

# KLN COLLEGE OF ENGINEERING

ESTD 1994

An Autonomous institution, Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



## YEAR - 2021

### Petal - 1

# Blossoms

## VISION :

TO BECOME A CENTRE OF EXCELLENCE IN TECHNICAL EDUCATION AND RESEARCH IN PRODUCING COMPETENT AND ETHICAL PROFESSIONALS TO THE SOCIETY.

## MISSION :

PROVIDE QUALITY ENGINEERING, TECHNOLOGY AND MANAGEMENT EDUCATION BY ENSURING GLOBAL STANDARD AND RESOURCES THROUGH CONTINUAL QUALITY MANAGEMENT SYSTEM FOR THE DEVELOPMENT OF STUDENTS.

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Mr. P Ravikumar ASP/E&I

## DEPARTMENT OF MECHANICAL ENGINEERING

### Publications in International / National Journal

1. M.Satheeshkumar, M.R.Thansekhar, R.Pandiyarajan,“ Influence of ceramic based nanofluids and inlet header geometry on the thermal performance of wavy microchannel heat sink”, Journal of Ceramic Processing Research (KCI, Scopus & SCI Indexed, Impact Factor – 0.636).
2. G. Venkatesan, V. Vignesh, K.J. Nagarajan, R. Krishnaraj, N. Nagaprasad&K.Vinayagar,“ Extraction and Characterization of Agricultural Discarded SesbaniaAculeata Stem Waste as Potential Alternate for Synthetic Fibers in Polymer composites”, Journal of Natural Fibers (Taylor & Francis, Scopus & SCI Indexed, Impact Factor – 3.507).
3. G.R. Raghav, Suraj.R, Sheeja Janardhanan, VidyaChandran, K.J.nagarajan, NikhilAsok, “ Impact of ground nut shell ash on cobalt -chromium metal matrix composites synthesized using powder metallurgy process”, IOP Conf. Series. Materials Science and Engineering.
4. Sabarish.S, P.Udhayakumar, pandiyarajan R“Additive manufacturing for customized hearing aid parts production: an empirical study”, Journal of the Chinese Institute of Engineers (Taylor & Francis, Scopus Indexed). June 2021

### Publications in International / National Conference

1. **Dr.P.Udhayakumar&Ponsuriyaprakash.S** “Experimental Investigation and Thermal Analysis of ABS/Cellulose Based Polymer Composite Material”, International Conference On New Scientific Creations In Engineering And Technology,NadarSaraswathi college of Engineering and Technology, Theni.19<sup>th</sup> March 2021
2. **Dr.P.Udhayakumar&Ponsuriyaprakash.S** “Synthesis, characterization and production of ABS plastic blended bio Degradable material”, International Conference On innovation in product process and system design , ShriVaishnavVidyapeethvishwavidyalaya, Indore (MP), 5<sup>th</sup>& 6<sup>th</sup>March 2021
3. **Dr. R. Ashokkumar, S Harish Kumar, E Seshabalan& S Santhoshsivan**, “Vortex Blade Less Wind Mill”, International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2021), Francis Xavier Engineering College, Tirunelveli, 31<sup>st</sup>March 2021
4. **Dr. R. Ashokkumar, S.Siddharth, A.Sivabuvaneshwaran&Prathivanan**, “Evaluating the Mechanical properties of banana fibre, luffafibre, sisal fibre and hybrid fibre”, International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2021), Francis Xavier Engineering College, Tirunelveli, 31<sup>st</sup>March 2021

## Quality Improvement Programs

Name of the staff & Designation	Programme	Place	Date
Dr.M.R.Thansekhar, Prof / Mech	Excel fundamental for data analysis at	Coimbatore Institute of Technology, Coimbatore	2 days 13.03.2021 to 14.03.21
Dr.P.Sabarinath, ASP / Mech	Online FDP on Future perspective and challenges of clean energy utilization in India— Phase II	P.S.N.A College of Engineering and Technology, Dindigul	6 days 01.03.2021 - 06.03.2021
Dr.P.Sabarinath, ASP / Mech	ATAL FDP on 3D printing& Design at	PSG College of Technology, Coimbatore	5 days 18.01.2021 - 22.01.2021
Dr.D.SatheeshPandian, ASP / Mech	Online FDP on Inculcating Universal Human Values in Technical Education at AICTE	AICTE, New Delhi	5 days 03.05.2021 to 07.05.2021
Dr.A.Hemalatha, ASP / Mech	Online FDP on Future perspective and challenges of clean energy utilization in India— Phase III	P.S.N.A College of Engineering and Technology, Dindigul	6 days 15.03.2021 to 20.3.2021
Dr. C. Anbumeenakshi, ASP / Mech	Emerging trends in Automation	PeriyarManiammail nstitute of science and Technology, Thanjavur	6 days 24.03.2021 to 30.03.2021
Dr. C. Anbumeenakshi, ASP / Mech	Online FDP on Future perspective and challenges of clean energy utilization in India— Phase I	P.S.N.A College of Engineering and Technology, Dindigul	6 days 01.02.2021 to 06.02.2021
Dr.R.Ashokkumar, AP(SG)/Mech	Make in India: Through 3D printing and Industry 4.0 for Indian Industries Phase I	Kamaraj College of Engineering and Technology, Virudhunagar	6 days 01.02.2021 to 06.02.2021
Mr.E.V.Ganeshbabu, Asst. Prof/Mech	Productive tools in AUTOCAD	ICT Academy	5 days 22.02. 2021 to 26.02.2021

### NPTEL Online Certification Courses (Staff)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award
Dr.P.Udhayakumar, Prof & Head / Mech	Product design and manufacturing	Jan-Apr 2021	IIT Madras	Elite & Silver
Dr.P.Udhayakumar, Prof & Head / Mech	Design practice	Feb-Apr 2021	IIT Madras	Elite & Silver
Dr. A.N. Balaji, Prof / Mech	Product design and manufacturing	Jan-Apr 2021	IIT Madras	Elite & Silver
Dr.P.Sabarinath, ASP/Mech	Manufacturing processes-Casting and Joining	Jan-Feb 2021	IIT,Kanpur	Elite & Silver
Dr.D.Satheeshpandian, ASP/Mech	Mechatronics	Jan –March 2021	IIT Roorke	Elite
Dr.A.Hemalatha, ASP/Mech	Principles of management	Jan-Apr 2021	IIT Madras	Elite & Silver
Dr. C. Anbumeenakshi, ASP/Mech	Experimental methods in fluid mechanics	Jan-Apr 2021	IIT Guwahati	Elite
Dr.R.Ashokkumar, AP(SG)/Mech	Manufacturing processes-Casting and Joining	Jan-Feb 2021	IIT,Kanpur	Elite & Gold
Mr.E.V.Ganeshbabu, AP/Mech	Mechatronics	Jan –March 2021	IIT Roorke	Successfully completed
Mr.T.LVijaykumar, AP/Mech	Manufacturing processes-Casting and Joining	Jan-Feb 2021	IIT,Kanpur	Elite & Silver
Mrs.B.Devi, AP/Mech	Manufacturing processes-Casting and Joining	Jan-Feb 2021	IIT,Kanpur	Elite

### Short Term Courses / Seminars / Conferences / Workshops / Symposium Organized

Date	Topic / Title	Details of Resource persons	Number of participants	Co-ordinator
09.03.2021	Competency Development Program on Refrigeration and Air conditioning	Mr.K.A.KajaMonideen, Gulf Technical Institute, Madurai.	53 students	Mr.E.V.Ganeshbabu Dr.R.Pandiarajan

**Students Participation in National Conferences / Symposium and other Events / Sports Activites**

Name of the student	Year	Title of the event	Venue / Date	Prize won
G.Anitha Rani	II	World Water Day- Paper Presentation on “Valuing Water” organized by	The Institution of Engineers (India), Madurai Local Centre / 22.03.2021	1 <sup>st</sup> Place
V.K.SankaraNarayanan	II			3 <sup>rd</sup> Place
K.Santhosh	II			3 <sup>rd</sup> Place
S.Harish Kumar	IV	Vortex Blade Less Wind Mill, International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2021)	Francis Xavier Engineering College, Tirunelveli / 31.03.2021	
S.Santhosh Sivan	IV			
E.Seshabalan	IV			
N.Maruthasankar	IV	STTP on Intellectual property rights and patent process	Hindustan College of Engineering and Technology / 22 & 23 Jan 2021	

**NPTEL Online Certification Courses (Student)**

Name of the Student	Year	Course Title	Course duration	Course conducted by	Award
M.Maruthasankar	IV	Design thinking – A Primer	Feb-Mar 2021 (4 week course)	IIT Madras	Successfully completed
K.Santhosh	IV	Manufacturing Processes - Casting and Joining	Jan-Feb 2021 (4 week course)	IIT Kanpur	Successfully completed

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### Publications in International / National Journal :

1. **Dr.S.Manoharan Dr.K.Gnanambal** “The Incremental Loading Factor based Maximum Load ability Limit Prediction using Modern Optimization Tools” Journal of Engineering Research (JER)
2. **M.JeyamuruganR.Jeyapandiprathap**IoTBasedSolarPowerMonitoringAndPrediction Using Cuckoo Optimized LSTM InternationalJournalofP2P Network Trends and Technology, ApprovedJournalon2017
3. **R.Thangasankaran,**”Single-phase front-end modified interleaved Luo power factor correction converter foron-board electric vehicle charger” International Journal of Circuit Theory and Applications-Wiley
4. **M.Jeyamurugan,** AP/EEE & R.Jeyapandiprathap, AP/EEE” Iot Based Solar Power Monitoring And Prediction Using Cuckoo Optimized LSTM” International Journal of P2P Network Trends and Technology.

### Publications in International / National Conference :

1. **Dr.S.M.Kannan,** HOD/EEE “IOT based DC/DC Converter Control: Real-Time Implementation”Virtual Conference on Smart Computing & Advanced Communication(SCAC’21)
2. **Dr.S. Venkatesan,**,Prof./EEE, “Smart Way for Secured Electoral Voting System” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21)
3. **Dr. K. Gnanambal,**,Prof./EEE, Application of Optimization Techniques in Electric Vehicle
4. National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21)
5. **Dr.S.Venkatanarayanan,** Prof./EEE “Energy Audit and Performance Analysis of MSME Industries” Virtual Conference on Smart Computing & Advanced Communication(SCAC’21).
6. **A.Marimuthu,** ASP/EEE, “IoT and Microcontroller based Industrial Monitor” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21)
7. **Dr.M.Jegadeesan,** ASP/EEE, “Novel IoT based Diagnosis and Control System for Forest Disaster” Virtual Conference on Smart Computing & Advanced Communication(SCAC’21)
8. **Dr.M.Jegadeesan,** ASP/EEE, “IoT based Safety Recognition Gloves For Deaf and Dumb” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21).
9. **Dr.C.Vimalarani,** ASP/EEE, “Industrial based Smart Energy Meter using IoT” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21).

10. **S. Manoharan**, AP(Sr.Gr.)/EEE, “Ambulance Tracking and Alert System using IoT” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21)
11. **M.Ganeshkumari**, AP(Sr.Gr.)/EEE, “Smart Actuator for Electrical Appliances Integrated with IoT” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21).
12. **M. Jeyamurugan**, AP(Sr.Gr.)/EEE, “GSM based Smart Auto-Changer Heart Beat Enabled E-Army Jacket using Peltier” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21)
13. **M.Balamurugan**, AP/EEE, “IOT based Robust Method for Pollution Monitoring and Control in Chemical Industry” Virtual Conference on Smart Computing & Advanced Communication(SCAC’21)
14. **T.Gopu**, AP/EEE, “Monitoring and switching of Induction Motor based IOT” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21).
15. **Jeyapandiprathap R**, AP/EEE, “An Efficient Bidirectional DC-DC Charger for Electrical Vehicle using MOSFET” Virtual Conference on Smart Computing & Advanced Communication(SCAC’21)
16. **N.Vimal Radha Vignesh**, AP/EEE, “Design and Controlling of Toxic Gases using Air Capture Technology in Industries” Virtual Conference on Smart Computing & Advanced Communication(SCAC’21)
17. **R.Sridevi**, AP/EEE, “Detection of Fault in Underground Cable through Node MCU – IOT Module” National Web Conference on Challenges and Innovation in Engineering & Technology (NWCCIET21)



**Quality Improvement Programs:**

A.Marimuthu, ASP/EEE	NPTEL-AICTE Faculty Development Programme on "Automatic Control" (Elite+Gold)(Topper5%).	on "Automatic Control" (Elite+Gold)(Topper5%).	(Jan-March2021) [8weekcourse] IIT, Madras.
Dr.S.Manoharan, AP(Sr.Gr.)/EEE	Elite+Silver Certificate earned by Completing NPTEL Online Certification course on "Microprocessor and Interfacing."	on	Jan-April 2021 (12 WeekCourse), IITGuwahati.

**Short term courses/seminar/symposium attended by the Staff:**

Name and Designation of the Staff	Seminar / Workshop / Course Attended	Date / Place
Dr.K.Gnanambal, Prof./EEE	Delivered a lecture titled " Course Outcome Writing and Practices" in the online AICTE-ISTE Induction/Refresher Program on "An Effective Pedagogy Practice"	13.05.2021/ K.L.N. College of Engineering, Sivagangai (Dt).
	Delivered a lecture on " PSO and Grey Wolf Optimization Algorithm to Renewable systems" in the online workshop.	27.02.2021/ Government College ofTechnology,Coimbatore.
Dr.S.Parthasarathy, Prof./EEE	Participated in online programon "EV Technology and Public Chargingstation"	26.5.2021to 28.5.2021/ National Institute of Electronics and Information Technology(NIELIT), Calicut.
	Delivered a lecture on "Energy conservation" under the guidance of PCRA, Chennai.	28.06.2021/ Monarch Industrial Products Pvt, Ltd. Theni
Dr.S. Venkatanarayanan Prof./EEE	Delivered a lecture on "Energy conservation" under the guidance of PCRA, Chennai.	23.06.2021/ Sri Dhanalakshmi Rice & Flour Mill, Virudhunagar.



Name and Designation of the Staff	Seminar / Workshop / Course Attended	Date / Place
Dr.S. Venkatanarayanan Prof./EEE	Delivered a lecture on “Energy conservation” under the guidance of PCRA, Chennai.	19.06.2021/ Elumalayan Fibre Products, Pollachi, Coimbatore.
	Delivered a lecture on “Energy conservation” under the guidance of PCRA, Chennai.	09.06.2021/ Alagappa Chettiar Government College of Engineering & Technology, Karaikudi.
	Delivered a lecture on “Energy conservation” under the guidance of PCRA, Chennai.	02.06.2021/ Vespa Textile Mills, Sivagangai.
	Delivered a lecture on “Energy conservation” under the guidance of PCRA, Chennai.	01.06.2021/ M.S.P. Velayutha Nadar Lakshmithai Ammal Polytechnic College, Tirunelveli.
	Delivered a lecture on “Energy conservation in domestic appliances and energy conservation by solar power plant” under the guidance of PCRA, Chennai.	28.05.2021/ R.V.S. School Of Engineering and Technology, Dindigul.
	Delivered a lecture on “Energy conservation” under the guidance of PCRA, Chennai.	08.05.2021/ PKSEngineering, Madurai.
	Delivered a lecture on “Energy conservation” under the guidance of PCRA, Chennai.	07.05.2021/ M.Kumarasamy College Of Engineering And Technology, Karur.
	Delivered a lecture on “Energy conservation” under the guidance of PCRA, Chennai.	28.04.2021/ Mount Zion College Of Engineering & Technology, Pudukkottai.
	Delivered a lecture on “Energy conservation” under the guidance of PCRA, Chennai.	18.02.2021/ Hamara Tech Tools, Madurai.

Name and Designation of the Staff	Seminar / Workshop / Course Attended	Date / Place
A.Marimuthu, ASP/EEE	Participated in the Webinar on “Io Tin SMARTGRID”	15.4.2021/ Velammal College of Engineering and Technology, Madurai.
Dr.P.Loganthurai, ASP/EEE	Participated in AICTE – ISTE Sponsored Induction / Refresher Programme on “Solar PV System Design Using IoT(Phase – I).”	03.3.2021 to 09.3.2021/ Sri Venkateswara College of Engineering, Sriperumbudur.
	Participated in AICTE Training and Learning(ATAL)Academy Sponsored Online FDP on “Electric Vehicles”.	18.01.2021to22.01.2021/ K.L.N. College of Engineering, Sivagangai (Dt).
Dr.C.Vimalarani, ASP/EEE	Participated in AICTE Sponsored 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education”.	31.5.2021to 04.6.2021/ All India Council for Technical Education Nelson Mandela Marg, VasantKunj, New Delhi.
	Delivered a lecture on “Compensation of losses in Transmission line” in Six Days Faculty Development Program- “New Trends and Challenges in ElectricPowerTransmission”.	12.05.2021/ Velammal College of Engineering & Technology, Madurai.
Dr.S.Manoharan, AP(Sr.Gr.)/EEE	Participated in AICTE Training and Learning (ATAL)Academy Sponsored 5day Online Elementary FDP on “Artificial Intelligence and Green Power Technology”.	14.06.2021to18.06.2021/ Kamla Nehru Institute ofTechnology, Sultanpur.
Dr.S.Manoharan, AP(Sr.Gr.)/EEE	Participated in AICTE Training and Learning(ATAL)AcademySponsored5dayOnlineElementaryFDPon “Current Trends of PowerElectronics Applications inElectricVehicles”.	07.06.2021to11.06.2021/ Government Engineering College, Valsad.

Name and Designation of the Staff	Seminar / Workshop / Course Attended	Date / Place
Dr.M.GaneshKumari, AP(Sr.Gr.)/EEE	Participated in AICTE Training and Learning (ATAL) Academy Sponsored 5day Online Elementary FDP on “IoT & Cyber Security”.	20.06.2021to25.06.2021/ Institute of Engineering &Management, Kolkata.
	ParticipatedinAICTETrainingandLearning(ATAL)Academy Sponsored5 day Online Elementary FDPon “Artificial Intelligence and its Applications”.	07.06.2021to11.06.2021/ Government college of Engineering, Nagpur.
	Participated in AICTE Sponsored Six day Online STTP-Series III on “Effective Teaching Methodologies through Optimistic Modern TeachingAids”.	17.5.2021to 22.5.2021/ K.L.N. College of Engineering, Sivagangai (Dt).
	Participated in the Webinar on “EnergyAuditandManagement”	09.06.2021/ Alagappa Chettiar Government College of Engineering &Technology, Karaikudi.
	Participated in the International Faculty Development Programme on "Challenges in Energy Management for Smart Cities".	07-06-2021 to 11-06-2021/AVIT.
	Participated in 5days COVID relief fund Online Faculty Development Programme on “Recent trends and research perspective on energy and powersystem”.	31.5.2021to 04.6.2021/ PSN College of Engineering and Technology ,Tirunelveli.
M.Jeyamurugan, AP(Sr.Gr.)/EEE	Participated in International Webinar Series on Day1:“Artificial Intelligence Applications in Electricity Markets”,Day2: “Automation using Tinkercada Virtual Platform for Embedded Components Simulation”, Day3:“AdvancesinSolarPower Generation”,Day4:“Probing Experimental Odds inPowerElectronicsResearch”,Day5:“A Wave let Energy Based Intentional Islanding Of Power Systems During Cascaded Events”,Day6:“Awareness on funded project proposals”.	24.5.2021to29.5.2021 Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur,A.P.




Name and Designation of the Staff	Seminar / Workshop / Course Attended	Date / Place
M.Jeyamurugan, AP(Sr.Gr.)/EEE	Participated in Webinar on "Industrial Revolution 4.0 vs Education 4.0 Curtain Raiser".	22.5.2021/ Francis Xavier Engineering College, Tirunelveli.
	Participated in Webinar on "Universal Human Values".	18.5.2021/ RVS College of Engineering & Technology, Coimbatore.
	Participated in National Webinar on the topic " FPGA Architecture and its Applications".	13.5.2021/ Surya Engineering College, Erode.
M. Balamurugan, AP/EEE	Participated in AICTE Sponsored one week online Short Term Training Programme (STTP) on "Future Perspective and Challenges of Clean Energy Utilization in India".	15.03.2021 to 20.03.2021/ PSNA College of Engineering and Technology, Dindigul
	Participated in AICTE Sponsored Six days STTP (online) on "Exploring Real world applications of Block chain Technology with Machine Learning Models (Series-I)".	22.02.2021 to 27.02.2021/ K.L.N. College of Engineering, Sivagangai (Dt).
T.Gopu, AP/EEE	Participated in the Webinar on "Art of Writing and Publishing Effective Research Paper in Journals and Conferences".	27.6.2021/ Sethu Institute of Technology, Kariapatti.
	Participated in the AICTE-ISTE Induction/Refresher Program on "An Effective Pedagogy Practice".	03.3.2021 to 09.3.2021/ K.L.N. College of Engineering, Sivagangai (Dt).
R.Jeyapandiprathap, AP/EEE	Participated in the webinar on "Energy Audit and Management".	09.06.2021/ Government College of Engineering & Technology, Karaikudi.
	Participated in International Faculty Development Programme on "Challenges in Energy Management for Smart Cities".	07.06.2021 to 11.06.2021/AVIT.

Name and Designation of the Staff	Seminar / Workshop / Course Attended	Date / Place
R..Jeyapandiprathap, AP/EEE	Participated in Online Anna University sponsored six-day Faculty Development Programme on “EC 8553-Discrete Time Signal Processing” .	31.05.2021to05.06.2021/ K.L.N. College of Engineering, Sivagangai (Dt).
	Participated in the Webinar on “Industrial Automation” .	25.5.2021/ Francis Xavier Engineering College, Tirunelveli.
	Participated in National Webinar on “Automation using Tin kercada Virtual Plat form for Embedded Components Simulation” .	25.5.2021/ Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur,A.P.
	Participated in Webinar on “Industrial Revolution4.0 vs Education 4.0 Curtain Raiser” .	22.5.2021/ Francis Xavier Engineering College, Tirunelveli.
	Participated in the Webinar on “Universal Human Values” .	18.5.2021/ RVS College of Engineering & Technology, Coimbatore.
	Participated in National Webinar on the topic “FPGA Architecture and its Applications” .	13.5.2021/ Surya Engineering College, Erode.
	Participated in the Webinar on “Designing of controller using model order education Techniques”	06.5.2021/ K.Ramakrishnan College of Technology, Trichy.
	Participated in the International Webinar Series “ERUDITE’21 Season 4” using the“ IAD Frame work towards Renewable Energy Deployment and Integration” .	31.03.2021/ St.Joseph’s College of Engineering, Chennai.
	Participated in the AICTE Sponsored Two Week online FDP on “Applications Of Machine Learning & Deep Learning In Electrical Engineering” SERIES-II.	24.5.2021to 05.6.2021/ Kamaraj College ofEngineering and Technology, MaduraiDistrict,



Name and Designation of the Staff	Seminar / Workshop / Course Attended	Date / Place
	Participated in the webinar on "Regulatory Aspects of Electricity in Tamil nadu", an IEEE PES Day 2021 event.	30.4.2021/ K. Ramakrishnan College of Engineering, Tiruchirappalli.
	Participated in the webinar on "Super Capacitor – The Modern Society needs Power".	27.01.2021/ Sethu Institute of Technology, VirudhunagarDt.
	Participated in the AICTE Sponsored two week on line FDP on "Applications of Machine Learning & Deep Learning in Electrical Engineering" Series-I.	18.01.2021to30.01.2021 Kamaraj College of Engineering and Technology, Madurai District.
A.Manoj, AP/EEE	Participated in the AICTE Sponsored two week on line FDP on "Applications of Machine Learning & Deep Learning in Electrical Engineering" Series-I.	18.01.2021to30.01.2021 Kamaraj College of Engineering and Technology, Madurai District.
R.Sridevi, AP/EEE	Participated in the AICTE Sponsored two week on line FDP on "Applications of Machine Learning & Deep Learning in Electrical Engineering" Series-I.	18.01.2021to30.01.2021 Kamaraj College of Engineering and Technology, Madurai District.
	Participated in AICTE Sponsored 5 –day online FDP on the theme "Inculcating Universal Human Values in Technical Education".	31.5.2021to 04.6.2021/ All India Council for Technical Education Nelson Mandela Marg, VasantKunj, NewDelhi.
R.Thangasankaran, AP/EEE	Participated in the Webinar on "Universal Human Values".	18.5.2021/ RVS College of Engineering&Technology,Coimbatore.
	Participated in the National Webinar on "Practical challenges in incorporating Renewable Energy Sources In to the grid".	15.05.2021/ PSN College of Engineering and Technology ,Tirunelveli.
	Participated in one day Faculty Development Programme on "Edge L.A.I".	11.05.2021/ KG College of Arts andScience,Coimbatore.





**Short term courses/seminar/symposium organized by the Department:**

Date	Title	Details of Resource Person	No. of Participants
15.5.2021	Recent Advancements and Career Opportunities of Electrical Engineering”	<p>“Resource Person: Mr.L.R.C.Ashokkumar, Associate R&amp;D Engineer, Hitachi-ABB Power Grids.</p> 	<p>Total:55 Students:48 ( B.E.EEE -I year [(2020-2024Batch)] Staff:07(Internal) Co-ordinator(s): Dr.S.Parthasarathy, Prof./EEE, R.JeyapandiPrathap, AP/EEE, R.Thangasankaran, AP/EEE Organizing Student Chapter: QC-IR &amp;IIPC Sponsor &amp; Amount: Nil</p>
06.3.2021	Engineering Career Skills”	<p>Resource Person: Mr.M.Karthik, HR&amp;Behavioral Skill Trainer,Psychologist,Leadership Coach, Erode</p> 	<p>Total:41 Students:39 ( B.E.EEE -II year [(2019-2023Batch)] Faculty:02 (Internal) Co-ordinator(s): R.JeyapandiPrathap, AP/EEE, M.Jeyamurugan, AP(Str.Gr.)/EEE Organizing Student Chapter: IEEEE Sponsor &amp; Amount:IIPC&amp;1000/</p>
23.02.2021	Motivational Talk for Career Development”	<p>Resource Person: Mrs.T.K.Lilly Grace, Assistant Commissioner of Police, Madurai.</p> 	<p>Total:70 Students:62 ( B.E.EEE -IV year/VIII Sem [(2017-2021Batch)] Faculty:08 (Internal) Co-ordinator(s): R.JeyapandiPrathap, AP/EEE, A.Manoj, AP/EEE Organizing Student Chapter: Nil Sponsor &amp; Amount:IIPC&amp;1500/</p>



Date	Title	Details of Resource Person	No. of Participants
02.02.2021	Job Opportunity Awareness in Electrical and Electronics Core Companies”	<p><b>Resource Person :</b> Er. Rishikesh T.K, Senior Software Engineer, KLA Corporation, Chennai.</p> 	<p><b>Participant Details:</b> Total:<b>38</b> Students:36 (B.E.EEE-IIIyear/VI Sem [(2018-2022Batch)] Faculty:02(Internal) <b>Co-ordinator(s):</b> Dr.S.Manoharan/AP(Sr.Gr)/EEEE Dr.M.GaneshKumari /AP(Sr.Gr)/EEEE <b>Organizing Student Chapter:</b> ISTE,IEI <b>Sponsor &amp; Amount: IPC&amp;1500/-</b></p>
30.01.2021	A way forward in developing career in power sector - Challenges and Job opportunities”	<p><b>Resource Person :</b> G Kathiravan Engineer - Utility Power System Studies Power Research &amp; Development Consultants Pvt. Ltd, Bengaluru.</p> 	<p><b>Participant Details:</b> Total:<b>54</b> Students:52 (B.E.EEE-IVyear/VIII Sem [(2017-2021Batch)] Faculty:02(Internal) <b>Co-ordinator(s):</b> Dr.M.Jegadeesan, ASP/EEEE <b>Organizing Student Chapter:</b> IEEE <b>Sponsor &amp; Amount: IPC&amp;1500/-</b></p>

Date	Title	Details of Resource Person	No. of Participants
27.01.2021	Industrial applications of Electrical motors and Drives”	<p><b><u>Resource Person:</u></b>  <b>Er. R.MUTHU</b>  Manager, SRIM Automation, Madurai.</p> 	<p><b>Participant Details:</b>  Total:39  Students:37  (B.E.EEE-IIyear/IV Sem  [(2019-2023Batch)]  Faculty:02(Internal)  <b>Co-ordinator(s):</b>  Dr.P.Loganthurai, ASP/EEEE,  M.Jeyamurugan, AP(Sr.Gr)/EEEE  <b>Organizing Student Chapter: IEEEE</b>  <b>Sponsor &amp; Amount: IIPC&amp;1500/-</b></p>
06.01.2021	Rise of Collaborative Robots in Industry 4.0”	<p><b><u>Resource Person:</u></b>  <b>Er. Senthil Kumar D,</b>  Senior Technical &amp; Project Engineer,  Kay Vybin Corporation, Penkarpada, Mira Road, Mira  Bhayandar,  Maharashtra.</p> 	<p><b>Participant Details:</b>  Total:51  Students:49  (I year[(2020-2024Batch)]  Faculty:02(Internal) <b>Co-ordinator(s):</b>  R.Thangasankaran,AP/EEEE  R.JeyapandiPrathap, AP/EEEE  <b>Organizing Student Chapter:</b>  <b>NilSponsor &amp; Amount:IIPC&amp;1000/-</b></p>

### Achievements of staff / Recognition / Honours

Name and Designation of the Staff	Achievements of Staff / Recognition / Honors	Date / Place
Dr.S.Parthasarathy, Prof./EEE	NPTEL–AICTE Faculty Development Programme on Patent Law for Engineers and Scientists”.	Jan-April2021 (12 WeekCourse) IIT, Madras.
A.Marimuthu, ASP/EEE	NPTEL–AICTE Faculty Development Programme on “Automatic Control”.(Elite+Gold)(Topper5%).	(Jan-March2021) [8weekcourse] IIT, Madras.
Dr.M.Jegadeesan, ASP/EEE	NPTEL–AICTE Faculty Development Programme on Problem Solving through Programming in C” (Elite).	Jan-April2021 (12WeekCourse),IIT, Madras.
Dr.S.Manoharan, AP(Sr.Gr.)/EEE	Elite+Silver Certificate earned by Completing NPTEL Online Certification course on “Microprocessor and Interfacing.”	Jan-April 2021 (12 WeekCourse), IITGuwahati.
Dr.M.GaneshKumari, AP(Sr.Gr.)/EEE	EliteCertificate earned byCompleting NPTEL Online Certification course on“Microprocessor and Interfacing”	Jan-April 2021 (12 WeekCourse), IITGuwahati.
M.Jeyamurugan, AP(Sr.Gr.)/ EEE	NPTEL–AICTE Faculty Development Programme on “Automatic Control”(Elite).	(Jan-March2021) [8weekcourse] IIT, Madras.
R.Jeyapandiprathap, AP/EEE	NPTEL–AICTE Faculty Development Programme on “Automatic Control”(Elite).	(Jan-March2021) [8weekcourse] IIT, Madras.
N.VimalRadhaVignesh, AP/EEE	EliteCertificateearnedbyCompleting NPTEL OnlineCertificationcourseon “ElectricalMachines”.	Jan-April 2021 (12 WeekCourse) IIT, Madras.
R.Thangasankaran, AP/EEE	EliteCertificate earned by Completing NPTEL Online Certification course on“English language for Competitive Exams”.	Jan-April 2021 (12 WeekCourse), IIT, Madras.

### Students Technical Association/Participation


S.No.	Name of the Student	Year	NPTEL Course Name	Duration	Prize won (elite/pass)
1.	Sona S	IV	The joy of computing using Python	Jan-Apr 2021(12weeks)	ELITE+Silver
2.	Sivashankari K	IV	The joy of computing Using Python	Jan-Apr2021 (12weeks)	ELITE+Silver
3.	Balaji B	IV	Problem Solving through Programming inC	Jan-Apr 2021(12weeks)	ELITE
4.	AkashA S	III	Microprocessors and Micro controllers	Jan-Apr 2021(12weeks)	Successfully Completed
5.	Arjun M	III	Microprocessors and Micro controllers	Jan-Apr 2021(12weeks)	Successfully Completed
6.	RM Karthick	III	Microprocessors and Micro controllers	Jan-Apr 2021(12weeks)	ELITE
7.	Karthika E	III	Microprocessors and Micro controllers	Jan-Apr 2021(12weeks)	ELITE
8.	Keerthana T	III	Microprocessors and Micro controllers	Jan-Apr 2021(12weeks)	Successfully Completed
9.	Swetha V	III	Microprocessors and Micro controllers	Jan-Apr 2021(12weeks)	Successfully Completed
10.	T.K. Iswarya	II	ElectricalMachine-II	Jan-Apr 2021(12weeks)	Successfully Completed
11.	P.G. Harishprabhu	II	Electrical Machine – II	Jan-Apr 2021(12weeks)	Successfully Completed
12.	R. Krithi	II	English Language for Competitive Exams	Jan-Apr 2021(12weeks)	Successfully Completed

S.No.	Name of the Student	Year	NPTEL Course Name	Duration	Prize won (elite/pass)
13.	Aarthi M	I	English Language for Competitive Exams	Jan-Apr 2021(12weeks)	ELITE
14.	Sangeetha D	I	English Language for Competitive Exams	Jan-Apr 2021(12weeks)	Successfully Completed
15.	DhariniSubha SS	I	English Language for Competitive Exams	Jan-Apr 2021(12weeks)	Successfully Completed
16.	BujaShree J	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
17.	Baskarasethupathi M	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
18.	Nagakisanragul N	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
19.	Harikrishnan K	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
20.	Gunaseelan	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
21.	SR Dharani	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
22.	Poojalakshmi T	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
23.	Arunkuma	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
24.	Dinesh K	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
25.	Sivashankari K	IV	The joy of computing using Python	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)

S.No.	Name of the Student	Year	NPTEL Course Name	Duration	Prize won (elite/pass)
26.	Sivakrishnan S	IV	The joy of computing using Python	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
27.	ChristophaRajan P	IV	Data Analytics with Python	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
28.	BujaShree J	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
29.	Baskarathupathi M	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
30.	Nagakisanragul N	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
31.	Harikrishnan K	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)
32.	Gunaseelan	IV	Problem Solving through Programming in C	Jan-Apr 2021(12weeks)	Modified Certificate (Covid19Impacted)

## Guest lectures / Special Programmes conducted

### Virtual Industrial Visit.

S.No	Date of Visit	Industry	Participating Student	Faculty Accompanying the Students	Photo
1.	26.05.2021	Virtual Industrial Visit.	B.E-EEEE – I YEAR/ II SEM Roll No: 49 Present: 49 % of Attendance: 100%	Dr.S.Parthasarathi, Prof./EEE, Dr .P. Loganthurai, ASP/EEE, R.Thangasankaran, AP/EEE	



**Funding obtained from National bodies/AU/Industry**

<b>S.No</b>	<b>PI, CO PI</b>	<b>Title of the Research project</b>	<b>Fund Generated/ Proposal Applied</b>	<b>Funding Agency</b>	<b>Amount Generated / Proposed</b>	<b>Date and Month of Funding approved</b>
1	PI: Dr.S.Parthasarathy, Professor/EEE Co-PIs: Dr.A.V. RamPrasad, Professor/ECE Mr.S.Nallathambi, AP/Mechanical Dr. M. Raghini, ASP /CSE	Laser based Hydraulic Controlled Variable Length land Leveler cum plough Device with Remote Monitoring system	Fund Received	DST (Agro Tech)	Rs.14,00,000 (2nd Installment )	26th July 2021
2.	PI: Dr.K.Gnanambal, Professor/EEE Co-PI: Dr. S. Miruna Joe Amali, Professor/CSE	Development of Machine Learning Algorithm Based Custom Power Device to Improve Voltage Quality of HT Industries	Proposal applied	DST-SERB	Rs.23.87 lakhs	02.02.2021

## Patent

S.No	Date	Name of the Applicant	Application Reference Numbers	Title	Patent Office
1.	25.06.2021	Dr. S. Parthasarathy Prof./EEE, IIPC Co-ordinator	202141026550 dated 15.06.2021	Sewage Blockage detection and removal system and methods of descaling there of	Patent Office, Government of India, Intellectual Property Building, Chennai.

## Students Placements

S.No	Roll No	Name of the Student	Name of the Company	Mode of Placement
1.	172041	Christophar Rajan P	Accenture	OFF
2.	172011	Vasuki K	TCS	TCS Ninja
3.	172037	Kartheeswaran B	Data Pattern	ON
4.	172009	Gayathri C	SonicWall Tech Sys	OFF
5.	172040	Vaishnavi M	Sutherland	ON
6.	172309	Yugal Kishore R	Sella India Software Services Pvt Ltd	OFF
7.	172050	Pooja Lakshmi T	6D Technology	ON
8.	172302	Iswarya S	Jasmin InfoTech	ON
9.	172014	Ruban Raj M	Aspire Systems	OFF
10.	172058	Siva Shankari K	Sutherland	ON
11.	172039	Mohammed Hafil S	4i Apps	OFF
12.	172017	Santhosh S	Pruvity HR Solution	OFF
13.	172018	Rajeshwaran K	Jasmin Info Tech	ON
14.	172049	Baskarasethupathi M	Infosys	CUIC
15.	172036	Himaja A	Infosys	CUIC
16.	172031	Sathish Babu A D	Infosys & Wipro	CUIC&OFF
17.	172008	Sivakrishnan S	HCL	OFF
18.	172307	Akshaya G R	Active Power	ON
19.	172019	Shanmugapriya B	Active Power	ON
20.	172004	Arun Kumar P	Entech Consultancy Bureao Pvt Ltd	OFF
21.	172042	Hari Krishnan K	Active Power	ON

S.No	Roll No	Name of the Student	Name of the Company	Mode of Placement
22.	172003	Balaji B	TCS	OFF
23.	172025	Nagakishan Rahul N	Cubesimple Pvt ltd	OFF
24.	172029	Vijayadharshini M	TCS	OFF
25.	172069	Arjun P K	TATA ELXSI Pvt Ltd	OFF
26.	172053	Subash M	Neeeyamo Enterprise Pvt Ltd	OFF
27.	172071	Dharani S R	Solartis	OFF
28.	172044	Gokula Prasath K	Maticz Technologies Pvt Ltd	OFF
29.	172010	Saravanakumar N H	Wipro	OFF
30.	172051	Mohamed Imthiyaz K	Embian Technologies	OFF
31.	172056	Snekha K	TCS	OFF
32.	172301	Sathish Kumar R	Solartis	OFF
33.	172054	Imam Jaffer K	VihangaEmbedSoft	ON
34.	172057	Gunaseelan M	iPLON India Pvt Ltd	OFF
35.	172064	Balaji Ss	Mphasis	ON
36.	172106	Suriya Narayanan C J	CAPE GEMINI	OFF
37.	172007	Pandi Durai M	Atos SYNTEL	OFF
38.	172063	Dhivya Priya P	TCS / Atos SYNTEL	OFF
39.	172032	Joyal Poly	6D Technology	ON
40.	172006	Pramila C R	Solartis	OFF
41.	172038	Vinithkumar G	Violin Technologies	OFF
42.	172043	Karthick Babu S	We Alwin Technologies	OFF
43.	172103	Ramesh Vishnu G S	Infonet Comm Enterprises Pvt Ltd	OFF
44.	172027	Alagu Padmanathan B	OSIZ Technology	OFF
45.	192401	Jeya Santhosh S R	HCL	OFF
46.	172013	Pradeepa	Neeeyamo Enterprise Pvt Ltd	OFF
47.	172104	Hari Hara Sudhan	UNITAC Energy Solutions Pvt Ltd	OFF
48.	172001	Evangeline Princy J	L&T InfoTech	OFF
49.	172045	Sona S	TCS	OFF
50.	172061	Venkatesan R	Neeeyamo Enterprise Pvt Ltd	OFF
51.	172062	Sutharsan M	BYD India Pvt Ltd.	OFF
52.	172012	Shahit Umar Khan B	Wipro	OFF
53.	172020	Praveenraj R	Active Power	OFF
54.	172046	Noorul Akthar A	Durr India Pvt Ltd	OFF

S.No	Roll No	Name of the Student	Name of the Institute	Mode of Admission	Programme Name	University	Year
1.	172059	Ajith Kumar R	Thiagarajar School of Management	TANCET	MBA	Anna University	2021-2023
2.	172023	Santhosh Kumar V V	Sastra University	Merit Based	M.Tech –VLSI	Sastra University	2021-2023
3.	172035	Yaazhini R	Alagappa Institute of Management	Merit Based	MBA	Alagappa University	2021-2023
4.	172060	Rohith A	Alagappa Institute of Management	Merit Based	MBA	Alagappa University	2021-2023
5.	172016	Guruprasath J	Thiagarajar College of Engineering	Management	M.E., Power Systems Engineering	Anna University	2021-2023

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### Publications in International / National Journal

1. **Dr. N.Janakiraman** “FPGA implementation of protected compact AES S–Box using CQCG for embedded applications “Advances in Parallel Computing” ISSN: 1879-808X, 2021.
2. **Dr. N.Janakiraman** Performance Analysis of Highly Efficient Two-Port MIMO Antenna for 5G Wearable Applications “IETE Journal of Research” ISSN: 0974-780X, 2021.
3. **Dr. N.Janakiraman** An Effective Denoising and Enhancement Strategy for Medical Image using RL-GLCaputo Method Advances in Parallel Computing ISSN: 1879-808X, 2021.
4. **Dr. T.R. Muthu**, “Design of frequency reconfigurable antenna for cognitive radio applications”, “OAM-Rapid Communication” ISSN: 1842-6573 June 2021.
5. **Dr.S.C.Sivaprakash** Design of hexagonal structured patch antenna miniaturization using shorting pin “SurajPunj journal for multidisciplinary research ( UGC)” ISSN: 2394-2886, 2021.

### Publications in International / National Conference

1. **Dr. S.C.Sivaprakash, T.Sugumari** “Reflection characteristics Improvement of Wide Band Couple Line Power Divider using SRR” in Paradigms of Communication, computing and data sciences May 2021.

### Quality Improvement Programs

Name of the staff & Designation	Programme	Place	Date
N.Janakiraman Prof./ECE	One Week Online FDP on "Intellectual Property Rights" One Week Online FDP on "Roadmap for Patent Creation"	Electronics & ICT Academy and Indian Institute of Technology Guwahati NPTEL	6days 04.01.2021 to 09.01.2021 8 Weeks Course (Jan. to Mar. 2021)
S.R.Naresh Associate professor /ECE	Internet of things and applications in 5G 5 days FDP or inculcating Universal Hursan values in Technical Education	Online - Easwari Engineering College. Chennai AICTE	5 days FDP 5th to 9th January 2021 5days 3 <sup>rd</sup> to 7 <sup>th</sup> May 2021
Dr. P. Karpagavalli Associate Professor /ECE	Machine Learning Applications to Internet of Things (IoT) Virtual FDP on Fundamentals of Machine Learning	Online- velammal Engineering college and technology, Madurai Online-ICT ACADEMY	6 days 04.01.2021 to 09.01.2021 5 days 16.02.2021 to 20.02.2021
K.R.Shanthy Associate Professor /ECE	Internet of Things (IOT ) Cogitive Radio Communication	ATAL Academy- Organized by Amal Jyothi Collge of Engineering Pantech with KLNCE Pottapalayam	5 days 11.01.2021 To 15.01.2021 2 days 19.02.2021 and 20.02.2021,
Dr.B.Buvaneswari Associate Professor/ECE	AICTE one week sponsored STTP "VLSI Design and verification" AICTE one week sponsored STTP "Emerging trends in Signal and Image Processing	AICTE-conducted by Annamacharya Institute of Technology and sciences,Rajampet AICTE-conducted by Malla Reddy Engg College for Women	6 days 22.03.2021 to 27.03.2021 19.04.2021 to 24.04.2021

Name of the staff & Designation	Programme	Place	Date
Dr. P. S. Kumaresh AP(SG)/ECE	Professional Ethics in current pandemic scenario	College of Engineering Perumon, Kerala	1 week course 22.02.2021 to 27.02.2021
Dr.S.Subha AP(SG)/ECE	AICTE Sponsored six days STTP (online) on "Exploring real world applications of Block chain technology with machine learning models (series I)" AICTE - ISTE Induction / Refresher Program on "An Effective Pedagogy Practice"	Department of Information and technology, K.L.N. College of Engineering Pottapalayam	6 days 22.02.2021 to 27.02.2021
L.Meenakshi AP(Sr.Gr)/ECE	Webinar series on "AI master class using Python"	Department of Computer Science and Engineering, K.L.N. College of Engineering, Pottapalayam Organized by PANTECH prolabs India Private Ltd	1 Week course 3rd to 9th March, 2021
M.Amudha AP(Sr.Gr) / ECE	IEEE sponsored Developing Embedded applications on ARM CORTEX-M4 AICTE sponsored online STTP on "FPGA based Digital System Design with HDL"	Sastra deemed to be University organized by Vel Tech MultiTech Dr.Rangarajan Dr Sakunthala Engineering college, Chennai	2 days 16.02.2021 to 17.03.2021 1 day 22.02.2021
	Webinar series on "AI master class using Python"	Organized by PANTECH prolabs India Private Ltd	6 days 22.02.2021 to 27.02.2021
	AICTE-ISTE sponsored "An Effective Pedagogy Practice"	Organized by K.L.N. College of Engineering, Pottapalayam	2 days 16.02.2021 to 17.03.2021
	AICTE sponsored online STTP" Exploring Real World Applications of Blockchain Technology with Machine Learning Models"	Organized by K.L.N. College of Engineering, Pottapalayam	7 days 03.03.2021 to 09.03.2021 6 days 22.03.2021 to 27.03.2021



Name of the staff & Designation	Programme	Place	Date
T.R. Muthu Assistant Professor/ECE	TEQIP -one week FDP "Professional Ethics in current pandemic scenario"	TEQIP-conducted by College of Engg Perumon,Kollam,Kerala	6 days 22.02.2021 to 27.02.2021
	AICTE one week sponsored STTP "VLSI Design and verification"	AICTE-conducted by Annamacharya Institute of Technology and sciences, Rajampet	6 days 22.03.2021 to 27.03.2021
	AICTE one week sponsored STTP"Emerging trends in Signal and Image Processing	AICTE-conducted by Malla Reddy Engg College for Women	6 days 19.04.2021 to 24.04.2021
S.Ravisankar AP/ECE	Cloud Computing Basics	Coursera	3 weeks course 16.1.2021
	Professional Ethics in current pandemic scenario"	College of Engineering Perumon, Kerala	1 week course 22.02.2021 to 27.02.2021
	AICTE-ISTE Induction/Refresher Program On "An Effective Pedagogy Practice"	Department of Computer Science and Engineering, K.L.N. College of Engineering, Pottapalayam	1 Week course 3rd to 9th March, 2021
	"One Week Sttp On Deep Learning Techniques For Electronic Health Record Analysis"	Malla Reddy Engineering College for Women,Secunderabad-500100	1 Week course 15th to 20th March, 2021.
	"One Week Sttp On Emerging Trends In Vlsi Technology(Slot-2)"	Malla Reddy Engineering College for Women,Secunderabad-500101	1 Week course 22nd to 27th March, 2021
	One Week Sttp On Emerging Trends In Advanced Signal & Image Processing(Slot-3)	Malla Reddy Engineering College for Women,Secunderabad-500102	1 Week course 19th to 24th April, 2021

Name of the staff & Designation	Programme	Place	Date
D.Anand AP/ECE	IEEE sponsored Developing Embedded applications on ARM CORTEX-M4	SASTRA University(Online), Thanjavur	1 day 22.2.21
	Short Term Training Programme on FPGA based Digital System Design with HDL (Phase-III)	Department of Electronics and Communication Engineering, Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College	6 days 22.02.2021 to 27.02.2021
	Workshop on "Demystifying Deep Learning-Research Perspective	SRM Institute of Science and Technology,Ramapuram Campus	1 day 27.02.2021
	AICTE sponsored 6 days online STTP on "Exploring Real World Applications of Blockchain Technology with Machine Learning Models" Series 2	Department of Information Technology, K.L.N.College of Engineering, Pottapalayam	6 days 22.03.2021 to 27.03.2021
	Faculty Development Program on Introduction to Python Programming (Online Live FDP)	ICT Academy	5 days 29.03.2021 to 03.04.2021
	FDP on Fundamentals of AI & ML(online LIVE FDP)	ICT Academy	5days 29.03.2021 to 03.04.2021
	FDP on Fundamentals of AI & ML (online FDP LIVE FDP)	ICT Academy	5days 10.05.2021 to 14.05.2021
	National level industrial lecture on "How the latest technology impact our current industry"	Online conducted by Kalasalingam University, Krishnankoil	13.01.2021
	AICTE sponsored 6 days online STTP on "Exploring Real World Applications of Blockchain Technology with Machine Learning Models" Series 2	Department of Information Technology, K.L.N.College of Engineering, Sivaganga	6 days 22.03.2021 to 27.03.2021

Name of the staff & Designation	Programme	Place	Date
R.Pavithra AP/ECE	AICTE-ISTE INDUCTION/REFRESHER PROGRAM On " An Effective Pedagogy Practice "	Department of Computer Science and Engineering, K.L.N. College of Engineering, Sivaganga	1 Week course 3rd to 9th March, 2021
	IEEE sponsored Developing Embedded applications on ARM CORTEX-M4	SASTRA University(Online),Thanjavur	22.2.21
C.Sasirekha AP/ECE	AICTE-ISTE INDUCTION/REFRESHER PROGRAM On " An Effective Pedagogy Practice "	K.L.N College of Engineering(Online), Sivaganga	7 days 3.3.21 to 9.3.21
	AI Master Class using Python	Pantech Prolabs India Pvt Ltd(online)	2 days 16.2.21 to 17.3.21
	Digital Teaching Techniques	ICT Academy	5 days 07.06.21 to 11.06.21
	FPGA based Deep learning Application in Signal Processing	ATAL Academy at KLE Technological University	6 days 05.07.21 to 09.07.21
	AICTE-ISTE Sponsored One Week Online Induc tion/Refresher Programme titled "Integration of Pedagogical strategies with ICT for Transformation of Engineering Education	Department of ECE, PSG Institute of Technology and Applied Research, Coimbatore	6 days 25.02.2021 to 03.03.2021
Mrs. T Sugumari AP/ECE	AICTE-ISTE Sponsored one week online Induction/Refresher Programme titled "Data science in Engineering Applications"	Department of ECE, Anurag College of Engineering, Telangana	6days 26.04.2021 to 01.05.2021
	AICTE-ISTE INDUCTION/REFRESHER PROGRAM On " An Effective Pedagogy Practice "	K.L.N College of Engineering (Online)	6days 12.05.2021 to 18.05.2021

Name of the staff & Designation	Programme	Place	Date	
	one day short term training program on "Robotics & Automation"	Department of Mechatronics, Thiagarajar college of Engineering Madurai	12.06.2021	
	One week FDP on "EC8701 Antennas & Microwave Engineering"	Karpagam Institute of Technology, Coimbatore	6days 14.06.2021 to 19.06.2021	
	One Week FDP on "Antenna Design and Printing for practical Applications"	B.N.M. Institute of Technology, Bengaluru	6days 25.06.2021 to 30.06.2021	
	AICTE-ISTE Sponsored one week online Induction/Refresher Programme titled "Data science in Engineering Applications"	Department of ECE, Anurag College of Engineering, Telangana	6days 26.04.2021 to 01.05.2021	
	AICTE-ISTE INDUCTION REFRESHER PROGRAM on "An Effective Pedagogy Practice"	K.L.N College of Engineering(Online)	16days 02.05.2021 to 18.05.2021	
	One day short term training program on "Robotics & Automation"	Department of Mechatronics, Thiagarajar college of Engineering Madurai	12.06.2021	
	One week FDP on "EC8701 Antennas & Microwave Engineering"	Karpagam Institute of Technology, Coimbatore	6days 14.06.2021 to 19.06.2021	
	One Week FDP on "Antenna Design and Printing for practical Applications"	B.N.M. Institute of Technology, Bengaluru	6days 25.06.2021 to 30.06.2021	
	S.C.Sivaprakash AP/ECE	5G Wireless Communication	Thiagarajar College of Engineering	26.5.2021
		Optical Network in 6G technologies	Sri Ramakrishna Institute of Technology, Perur	04.06.21

### NPTEL Online Certification Courses (Staff)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award
Mrs R Thilagavathy AP (Sr.Gr.) / ECE	Signals and Systems	Jan-Apr 2021	IIT Roorkee	Elite+Silver
	Principles of Signals and Systems	Jan-Apr 2021	IIT Roorkee	Elite+Silver
Dr S SUBHA AP(SG) /ECE	Principles of Signals and Systems	Jan-Apr 2021	IIT Roorkee	Elite
	Signals and Systems	Jan-Apr 2021	IIT Roorkee	Elite+Silver
Dr P Karpagavalli Asso. Prof. / ECE	Principles of Signals and Systems	Jan-Apr 2021	IIT Roorkee	Elite

### Staff Achievements / Recognition / Honours

Name and Designation of the Staff	Achievements / Recognition / Honours	Date / place
Dr. V. Kejalakshmi, HOD / ECE	NPTEL SPOC Award	January 2021
Dr.S.C.Sivaprakash Professor/ECE	Reviewer for Journal Applied Computational Electromagnetics Society Springer Nature	January 2021
Dr.B.Buvaneswari, ASP/ECE	Reviewer for the journal AEUE - International Journal of Electronics and Communications	January 2021

**Short Term Courses /Seminars / Conferences / Workshops / Symposium Organized**

Date	Topic / Title	Details of Resource persons	Number of participants	Co-ordinator
16.04.2021	National Conference on informatics, Electronics and Communication	Co-Patron: <b>Dr.A.V.Ramprasad, Principal</b> Chair Person: <b>Dr.V.Kejalakshmi, Prof&amp; HOD/ECE</b> Keynote Speaker: <b>Dr.N.Janakiraman, Prof/ECE</b> Judges: 1. Dr.N.Janakiraman, Prof/ECE 2. Dr.P.Karpagavalli, ASPI/ECE 3. Mrs.L.Meenakshi, P(Sr.Gr)/ECE 4. Mrs.Miruna Joe Amali, Prof/CSE	50 Faculty Members	Dr. V. Kejalakshmi, Prof. & HOD/ECE Dr. N. Janakiraman, Prof./ECE Ms.R.Thilagavathy, AP (Sr.Gr.) / ECE Ms.R.Pavithra, AP / ECE Dr.S.Subha AP(SG) / ECE Ms.L.Meenakshi AP(Sr.Gr.) / ECE
31.05.2021 to 05.06.2021	AU sponcered FDTP on Discrete time Signal Processing	<b>Mr.B.L.Prasanth</b> Senior Applications Engineer, Cypress Semiconductor, An Infineon Technologies, Bangalore <b>Mr S.M.Karthik Sundar</b> Machine Learning Engineer, Mad Street Den, Chennai <b>Mr. S.K.Sholai Rasu</b> NR Physical layer Architect at Syntronic - A Global Design House <b>Mr.K.Ramprabhakar</b> Research Scholar, Indian Institute of Science, Bangalore	60 Faculty Members	Dr. V. Kejalakshmi, Prof. & HOD/ECE Ms.R.Thilagavathy, AP (Sr.Gr.) / ECE Ms.R.Pavithra, AP / ECE Ms.C.Sasirekha, AP / ECE
10.05.2021 to 19.05.2021	Zoho training program	Silicon software services	Third year- 6	Ms.R.Pavithra, AP / ECE S.Ravisankar AP/ECE
27.05.2021 to 01.06.2021	Aptitude training	Connect training solutions (P) Ltd	Second year-42	Mr.S.R.Naresh, Assis.Prof/ECE Dr.P.S.Kumaresh, AP(SG) /ECE Mrs.T.Sugumari AP/ECE

### Guest Lecture Organized

Date	Topic / Title	Details of Resource persons	Number of participants	Year
26.02.2021	General Awareness about Industries and Job Opportunities	Mr. Manoj Sakunthalan Member Technical Staff - Quality Analyst	130 Students	IV, III Students
06.03.2021	How to Avoid Procrastination	Mrs.Sangeetha Vasudevan, M.S.(Counselling and Psychotherapy) Psychology Department	130 Students	IV, III Students
20.03.2021	How to face an interview?	Ms.Vinodini M S App Dev Programmer Analyst	130 Students	IV, III Students
20.03.2021	Things make BIG Days	Mr. A. S. Karthikeyan Embedded Engineer Ms.C.Chandrika Priyadarshini Assistant System Engineer	130 Students	IV, III Students
15.05.2021	General Awareness about placement	Ms.Anupriya Information Technology Analyst	50 Students	IV, III Students
17.04.2021	Preparation for Core Companies	Mr. R.Akshay Kumar, Senior Systems Engineer, Jasmin Infotech PVT LTD,	23 Students	II Year Students
17.04.2021	Little Things make Big Days	Mr.A.S.karthikeyan, Embedded Engineer, Honeywell Technology solutions Madurai- 625015 Ms.C.Chandrika Priyadarshini, Assistant System Engineer, TCS, Kolkata	45 Students	II Year Students
15.05.2021	General awareness about placement	Ms.Anupriya Information Technology Analyst TCS	50 Students	II Year Students
22.05.2021	Career Opportunities for an Electronics Engineer	Mr. R.Akshay Kumar, Senior Systems Engineer, Jasmin Infotech PVT LTD,	87 Students	II Year Students
31.05.2021	Virtual Industrial Visit	Online Mode	81 Student	II Year Students
10.06.2021 and 11.06.2021	Technical Paper Presentation	Online Mode	82 Students	II Year Students

### Funds Obtained from National Bodies / Au / Industry

- Anna University Chennai was granted Rs.30,000/- for Anna University sponsored FDP on Discrete Signal Processing Centre for Faculty Development,

**Students Participation in National Conferences / Symposium and Other Events / Sports Activities**

Name of the student	Year	Title of the event	Venue / Date	Prize won
C.K. Vignesh	IV	Attended Training in Optical Communication Hardware & Networking and Soft Skills conducted online by ICT Academy(Tejas Networks)	Online by TEJAS Networks 08.07.2020 to 10.02.2021	Participated
B.Kavivarshini	IV			
M.Priyadharshini	IV			
C.Varshini	IV			
K.Harini	IV			
C.Ishwarya	IV			
B.Madhumitha	IV			
K.Dhurkha	IV			
M.Madhavi	IV			
S.Swetha	IV			
K.M.Jeyanthi	IV	Participated in 8 <sup>th</sup> International Conference on Emerging trends in engineering and technology (ICETET'21) and presented a paper entitled "Secure key distribution approach in dynamic wireless sensor networks"	Pandian Saraswati Yadav Engineering college 12.3.21& 13.3.21	Participated
R.R.Karishma Sre	IV	Presented paper titled "Artificial Intelligence and Machine Learning" at IIPC sponsored Technical Paper Presentation conducted by Dept of ECE		
T. Yuvashti	IV	Presented paper titled "Cyber Security" at IIPC sponsored Technical Paper Presentation conducted by Dept of ECE		



Name of the student	Year	Title of the event	Venue / Date	Prize won			
R.Karsihma	II	Presented paper titled "Artificial Intelligence and Machine Learning" at IIPC sponsored Technical Paper Presentation conducted by Dept of ECE	K.L.N College of Engineering Pottapalayam, 27.3.21	WON I Prize			
M.S.R.Koushika	II	Presented paper titled "Cyber Security" at IIPC sponsored Technical Paper Presentation conducted by Dept of ECE	K.L.N College of Engineering Pottapalayam , 27.3.21	WON II Prize			
M.Deepika	II	Presented paper titled "Cyber Security" at IIPC sponsored Technical Paper Presentation conducted by Dept of ECE	K.L.N College of Engineering Pottapalayam, 27.3.21	WON II Prize			
Thirisa.T.V	II	Presented paper titled "VLSI AND Embedded Technology" at IIPC sponsored Technical Paper Presentation conducted by Dept of ECE	K.L.N College of Engineering Pottapalayam, 27.3.21	WON II Prize			
C.Ajithkumar	IV	Participated in National Level Conference on Informatics ,Electronics and Communication conducted by dept of ECE	K.L.N College of Engineering Pottapalayam, 16.4.2021	Participated			
V.Akash	IV						
N.Ananth Kumar	IV						
M.S.Pavithra	IV						
K.Ratchana	IV						
S.Subalakshmi	IV						
J.U.Santhosh	IV						
N.Sethuraman	IV						
V.Srivathsan	IV						
P.Suthakar	IV						
					Narasu's Sarathy Institute of Technology, 19.4.21	participated	

Name of the student	Year	Title of the event	Venue / Date	Prize won
S.M.Amarnath	I	Participated in "World Mathematics Day-Quiz Contest" Conducted by Dept of Maths	K.L.N College of Engineering Pottapalayam Gitam University 5.5.21	participated
T.B.Srikumar	I			
Thirisa. T.V	II	Participating in SmartIDEAthon 2021 competition	K.L.N College of Engineering Pottapalayam 25.5.21	participated
Mathanraja.S	I	Presented paper titled "GLOBAL POSITIONING SYSTEM AND ITS APPLICATIONS" at Technical Paper Presentation conducted by Dept of ECE	K.L.N College of Engineering Pottapalayam 10.6.21&11.6.21	participated
S.M.Amarnath	I	Presented paper titled "HONEY POT" at Technical Paper Presentation conducted by Dept of ECE	K.L.N College of Engineering Pottapalayam 10.6.21&11.6.21	WON I Prize
S.Karan	I	Presented paper at TECHFEST 2K21	K.L.N College of Engineering Pottapalayam 10.6.21&11.6.21	WON I Prize
M.Amurthavarsa	I	Participated in "JUSOOGLE IT" at TECHFEST 2K21	K.L.N College of Engineering Pottapalayam 10.6.21&11.6.21	participated

### **NPTEL Online Certification Courses (Student)**

<b>Name of the Student</b>	<b>Year</b>	<b>Course Title</b>	<b>Course duration</b>	<b>Course conducted by</b>	<b>Award</b>
Karishma R	II	NPTEL –Analog circuits	Jan-Apr2021	IIT Roorkee	Elite
Latikaa Tejus J	I	NPTEL - Enhancing Soft Skills and Personality	Jan-Apr2021	IIT Roorkee	Elite & Silver
Vishwesh Ram Kv	I	NPTEL - Problem Solving through Programming in C	Jan-Apr2021	IIT Roorkee	Elite
Aadithya M	I	NPTEL - The Joy of Computing using Python	Jan-Apr2021	IIT Roorkee	Elite & Silver

### **Industrial Visits**

<b>Year / Sem</b>	<b>Date</b>	<b>Industry Visited</b>
III	08.03.2021	Fabrication of PCB-Virtual industrial visit
III	09.03.2021	Embedded system application in industry-SNP dairy milk
I	31.05.2021	Huge PCB factory in china – Virtual visit

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Publications in International / National Journal

1. **Dr.S.Miruna Joe Amali & K.Sasi Rekha,**" A robust and adaptive fuzzy logic based differential evolution algorithm using population diversity tuning for multi-objective optimization ", Engineering applications of artificial intelligence, Vol.102,June 2021.
2. **Mrs.S.Brindha & Dr.S.Miruna Joe Amali,**" A robust and adaptive fuzzy logic based differential evolution algorithm using population diversity tuning for multi-objective optimization ", Engineering applications of artificial intelligence, Engineering applications of artificial intelligence.
3. **Dr.R.Lakshmi & S.Bhaskar,**" Efficient Text Document Clustering with New Similarity Measures ", International Journal of Business Intelligence and Data Mining, Vol.18,No.1,2021.
4. **Mrs.S.Venkata Lakshmi & K.Sasi Rekha,**" Efficient IOT based Water quality Prediction Using Cat Swarm Optimized Neural Network classification ", Psychology And Education Journal, Vol.58,No.1 2021.
5. **Dr. P.R. Vijayalakshmi & R.Delshi Howsalya Devi,**" Performance analysis of data mining classification algorithms for early prediction of diabetes mellitus 2", IJ of Biomedial Engineering and Technology, Vol.36,No.2,2021.

### Quality Improvement Programs

Name of the staff & Designation	Programme	Place	Date
Mr.J.Sulthan Alikhan, AP/CSE	Exploring Real World Applications of Blockchain Technology with Machine Learning Models	K.L.N. College of Engineering (online)	04.01.2021 to 09.01.2021 (6 Days)
Mrs.R.Kirubahari AP/CSE	AICTE Sponsored Online six days short term training program on Artificial Intelligence and deep learning for computational Biology	PSNA college of engineering and technology- online	4.01.2021 to 9.01.2021 (6 days)
Mrs.V.Karpagam AP/CSE	AICTE Sponsored Online six days short term training program on Artificial Intelligence and deep learning for computational Biology	PSNA college of engineering and technology- online	4.01.2021 to 9.01.2021 (6 days)
Mrs.S.Brindha AP/CSE	AICTE Sponsored Online six days short term training program on Artificial Intelligence and deep learning for computational Biology	PSNA college of engineering and technology- online	4.01.2021 to 9.01.2021 (6 days)

<b>Name of the staff &amp; Designation</b>	<b>Programme</b>	<b>Place</b>	<b>Date</b>
Mrs.S.Venkata Lakshmi AP/CSE	AICTE Sponsored Online six days short term training program on Artificial Intelligence and deep learning for computational Biology	PSNA college of engineering and technology- online	4.01.2021 to 9.01.2021 (6 days)
Mrs.R.Kirubahari AP/CSE	AICTE-ISTE Induction/Refresher Program on "An Effective Pedagogy Practice" - online	K.L.N. College of Engineering (online)	03.03.2021 to 9.03.2021 (6 days)
Mrs.S.Brindha AP/CSE	AICTE-ISTE Induction/Refresher Program on "An Effective Pedagogy Practice" - online	K.L.N. College of Engineering (online)	21.04.2021 To 27.04.2021 (6 days)
Mrs.S.Venkata Lakshmi AP/CSE	AICTE-ISTE Induction/Refresher Program on "An Effective Pedagogy Practice" - online	K.L.N. College of Engineering (online)	21.04.21 to 27.04.21 (6 days)
Mrs.K.Arunasakthi AP/CSE	AICTE-ISTE Induction/Refresher Program on "An Effective Pedagogy Practice" - online	K.L.N. College of Engineering (online)	21.04.21 to 27.04.21 (6 days)
Mr.J.Sulthan Alikhan,AP/CSE	Application of Deep Learning Techniques in Remote Sensing for monitoring,managing and conserving Natural Resources for the sustainable development of Nation	Sethu Institute of Technology	22.04.2021 - 28.04.2021 (7 Days)
Mrs.V.Karpagam AP/CSE	AICTE-ISTE Induction/Refresher Program on "An Effective Pedagogy Practice" - online	K.L.N. College of Engineering (online)	12.05.2021 To 18.05.2021 (6 days)
Mr.D.Prabhu AP/CSE	Internet of Things(IOT)	K.L.N College of Engineering	15.05.2021
Mr.M.Arul Selvan AP/CSE	Internet of Things(IOT)	K.L.N College of Engineering	15.05.2021

**NPTEL Online Certification Courses (Staff)**

<b>Name of the Staff&amp; Designation</b>	<b>Course Title</b>	<b>Course duration</b>	<b>Course conducted by</b>	<b>Award</b>
Dr.R.Lakshmi ASP/CSE	Introduction to Automata, Languages and Computation	Jan-Apr 12 Weeks	IIT Kharagpur	Elite+Silver
Dr.R.Lakshmi ASP/CSE	Design and Analysis of Algorithms	Jan-Mar 8 Weeks	IIT Madras	Successfully Completed

**Short Term Courses / Seminars / Conferences / Workshops/ Symposium Organized**

<b>Date</b>	<b>Topic / Title</b>	<b>Details of Resource persons</b>	<b>Number of participants</b>	<b>Co-ordinator</b>
03.03.2021 to 9.03.2021	AICTE-ISTE Induction / Refresher Program on "An Effective Pedagogy Practice" - online	Dr.R.K Jothi,VIT Vellore	71	Dr.P.R.Vijayalakshmi,
21.04.2021 to 27.04.2021	AICTE-ISTE Induction / Refresher Program on "An Effective Pedagogy Practice" - online	Dr.D.Baskar,TCE, MAdurai	41	Dr.P.R.Vijayalakshmi, Dr.R.Lakshmi
12.05.2021 to 18.05.2021	AICTE-ISTE Induction/Refresher Program on "An Effective Pedagogy Practice" - Series II (online)	Dr.T.Subulakshmi, VIT,Chennai	45	Dr.P.R.Vijayalakshmi, Mr.D.Pravin Kumar

**Funds Obtained from National Bodies / AU / Industry**

<b>Date</b>	<b>Topic / Title</b>	<b>Funds Agency</b>	<b>Details of Resource persons</b>	<b>Amount Received</b>	<b>Number of participants</b>	<b>Co-ordinator</b>
03.03.2021 to 9.03.2021	Induction/Refresher Program On "An Effective Pedagogy Practice" - Online	AICTE - ISTE	Dr.R.K.Jothi, VIT Vellore	Rs.93,000	71	Dr.P.R. Vijayalakshmi
21.04.2021 to 27.04.2021	Induction/Refresher Program On "An Effective Pedagogy Practice" - Online	AICTE - ISTE	Dr.D.Baskar,TCE, Madurai.	Rs.93,000	41	Dr.P.R.Vijayalakshmi, Dr.R.Lakshmi
12.05.2021 to 18.05.2021	Induction/Refresher Program On "An Effective Pedagogy Practice" - Online	AICTE - ISTE	Dr.T.Subulakshmi VIT,Chennai.	Rs.93,000	45	Dr.P.R.Vijayalakshmi, Mr.D.Pravin Kumar

**NPTEL Online Certification Courses (Student)**

<b>Name of the Student</b>	<b>Year</b>	<b>Course Title</b>	<b>Course duration</b>	<b>Course conducted by</b>	<b>Award</b>
M.M.Prasanna Kumar	III year	Problem solving through programming in C	Jan-Apr 12 Weeks	IIT Kharagpur	Elite+Silver
J.Samuel Jebadurai	III year	Problem solving through programming in C	Jan-Apr 12 Weeks	IIT Kharagpur	Elite+Silver
S.Mohamed Faiz	III year	Ethical Hacking	Jan-Apr 12 Weeks	IIT Kharagpur	Successfully passed
Sajjansithu	III year	Cryptography and Network Security	Jan-Apr 12 Weeks	IIT Kharagpur	Elite

Name of the Student	Year	Course Title	Course duration	Course conducted by	Award
Imthiaz Rahman.K	IV year	Programming in Java	Jan-Apr 12 Weeks	IIT Kharagpur	Elite+Silver
P.Aarthi	II year	Ethical Hacking	Jan-Apr 12 Weeks	IIT Kharagpur	Elite
G.V.Girishmaa	II year	Ethical Hacking	Jan-Apr 12 Weeks	IIT Kharagpur	Successfully passed
P.Apurva	II year	Ethical Hacking	Jan-Apr 12 Weeks	IIT Kharagpur	Elite
K.S.Madhu maaliga shree	II year	Introduction to internet of things	Jan-Apr 12 Weeks	IIT Kharagpur	Elite
Muthu tharunadithya	II year	Introduction to internet of things	Jan-Apr 12 Weeks	IIT Kharagpur	Elite

#### Industrial Visits

Year / Sem	Date	Industry Visited
I year / 02	05.03.2021	Invento Robotics
I year / 02	17.03.2021	Kudankulam Nuclear Power Plant



## DEPARTMENT OF AUTOMOBILE ENGINEERING

### Quality Improvement Programs

Name of the staff & Designation	Programme	Place	Date
Dr.R.M. Satheesh Kumar, Prof & Head	5 day online FDP on "Inculcating Universal Human Values in Technical Education"	AICTE Online FDP	17.05.2021 to 21.05.2021
Mr. G.S. Santha Venkatesh, AP	Induction program on "An Effective Pedagogy Practice"	AICTE-ISTE Online FDP	12.05.2021 to 18.05.2021

### NPTEL Online Certification Courses (Staff)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award
Dr.J.Rajesh Babu, ASP	Effective Engineering Teaching in Practice	Jan-Feb 2022	IIT Madras	Elite + Gold + 1% Topper
Mr. G.S. Santha Venkatesh, AP	Inspection and quality controls in Manufacturing	Feb-Mar 2022	IIT Roorkee	Elite +Silver+2% Top per

### Short Term Courses /Seminars/ Conferences / Workshops/ Symposium Organized

Date	Topic / Title	Details of Resource persons	Number of participants	Co-ordinator
17.02.2021	Technical Festival - Positive Approach of Entrepreneurs During Pandemic Period and Govt.Support - (National Productivity Week Celebrations - 2021 - Madurai Productivity Council)	Sri.V.D . Anandan, Regional Appraisal Head, TIIC, Madurai	43 Students and 6 Staffs benefitted	Dr.R.M. Satheesh Kumar, Prof & Head & Dr.J.Rajesh Babu, ASP

**Students Participation in National Conferences / Symposium and Other Events / Sports Activites**

Name of the student	Year	Title of the event	Venue / Date	Prize won
Ajaylal MM Maheswaran M G Santhosh P M Sudharsan B Ajay Karthick D	IV year III year	Seminar on Udyog Manthan on Productivity- National Productivity Week Celebrations -2021 - Madurai Productivity Council	Mannar Thirumalai Naickar College, Madurai 12.02.2021	-

**Industrial Visits**

Year / Sem	Date	Industry Visited
IV /VIII & III /VI	14.02.2021	AUROLAB, Aravind Eyecare system, Madurai



**National Productivity Week Celebrations -2021 - Madurai Productivity Council held on 12.02.2021**



**Industrial Visit on 14.02.2021 at AUROLAB, Madurai**

## DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

### Quality Improvement Programs

Name of the staff & Designation	Programme	Place	Date
Dr.D.PradeepKannan, Prof/EIE	Webinar in “Entrepreneurial Mind in this Pandemic”	Online mode / SIT	04.06.2021
Mr.P.Ravikumar, ASP/EIE	Participated AICTE –ISTE Induction/Refresher Program on “ An Effective Pedagogy Practice”	Online mode / KLNCE – CSE	12.05.2021 to 18.05.2021
Mrs.N.Vishnudevi AP/EIE	Online FDP on “Inculcating Universal Human Values in Technical Education”	Online Mode / AICTE, NewDelhi	17.05.2021 to 21.05.2021
Mrs.V.Malarvizhi AP/EIE	Online FDP on “Inculcating Universal Human Values in Technical Education”	Online Mode / AICTE, NewDelhi	17.05.2021 to 21.05.2021

### NPTEL Online Certification Courses (Staff)

Name of the Staff & Designation	Course Title	Course duration	Course conducted by	Award
Dr.S.Nagammai, Prof & Head / EIE	Nonlinear and Adaptive control	Jan-Feb 2021	Online –IIT Madras	Course completed

### Short Term Courses /Seminars / Conferences / Workshops / Symposium Organized

Date	Topic / Title	Number of participants	Name of the Resource person	Venue
03.01.2021	Expert talk on “Control Automation in manufacturing Industries”	III & IV year students (43)	Mr.J,Bharanidharan, Executive, Control Automation Appollo tyres,Chennai	Google meet
22.05.2021	Cold Rolling Mill Automation	III Year EIE (23 Students)	Mr.G.Karthik, Senior Engineer, Aideas Pvt Ltd, Bangalore.	Google meet
04.06.2021	National Technology Day	50 Students	Prof.S.Nagammai, HoD / EIE	Google Meet
06.03.2021	Indian Women on a Glorious Path then and Now	50 Teaching staff	Dr.A.Umarani, Prof / EIE Dr.B.Buveneswari, ASP / ECE	Google Meet

## DEPARTMENT OF INFORMATION TECHNOLOGY

### Short Term Courses / Seminars / Conferences / Workshops Attended

S.No.	Name of the faculty	Title of the event, FDP/Workshop/ Seminar	Date	Sponsored by (AICTE/ AU/ IEEE/ IET/ ISTE etc.) / Self Support
1.	Dr.JS.Kanchana, Prof/IT	Two Weeks International FDP on “Data Science”	19.04.2021 to 29.04.2021	Self Support Easwari Engineering College
2.	Dr.JS.Kanchana, Prof/IT	Exploring Real World Applications of Block Chain Technology with Machine Learning Models”	22.03.2021 to 27.03.2021	AICTE Sponsored
3.	Mr.A.Selvaraj, AP(sr.Gr)/IT	Induction/ Refresher Program on “An Effective Pedagogy Practice”	21.04.2021 to 27.04.2021	AICTE- ISTE Sponsored
4.	Mr.A.Selvaraj, AP(sr.Gr)/IT	Two Weeks International Fdp On Trends And Challenges In Machine Learning And Deep Learning	10.05.2021 to 21.05.2021	Self Support Easwari Engineering College
5.	Mr.M.Satheesh Kumar, AP/IT	International Workshop on Data Science	19.04.2021 to 29.04.2021	Self Support Easwari Engineering College
5.	Mrs.C.Majula Devi, AP/IT	Induction/ Refresher Program on “An Effective Pedagogy Practice”	03.03.2021 to 09.03.2021	AICTE- ISTE Sponsored
6.	Mrs.C.Majula Devi, AP/IT	Two Weeks International FDP on “Data Science”	19.4.2021 to 29.4.2021	Self Support Easwari Engineering College
7.	Mrs.S.Vijayasharmila, AP/IT	Exploring Real World Applications of Block Chain Technology with Machine Learning Models”	22.04.2021 to 28.04.2021	AICTE Sponsored

S.No.	Name of the faculty	Title of the event, FDP/Workshop/ Seminar	Date	Sponsored by (AICTE/ AU/ IIEEE/ IET/ ISTE etc.) / Self Support
8.	Mrs.S.Vijayasharmila, AP/IT	Induction/ Refresher Program on “An Effective Pedagogy Practice”	12.05.2021 to 18.05.2021	AICTE- ISTE Sponsored
9.	Mr.V.Aravinda Rajan, AP/IT	International FDP on Artificial Intelligence integrated Web Services	25.05.2021 to 29.05.2021	Self Support Easwari Engineering College
10.	Mr.V.Aravinda Rajan, AP/IT	Tamil Nadu State Govt.,Sponsored Five Day FDP on Cyber Security	19.01.2021 to 23.01.2021	Govt., College of Technology – Coimbatore
11.	Mr.V.Aravinda Rajan, AP/IT	AICTE Training And Learning (ATAL) Academy Short Term Training Programme on “Emerging Trends and Research Challenges in Next Generation Wireless Networks”	22.02.2021 to 27.02.2021	Kongunadu College of Engineering and Technology
12.	Mr.V.Aravinda Rajan, AP/IT	TEQIP-III Sponsored FDP on Scalable Machine Learning on Big Data	15.03.2021 to 19.03.2021	Coimbatore Institute of Technology – Coimbatore
13.	Mr.V.Aravinda Rajan, AP/IT	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Machine Learning on Recent Trends & Applications"	10.05.2021 to 15.05.2021	Srinivasa Ramanujan Institute of Technology
14.	Mr.V.Aravinda Rajan, AP/IT	Internet of Things and Applications in 5G	05.01.2021 to 09.01.2021	Self Support Easwari Engineering College
15.	Mrs.S.Jeniba, AP/IT	Exploring Real World Applications of Block Chain Technology with Machine Learning Models”	22.4.2021 to 28.4.2021	AICTE Sponsored

**Short Term Courses / Seminars / Conferences / Workshops / Symposium Organized**

<b>Date</b>	<b>Topic / Title</b>	<b>Details of Resource persons</b>	<b>Number of participants</b>	<b>Co-ordinator</b>
22.02.2021	AICTE Sponsored STTP on Exploring Real World Applications of Blockchain Technology with ML Models (Series - I)	Resource person from various Industries, other Educational Institute and Internal Faculty members.	61 ( Faculty members from various Institutions)	Dr.R.Alageswaran, HOD/IT Mrs.C.Manjula Devi, AP/IT Mr.J.Gautam, AP/IT
22.03. 2021	AICTE Sponsored STTP on Exploring Real World Applications of Blockchain Technology with ML Models (Series - II)	Resource person from various Industries, other Educational Institute and Internal Faculty members.	41 ( Faculty members from various Institutions)	Dr.R.Alageswaran, HOD/IT Mrs.C.Manjula Devi, AP/IT Mr.J.Gautam, AP/IT
22.04.2021	AICTE Sponsored STTP on Exploring Real World Applications of Blockchain Technology with ML Models (Series - III)	Resource person from various Industries, other Educational Institute and Internal Faculty members.	75 ( Faculty members from various Institutions)	Dr.R.Alageswaran, HOD/IT Mrs.C.Manjula Devi, AP/IT Mr.J.Gautam, AP/IT
07.02.2021	Expert Talk on Artificial Intelligence	Mr.Jai Ganesh - R&D, HCL - Chennai	Second Year IT Students - 84	Dr.P.Ganesh Kumar, HoD/IT Mr.V.Aravinda Rajan, AP/IT
25.02.2021	Guest Lecture on Design your own algorithm	Mr.D.Vendhan - AP/IT, Kamaraj College Engineering, Vrudhunagar	Second Year IT Students - 84	Dr.P.Ganesh Kumar, HoD/IT Mr.V.Aravinda Rajan, AP/IT

### Students internship Details

S. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Duration	Nature of the activity
1.	Remote Internship Programme	Honeywell Technology Solutions, Madurai	Sandhiya K S	Dec 2020 to May 2021	Internship
2.	Remote Internship Programme	Honeywell Technology Solutions, Madurai	Swetha A V	Dec 2020 to May 2021	Internship
3.	Remote Internship Programme	Honeywell Technology Solutions, Madurai	Pavithra Devi K H	Dec 2020 to May 2021	Internship
4.	Remote Internship Programme	Honeywell Technology Solutions, Madurai	Harshini P	Dec 2020 to May 2021	Internship
5.	Remote Internship Programme	Honeywell Technology Solutions, Madurai	Santhosh R B	Dec 2020 to May 2021	Internship
6.	Remote Internship Programme	Honeywell Technology Solutions, Madurai	Vishok Kumar S	Dec 2020 to May 2021	Internship
7.	Internship	Vuram Technologies	Aravindan GK	18.01.2021 to 31.05.2021	Internship
8.	Internship	Vuram Technologies	Sri Harish ARJ	18.01.2021 to 31.05.2021	Internship
9.	Internship	Cognizant Technology Solutions	Yugendran RS	(From Jan 2021) 6 Months	Internship

<b>S. No.</b>	<b>Title of the collaborative activity</b>	<b>Name of the collaborating agency with contact details</b>	<b>Name of the participant</b>	<b>Duration</b>	<b>Nature of the activity</b>
10.	Internship	Cognizant Technology Solutions	Pragadheesh	(From Jan 2021) 6 Months	Internship
11.	Internship	Cognizant Technology Solutions	Poorvaja	(From Jan 2021) 6 Months	Internship



## DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

### Publications in International / National Journal

1. Mr. R.Somas Kandan.,Associate Professor.,“Performance enhancement of image segmentation analysis for multi-grade tumour classification in MRI image” International Journal Published in IET Image Processing,vol.14 iss.17,pp.4477-4485,2020.(Institution of Engineering and Technology Publication).

### Quality Improvement Programs

Name and of the staff & Designation	Programme	Place	Date
Mrs.M.S.C.Sujitha, AP	Workshop - "Python for Scientific Computing"	NIT -Warangal	07.06.2021 to 11.06.2021
Mrs.R.Kiruthika, AP			
Dr.S.R.Raja, ASP			

### Expert talk:

Date	Topic/Title	Details of resource person	No. of Participants	Co-ordinator
17.02.2021	Power of Open Source to Fetch the MNC Job Opportunities	MR.C.CHELLAPA NDI., Senior Red Hat Instructor Winways	56	Mrs.R.Kiruthika., AP/MCA

**Short Term Courses/Seminar/Conferences/Workshops/ Symposium Organized**

Date	Topic/Title	Details of resource person	No. of participants	Co-ordinator / Co-Coordinator
08.03.2021 to 13.03.2021	AICTE Sponsored Six Day Online STTP "Effective Teaching Methodologies Through Optimistic Modern Teaching Aids"	<p><b>Dr.K.Mohan</b> , Associate Director, VIT</p> <p><b>Dr. P.Ganesh Kumar</b> , Prof/KLNCE</p> <p><b>Ms.R.Santhiya</b> , Director/ ABG, Cyber solutions</p> <p><b>Mr.R.Santhosh Kumar</b> , Director/ Accent Techno Soft</p> <p><b>Dr. C. Balakrishnan</b> , Assistant Professor / Alagappa University</p>	45	<p>1. Dr .MR.ILLANGO., Director/M.C.A., Co-ordinator.</p> <p>2. Mrs.MSC.Sujitha., AP/MCA., Co-Coordinator.</p> <p>3. Mrs.R.Kiruthika., AP/MCA., Co-Coordinator.</p>

**Short Term Courses/Seminar/Conferences/Workshops/ Symposium Organized**

Date	Topic/Title	Details of resource person	No. of participants	Co-ordinator
19.04.2021 to 24.04.2021	AICTE Sponsored Six Day Online STTP "Effective Teaching Methodologies Through Optimistic Modern Teaching Aids" - SERIES 2	<p><b>Dr.K.Mohan</b> , Associate Director, VIT</p> <p><b>Dr. K.Ramkumar</b>, Professor/EIE / Sastra University</p> <p><b>Ms.R.Santhiya</b> , Director/ ABG, Cyber solutions</p> <p><b>Mr.Mohana Maniganda Babu</b>, Mechpro Technologies</p> <p><b>Mr.S.Santhosh Kumar</b> , Assistant Professor/ Alagappa University</p> <p><b>Dr. C. Balakrishnan</b> , Assistant Professor / Alagappa University</p> <p><b>Mr.R.Muthuswami</b> , Macro Vision / Bangalore</p> <p><b>Dr.T.Senthil Kumar</b>, Professor/CSE/ Amirtha Institute</p> <p><b>Dr.R.Alageswaran</b> , HOD / IT / KLNCE</p>	40	<ol style="list-style-type: none"> <li>1. Dr .MR.ILLANGO., Director/M.C.A., Co-ordinator.</li> <li>2. Mrs.MSC.Sujitha., AP/MCA., Co-Coordinator.</li> <li>3. Mrs.R.Kiruthika.,AP/MCA., Co-Coordinator.</li> </ol>

Date	Topic/Title	Details of resource person	No. of participants	Co-ordinator
17.05.2021 to 22.05.2021	AICTE Sponsored Six Day Online STTP "Effective Teaching Methodologies Through Optimistic Modern Teaching Aids" - SERIES 3	<p><b>Dr.A.V.Ramprasad</b>, Principal/KLNCE</p> <p><b>Dr.T.Senthil Kumar</b>, Professor/CSE/ Amirtha Institute</p> <p><b>Ms.R.Santhiya</b>, Director/ ABG, Cyber solutions</p> <p><b>Mr.R.Santhosh Kumar</b>, Director/ Accent Techno Soft</p> <p><b>Dr. C. Balakrishnan</b>, Assistant Professor / Alagappa University</p> <p><b>Mr. V.Sivakumar</b>, Director@BioXplora</p> <p><b>Dr.M.R. Thansekhar</b>, Prof/Mech/KLNCE</p>	35	<p>1.Dr .MR.ILLANGO., Director/M.C.A., Co-ordinator.</p> <p>2.Mrs.MSC.Sujitha., AP/MCA., Co-Coordinator.</p> <p>3.Mrs.R.Kiruthika., AP/MCA., Co-Coordinator.</p>

**Specific Workshop for Admission:**

Date	Topic/Title	Details of resource person	No. of participants	Co-ordinator
28.05.2021 and 29.05.2021	IDEAL TRAINING FOR IT CAREER (ON LINE MODE)	<b>Mr.R .Aravindan,</b> InfoSys (MCA Alumuni) <b>Mr.S.Rajendiran,</b> Silicon Software Services. <b>Mr.P.Yogesh,</b> Galaxy Infotech (MCA Alumuni) <b>Mr.L.Sudhan,</b> IT Analyst, TCS	60	1.Dr.C.Ashok Baburaj., ASP/MCA., 2.Mr.RSomaskandan., ASP/MCA.,

## DEPARTMENT OF MANAGEMENT STUDIES

### Publications in International / National Conference

1. B.Shanthi,AP(SG)-MBA “Sustainable Development in Agriculture through Information Technology in India”**South Asian Regional Virtual Conference & Journal Published** at SreeSaraswathiThyagaraja College Coimbatore
2. T.Shobanadevi,AP-MBA “Sustainable Development in Agriculture through Information Technology in India”**South Asian Regional Virtual Conference & Journal Published** at SreeSaraswathiThyagaraja College Coimbatore

### Quality Improvement Programs

Name and Designation of the Staff	Seminar / Workshop /Course Attended	Venue	Date
B.Shanthi	Technology Development in Efficient Teaching MethodsSeven days Online National Level FDP	Pachaiyappa’s College, Chennai	23.06.2021 to 29.06.2021
B.Shanthi	Professional and Communicative EnglishSix days Online National Level FDP	SreesaraswathiThyagaraja College, Coimbatore	16.06.2021 to 22.06.2021
T.Shobanadevi	Professional and Communicative EnglishSix days Online National Level FDP	SreesaraswathiThyagaraja College, Coimbatore	16.06.2021 to 22.06.2021
Dr.Hariharan KS	India Data Portal Maaster class webinar	Bharati Institute of Public Policy at Indian School of Business	16.06.2021
B.Palanivelrajan	Job Hunting in the 21 <sup>st</sup> Century – A Challenge International Webinar	Sourashtra College (Autonomous)	30.04.2021
T.Shobanadevi AP-MBA	Effective Teaching Methodologies through Optimistic Modern Teaching AidsAICTE sponsored Online STTP	K.L.N College of Engineering (Autonomous)	08.03.2021 to 13.03.2021
B.Palanivelrajan AP-MBA	Success of Women in Pandemic Webinar	Sourashtra College (Autonomous)	09.03.2021
B.Shanthi AP(SG)-MBA	Implications of Farm Bills 2020 on Indian Agricultural Sectors National Webinar	Pasumpon Muthuramalinga Thevar College, Usilampatti	22.02.2021
T.Shobanadevi AP-MBA	Millets - Nutri Cereals - emerging super foods to achieve food & nutritional security & its scope in India Webinar	SreeNarayana Guru College, Coimbatore	15.02.2021

**Students Participation in National Conferences Technical Symposiums and other Events**

<b>Date</b>	<b>Topic / Title</b>	<b>Details of Resource person</b>	<b>Number of participants</b>	<b>Co-ordinator</b>
27.10.2021	Inauguration of "SAMBHAV" E-National Level Awareness Programme – 2021	Khadi & Village Industries Commission, Madurai	60 (I Yr – I Sem)	
08.10.2021 & 09.10.2021	Two Day Workshop on Entrepreneurship	Sakthi Arjun, Dr.Arjun Ramaswami, Palaniappan	25 (II Yr III – Sem)	
26.08.2021	Digital Leadership Yi Session	Ms.Mansi Thakkar Leadership Trainer Founder MTTs LLP, Mumbai Thro Zoom ID 955 4649 3116	25 (II Yr III – Sem)	
19.08.2021	Discover Your Passion	Thro Zoom ID 934 8184 7839	25 (II Yr III – Sem)	
12.07.2021	Free Financial Education	Investment Planning Programme Thro Google Meet KNJ-THYF-WTZ Prof.T.S.Vidyasagar, Certified Personal Finance Advisor & Resource Person, Sebi	25 (II Yr III – Sem)	
21.06.2021	Reinventing Future Technology Economically with Krithik Host	– Master Krithik Vijayakumar CEO of Futura Robotics Startup Grind, Madurai. Thro Zoom 939 3713 9624	25 (II Yr III – Sem)	
10.06.2021	All About Digital Marketing	Madurai Chapter, Thro Zoom 939 3713 9624	25 (II Yr III – Sem)	
03.06.2021	KLNCE Cultural Literary Association	KLNCE	25 (II Yr III – Sem)	
31.05.2021	Get Set Shoot	Thro Zoom 962 2023 7907	25 (II Yr III – Sem)	
18.02.2021	Entrepreneurship Development Programme	Automobile Department, KLNCE	I - MBA	

### NPTEL Online Certification Courses (Staff)

Name and Designation of the Staff	Course Title	Course Duration	Course Conducted by	Award
B.Shanthi AP(SG)-MBA	Integrated Marketing Management	Jan – March 2021	NPTEL	ELITE
T.Shobanadevi AP-MBA	Consumer Behavior	Jan – March 2021	NPTEL	ELITE

### Guest Lectures Delivered by Staff :

Date	Topic	Venue	Staff Name
26.03.2021	Overview of Securities Market and Career Growth	KLN College of Engineering	Dr. T.Jothimurugan
13.02.2021	Small enterprise Management Personal value and Ethics	VAPS – Training Institute Chokkikulam, Madurai	Dr.T.Jothimurugan

### Guest Lectures

Date	Topic / Title	Year	Details of Resource Person
01.03.2021	“Intellectual Property Rights”	I- MBA	Dr.ManjulaGaneshkumar Associate Professor, TSM
08.02.2021	“Tax Planning & GST” through CISCO WEBEX	I- MBA	ShriSelva Kumar Leading Auditor, Madurai.



## DEPARTMENT OF MATHEMATICS

### Students Participation in National Conferences / symposium and other Events / Sports

Activites :

Name of the student	Year	Title of the event	Venue/Date	Prize won
T.G.Karthiyayini	I	Online Quiz Competition -World Mathematics Day	05.05.2021	I
K.S.Madhumaaligashree			05.05.2021	II
R. Gayathrerangasri			05..05.2021	III

## DEPARTMENT OF PHYSICS

### Publications in International Journal

Name and Designation of the Staff	Title of the Paper	Name of the Journal
Dr. N.R. Ramanujam ASP1/Physics	A comprehensive review on cellulose nanocrystals and nanofibers : Pretreatment, preparation and characterization	Polymer Composites
	Waveguides including negative permeability and simultaneously negative permittivity and permeability materials for sensing materials	Optik

### Quality Improvement Programs

Name and Designation of the Staff	Seminar / Workshop / Course Attended	Date / Venue
N.V. Karthikeyan	Functionized Novel materials and its applications towards Photo/Electrochemical Biosensors	18.2.2021, 1 day
	Current Trends in Physics	23.3.2021, 1 day
M.Manjula devi	Energy materials	04.06.2021, 1 day