



HINDUSTHAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

Valley Campus, Pollachi Highway, Coimbatore - 641 032, TamilNadu, INDIA.

Department of Electrical and Electronics Engineering

EEE NEWSLETTER



HOD'S DESK

I take this opportunity to congratulate all the faculty and students of the department who have taken immense effort in organizing and conducting various events.. I also encourage you all to do more in the fore coming months of this academic year. I congratulate the faculty who have published papers in journals NPTEL ,industry visit and applied for funding proposals.

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Dr.T.VANDARKUZHALI/ k.MATHAN, Electrical and Electronics Engineering,
ASSOCIATE PROFESSORS, TECHNOLOGY DEVELOPMENT IN ELECTRICAL
ENGINEERING, On 30.10.2020 **No. of Participants :81**



Dr.Sekar K & Prof.T.Manjula AP / EEE, Associate Professor,
“Yuyara paranthu Kondaduvoom” On 04.06.2020 **No. of Participants : 60**



Dr.T.VANDARKUZHALI/ T.MANJULA, Electrical and Electronics Engineering,
ASSOCIATE PROFESSOR/ASSISTANT PROFESSOR, placement tips for C On 30.10.2020 and 31.10.2020 **No. of Participants :92**



Dr.Sekar K & Mr.Khaja Najumudeen, EEE, Associate Professor,
“Insights into IIOT” On 13.06.2020 **No. of Participants : 60**



Dr.Sekar K & Dr.M.Karpagam Associate Professor / EIE Co-COORDINATORS: Mr.R.Vinoth Kumar, AP/EIE,
Mr.A.Khaja Najumudeen, AP/ EEE, EEE & EIE, Associate Professor, “**International Technical Talk on**
“**AI, Machine Learning and Renewable Energy Technology**” On 01st August-03rd August 2020 **No. of Participants : 60**



Dr.Sekar K & Mr.Joshua Daniel S, EEE, Associate Professor,
“Think Every Opportunity As the Last One” On 27.06.2020 **No. of Participants : 80**



EVENTS

20-10-2020, WEBINAR, ROLE OF ENERGY MANAGERS & ENERGY AUDITORS IN INDUSTRIAL SECTOR, **Dr. Subash Kumar C S**, Associate Professor, Department of EEE, PSGITAR, Coimbatore, ENERGY CLUB

01-08-2020 to 03-08-2021, TECHNICAL TALK, AI, MACHINE LEARNING AND RENEWABLE ENERGY TECHNOLOGY, Day 1: Dr.Dharam Singh Jat Professor of Computer Science at Namibia University of Science and Technology Namibia. Day 2: Dr.Aizat Faiz Ramli Senoir Lecturer Electronic Technology University, Kula Lumpur, Malaysia. Day 3: Dr.M.Shamim Kaiser Professor, Institute of Information Technology of Johangirnagar University, Dhaka, Bangladesh, **Dr. Sekar K & Mr. Khaja Najumudeen A**

23-06-2020, WEBINAR, THERMOELECTRIC ENERGY CONVERSION SYSTEMS, Dr. S. Manikandan Assistant Professor, SRM Institute of Science & Technology, Chennai, Tamil Nadu, India. **Mr. Radhakrishnan P & Dr. Mathan K.**

18-06-2020, WEBINAR, WHAT NEXT AFTER B.E/B.TECH. IN GOVERNMENT SECTOR, Mr. Vivekanandhan, Co-Founder, Masters Academy, Coimbatore, **Mr. Gobinath K & Mr. Vijayanandh D**

11-06-2020, WEBINAR, SOLAR PHOTOVOLTAIC TECHNOLOGY, Dr. D. Sakthivadivel, Assistant Professor (Sr.), Dept of Thermal & Energy Engg (DTEE), School of Mechanical Engineering, Vellore Institute of Technology (SMEC), Vellore, Tamil Nadu, India., **Mr. Radhakrishnan P & Dr. Mathan K**

04-06-2020, WEBINAR, UYARA PARANTHU KONDADUVOOM, Dr.Vijayakumar, Psychiatrist, Coimbatore, **Dr. Sekar K & Ms. Manjula T**

04-06-2020, WEBINAR, UYARA PARANTHU KONDADUVOOM, Dr.Vijayakumar, Psychiatrist, Coimbatore, **Dr. Sekar K & Ms. Manjula T.**

INDUSTRY INSTITUTE INTERACTION



CONGRATULATIONS



As per the our syllabus concern our EEE students has successfully completed their industry training in government and private industry for 14 days.

PUBLICATIONS

- Dr.N.P.Ananthamoorthy**, ANN Classification and Modified Otsu Labeling on Retinal Blood Vessels, Doi/10.2174/1574362414666191018104225 Volume 215, Issue No.4,Page No.512-520, Journal of Therapy Current Signal Transduction, 2020, Web of Science Indexed , 0.88
- Dr.N.P.Ananthamoorthy**, State-of-the-Art Techniques in Optic Cup and Disc Localization for Glaucoma Diagnosis: Research Results and Issues, Volume 48, Issue 1, Page No. 63 – 83, Critical Reviews in Biomedical Engineering, 2020, SCI indexed, 1.14
- Dr.N.P.Ananthamoorthy**, Deep Learning Approach to Predict and Garde Glaucoma from Fundus Images through Constitutional Neural Networks, BOOK CHAPTER Chapter 5, Book Title: Artificial Integelligence Trends for Data Analytics using Machine Learning a deep Learning Approaches, 2020, CRC Press, 2.21
- Dr.K.Sekar**, An Automated Framework to Segment and Classify Gliomas using Efficient Segmentation and Classification, Vol.29, No. 10S, Page No. 7539-7547, International Journal of Advance Science and Technology, 2020, Scopus Indexed, 1.22
- Dr.Vandarkuzhali.K.T**, Detection of Foveo Region in Retinal Images using Optimization based modified FCM and ARMD disease Classification with SVM, Vol. 32, Issue. 1, International Journal of Biomedical Engineering and Technology, 2020, SCI indexed
- T.Murugeswari**, Cooperative and Optimized Qos Enhanced Distributed Multipath Routing Protocol in Hybrid Wireless Networks, Volume 9 / Issue 5 pp. 1656-1664, International Journal of Innovative Technology and Exploring Engineering, 2020, Thomson reuters indexed, 1.20
- Muthuram G, R.Rajesh kanna & Khaja Najumudeen**, Future Challenges in Energy Management System for Hybrid Renewable Energy System, Volume 8, Issue 6, Volume 8, Issue 6, 2020, Thomson reuters indexed,
- M.P.Viswanathan, Muthuram G, R.Rajesh kanna & Khaja Najumudeen**, Wind Energy Generation using Giga Turbines, Volume 83, page Number 18044-18053, Test Engineering and Management, 2020, Thomson reuters indexed
- T.Manjula**, ECSORRMAN: Optimal Random Route Selection and Elliptic Curve Cryptography Based Security Schema for Mobile ADHOC Network, Volume 12, Issue 03-Special Issue, Page No.409-419, Journal of Adv Research in Dynamical & Control systems , 2020, SCI indexed, 2.4
- T.Manjula**, Secured And Adaptive Learning Based Routing Scheme (Salrs) For The Secured And Reliable Routing In Manet, Vol 7, Issue 11, Page No. 772-780, Journal of Critical Reviews, 2020, Thomson reuters indexed, 1.2
- D.Vijayanandh**, Novel Architecture Design to Improve Security for Block Chain Technology in Crypto Economic Market using IoT, Vol.83, Page No. 3375-3381, Test Engineering Management, 2020, Scopus Indexed
- D.Vijayanandh**, Design and Implementation of Intelligence System for Potholes Detection Using LAB VIEW, Vol. 24, Issue 03, International Journal of Psychosocial Rehabilitation, 2020, Scopus Indexed
- D.Vijayanandh**, Improving Security on Block chain and its Integration with IoT, BOOK CHAPTER Chapter 06, ISBN No. 978-0-367-43137-2, Book Title: Block chain Technologies. Fundamentals and Annlications. 2020. CRC Press.

COURSERA – STUDENTS REGISTERED & COMPLETED COURSE DETAILS (Jun 2020 – Sept 2020)

The following below table shows the COURSERA courses registered and completed by the EEE STUDENTS for the aca year 2020-21 odd semester.

S NO	YEAR	BATCH	TOTAL NO OF STUDENTH STRENGTH	DETAILS	
				REGISTERED	COMPLETED
1	FINAL YEAR	2017-2021	106	106	72
2	THIRD YEAR	2018-2022	83	83	61
3	SECOND YEAR	2019-2023	54	54	24
TOTAL			213	213	157



Vision of the Department

To manifest itself as a valuable global resource for industry and society with strong foundation. Abetting the students with innovative ethical and creative talents of endeavoring young professionals in Electrical and Electronics Engineering.

Mission of the Department

DM1: Educate the students to acquire knowledge in recent advancement of Electrical and Electronics Engineering and prepare the students for professional career and higher studies.

DM2: Inculcate the students to develop innovation for the societal needs through research oriented teaching and creative skill enhancement training.

DM3: Enunciate the students with better skills to meet the challenges of the technical world and intensify the skills towards the practical approach.

PROGRAM EDUCATIONAL OBJECTIVES-PEOS

PEO 1: Graduate will be able to execute the principles of basic science, mathematics and engineering fundamentals necessary to formulate, solve and analyze engineering problems.

PEO 2: Graduate will be able to accrete the knowledge for pursuing advanced degrees in Engineering, Science, Management, Research and Development.

PEO 3: Graduate will be able to effectuate professionalism, leadership qualities, self and continuous learning and concern for environment to meet the societal needs.

PROGRAM SPECIFIC OUTCOMES-PSOS

PSO1. Graduates will acquire the knowledge of design, performance & testing of static & dynamic Electrical Machines, Electrical Drives, Power Electronics applicable in core and related fields.

PSO2. Graduates will attain knowledge and acquire skills by applying modern software tools for design, simulation and analysis of Electrical Systems to successfully adapt in multi-disciplinary environments.



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