program in Association with STEPS Knowledge Services, Coimbatore.



Hands-on Workshop on Data Analytics on 12.05.18



7 Days FDTP on "ME6503-Design of Machine Elements" approved by Anna University, Chennai, during 6-12 June 2018



Project Expo 2K18 held on 10.04.2018 at System Design Lab of EIE Department



Mr.Eswaran from Live Stream Technologies handled session on "Workshop on J2EE"



Training for Aricent on campus drive

## 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.

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