

From Principal's Desk . . .

Another edition of technical magazine "EnCircle" by the Department of Electronics And Communication Engineering is an occasion to celebrate-with ideas, to rethink and continue through the path we have cleared in our "Progress Through Education". When we look around us we see a strong role emerging for the Electronic engineers in the social scenario. An example glaring by absence is our concern with E- Waste Management. In this connection our NSS volunteers and leadership deserve special mention for their initiative of separating out healthy subcircuits and components from the thrown away or discarded electronic equipments. I wish this endeavour will snow ball into a movement with model for all engineering colleges to emulate. Similarly I wish that the technical magazine "EnCircle" will be a model for all departments to emulate. Appreciation to the staff and students working for the magazine.



Dr Sudha Balagopalan



Dr S.Swapna Kumar

From HoD's Desk . . .

It gives immense pleasure that department Electronics & Communication Engineering is releasing second volume of "EnCircle" newsletter. For the last one year the department contributed different workshops, conferences / seminars, student's achievement in academic, placement and extra-curricular activities that immensely added values to the department performance. This also results in good academic results and placement records. In this occasion wishing all teachers, technical staff, students, colleagues, and alumni, to work together to take our department to the next level! Finally, convey our sincere thanks to the management for their continuous support and appreciation.

DEPARTMENT ACTIVITIES

The Department of ECE hosted an International Workshop conducted by Technophilia Systems in association with Robotics and Computer Applications, Institute of USA on 'Android Application Development' on 6th and 7th February 2015.



The Department of ECE conducted a two days workshop on PCB and Arduino at Vidya Academy of Science and Technology on 9th and 14th January 2015.



The Department of ECE conducted a two days workshop on "real time signal and image processing using XILINX FPGA" on 3rd and 4th July 2015.



STAFF PARTICIPATION

1. Mr Shiju Aravindakshan M. handled a technical session on 'Signal Transforms' in the faculty development program on 'Signal Processing for Biomedical Applications', organized by Department of Applied Electronics and Instrumentation, MESCE held at MES college of Engineering, Kuttippuram from 16th to 20th November 2015.
2. Mr Ramesh C R, Asst. Professor Department of ECE published two new books as per the APJ Abdul Kalam Technological University Syllabus.

Our Vision:

Progress through the growing knowledge of Electronics and Communication technology.

Our Mission:

To emerge as a world class center of learning, research and development, integrating with the latest trends in Electronics and Communication Engineering for the service of humanity.



Releasing of Text Book on “Introduction to Electronics & Communication Engineering” as per the APJAKTU Syllabus co-authored by Mr. Muhammed Riyas A M (Asst. Professor, MCET, Pathanamthitta) & Mr. Ramesh C R (Asst. Professor, ECED, VAST, Thrissur)

International Conferences

1. Mr Rakesh V.S. presented a paper titled “Real-Time Analysis of a Multi-Server Multi-Client Architecture for Network Control Systems” in the International Conference on Trends in Research, Engg. & Developmental Sciences (TRENDS'15) held at Sahrdaya College of Engg. & Technology, Kodakara, Thrissur during June 5-6, 2015.
2. Dr S. Swapna Kumar presented a paper titled "GDFEC Protocol for Heterogeneous Wireless Sensor Network" in the Springer link of Computational Intelligence in Data Mining - Volume 1, Smart Innovation, Systems and Technologies, Volume 31, 2015, pp 345-354 in the International Conference on Computational Intelligence in Data Mining (ICCIDM-2014) on 20th -21st Dec 2014.
Dr S. Swapna Kumar. presented a paper titled “Energy efficient data aggregation of heterogeneous network using Metaheuristic approach” in Recent Trends in Sensor Research & Technology, Vol 1, No. 1 for the conference organized by DRDO sponsored titled National Conference on Wireless Communications & Sensor Networks (NCWCSN – 2014) in KL University, Vaddeswaram on 7th March 2014.
3. Mrs Sumayya P. A presented a paper titled “VANET based Vehicle Tracking Module for Safe and Efficient Road Transportation System”, in the International Conference on information and Communication Technologies, 2014
4. Mrs Sarika K. T presented a paper titled on “A Channel Coder Design for a Novel High Speed Communication System” in IEEE Xplore as part of International Conference in July 2015.

5. Ms Sruthi M. presented a paper titled “Image denoising with true pixel presence detection procedure” and published in IEEE Xplore as part of International Conference on Data Science & Engineering (ICDSE) organized by Cochin University of Science and Technology, pages: 215- 218, 26-28 August 2014. (Ref: DOI 10.1109/ICDSE.2014.6974640).
6. Dr S. Swapna Kumar presented a paper titled "IMSE: Intelligent Multimedia Search Engine" in the ROCKS' 15 in International Conference on Emerging Trends in Scientific Computing and Security Systems (ICETSCSS – 2015) on 27th March 2015.
7. Mr Ramesh C. R. presented a paper titled “Brain Computer Interface based Assistive Device”, presented for National Conference on communication, informatics and computing, 2015.

Workshops

1. Mr Rakesh V.S. participated in the Hands-on workshop on “IoT” (Internet of Things) using Intel Galileo conducted by NIT Calicut & NIELET Calicut in association with Intel Higher Education, India at NIELET Calicut on 17th to 18th September 2015.
2. Mrs Sumayya P A, Mr Varun Kesav M N, Mrs Sreebi K D have attended the 3 day short term training programme on eysight ADS and EMPro, organized by the department of Electronics, Cochin University of Science and technology, sponsored by IEEE APS Kerala chapter during 28-30 October 2015.

International Journals

1. Mr Ramesh C. R. published a paper titled “Online Home Automation & Monitoring System”, International Journal of Advanced Technology in Engineering and Science, Volume -2, Issue -12, December 2014
2. Mrs Sarika P. C. published a paper titled “Performance Optimization of Forward Aware Factor- Energy Balanced Routing Protocol in Wireless Sensor Networks”, IOSR Journal of Electronics and Communication Engineering, ISSN- 2278-2834, Vol. 9, Issue 6, Nov- Dec 2014, pp. 51-57.
3. Dr S. Swapna Kumar published a paper titled “Energy balanced routing method for wireless sensor networks” published in the TechS Vidya e-Journal of Research, ISSN 2322 - 0791, Vol. 3 (2014- 15) p p . 14-27 in 2015.



4. Dr S. Swapna Kumar published a paper titled "A Survey on Standard Techniques for Mitigating the Intrusion Events in Mobile Adhoc Network" in the International Journal of Innovative Research in Computer and Communication Engineering - Volume 3, Issue 4; ISSN(Online):2320-9801; ISSN (Print):2320-9798, pp 345-354, April 2015.
5. Mr Sojan Francis P. published a paper titled "Gesture Controlled Robotic System using Monochromatic Camera and Array of IR- Sensors", International Journal of Engineering and Management Research, Volume-5, Issue - 3, June 2015, pp. 147-152.
6. Mr Ramesh C. R published a paper titled "Self Regulated Solar Lighting System", International journal of Engineering Research, Volume - 4, Issue-1, pp: 22-26, January 2015

STUDENT ACHIEVEMENTS

1. The IETE, Institutional Students' Forum (ISF) VAST Unit has celebrated its 5th Foundation Day in a splendid & colorful manner.

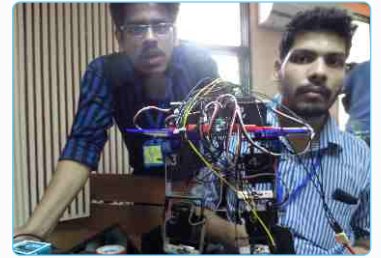


The website was launched by Dr T.K. Mani, Principal, KMEA Engineering College and the another venture of ISF Unit of publishing half yearly Newsletter "HIGHLIGHTS" was release by Dr M.V. Rajesh, Hon. Secretary, IETE Kochi Chapter & Principal, ISSAT and handed over the first copy to Dr Sudha Balagopalan, Principal, VAST.



Awarding of Appreciation Award to the IETE ISF VAST Unit from the IETE Kochi Section for the unit's Best Performance.

2. Sharoukh Akbar (S6 ECE B), Amal P Steephan (S6 ECE B), Geo Joy (S4 ECE B) and Bose Boban (S4 ECE B) had participated in the Zonal Round of Indo US Robo League held at National Institute of Technology Calicut on 1st November 2014 and won third prize and qualified for the National Round of Indo-US Robo League 2015.



QuEST Global company has recently conducted an National event - Ingenium 2015 to find out the talented B-Tech final year students all over India. Sharoukh Akbar of (S7 ECE B) is one of the Champion Ambassadors of QuEST Global.

Paper Presentations

ECE S5-A batch students participated in TATHVA '15, the annual Technical programme conducted by NIT Calicut from 30th October 2015 to 1st November 2015.

Amritha V & Jishnu K Unnikrishnan participated and SECURED FIRST PRIZE bagged 5000/- in paper presentation competition held at NITC on the topic "Minimization of Electricity Theft Using GSM Metering system".

Aashna bhoomika & Archana M. participated & SECURED FIRST PRIZE bagged 5000/- in paper presentation competition held at NITC on the topic "Quantum Computing".

Workshops

A group of five students [Joel Jose, Kailash Menon, Joseph Winson, Athul Varkey & Hari Kirshna] had registered for RC AIRCRAFT WORKSHOP which was conducted on 30th and 31st October. A group of five students [Jiji Sasidharan, Devaki Prabhakar, Gismi Subhashchandran, Rema C K & Lakshmi Priya] had registered for CANSAT SATELLITE WORKSHOP which was conducted on 30th and 31st October.



D-Zone Arts Festival Achievements

1. S Kavitha(S7 ECE B) got second prize in tamil essay writing at D Zone Arts festival 2015 held at Dr. John Mathayi Centre, Aranattukara, Thrissur on 14th February,2015.
2. Ms.Haritha V. of S4 ECE secured Gold medal in Raman Nambiar Memorial-All kerala Akshara Sloka competition.
3. Mr.Sachin (S4 ECE)secured 2nd Prize and bagged Rs.10000/- in ENIGMA unplugged music night Dyuthi'15 Band competition held at GEC Thrissur as a part of their Technical Fest.
4. Vishnu k (S7 ECE B)and Sidin David (S7 ECE B)got first prize in" WAVE MANIA" Dyuthy 2015 conducted by GEC Thrissur as a part of their Technical Fest.

Calicut University Inter Collegiate Sports Tournament Achievement

1. Mr. Rishiraj Raghu, Amal P Stephen, Abi Mathew participated in Interzone Badminton Competition and secured fourth place.



2. Mr Mayur KS participated in interzone Table tennis competition and qualified till 3rd round

Tech-Fest – VYVIDH 2015

Splendid art by using E-waste materials by the students of ECE Department was a great attraction during Vyvidh 2015.



1. Reshma N S (S6 ECE B) , Neeraja S (S6 ECE B) Vinny Ann Davis (S6 ECE B) and S Kavitha (S6 ECE B) got a cash prize of 2000Rs for participating in the National level project Exhibition, Srishti -15 conducted in connection with 'THARANG' 15 Technical fest organized by Jyothi Engineering college, Cheruthuruthy held on 28th March 2015.
2. Lakshmi C G participated in a paper presentation at Ahaliya college of engineering as part of Techfest organised by the college.

Onam Celebration

Department association conducted onam celebration on 21st August 2015 in a colourful manner.



Toppers of 2011 - 2015 Batch



Neethu Mohan
(First)



Shalia P S
(Second)



Rathna K K
(Second)

Campus Placement

- TCS - 29
- UST Global - 4
- QUEST Global - 1

TOTAL PLACEMENT: 34 OUT OF 120 students
(up to 7th semester)



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