

REFLECTIONS

ECE DEPARTMENT

VOLUME 5

ISSUE 3

JULY - SEPTEMBER 2016



HOD'S DESK

Ensuring quality, dedicated faculties and result oriented management are keys to improve quality in teaching education. There still has the scope of improvement in education as there seems to be no major breakthrough in the education sector in terms of upliftment in the condition of the students, teachers and working community connected to the education sector.



KEY GAPS

Low Employability of Graduates

Low Impact research output

Limited Focus on Entrepreneurship

FACTORS

Outdated curricula, shortage of quality faculty, high student-teacher ratio, lack of institutional and industrial linkages, lack of autonomy to introduce new and innovative courses

Low government and corporate spending, insufficient doctoral students, missing research focus and culture in most institutions, lack of international research collaborations

Few institutes offer programmes in entrepreneurship and have active incubation/entrepreneurship cells

For overall development of the students' personality, the University facilitates them through University-wide as well as departmental societies/clubs/chapters. The Electronics & Communication Department Association 'Smritihethu' conducts

technical event '**ELECTROVAGANZA**' every year.

The **ELECTROVAGANZA 2K16** was successfully conducted on Sep 30 and Oct 1. I congratulate the Department Staff members and the Students for showcasing their skills through different events.

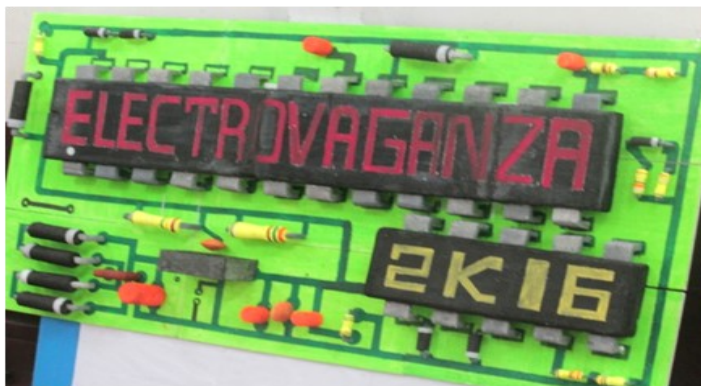
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ELECTROVAGANZA 2K16

As a part of PRAGYAN 2016, Electrovaganza is one of the most awaited event of ECE department, which was conducted over 30th September to 01st October, 2016. Like every year, it was a visual spectacle in addition to being one of the most prestigious platforms to showcase technical expertise in front of the crowd at Mangalam College of Engineering. The inauguration of PRAGYAN 2016 was held on 30-9-2016 in the digital theatre. Mr. James Thomas Plakkithottiyil, (Chairman, Ettumanoor Municipality) inaugurated the function. Dr. Abraham Chettisery, Legal Advisor delivered the presidential address. The highlights of the electrovaganza were ROBO RACE, CIRCUITRIX & QUIZITRON. The students of various engineering colleges participated in these events and the winners were given cash prizes and certificates. An exhibition was also conducted by ECE students where they demonstrate their projects. Various schools visited our campus and made them a remarkable day. The fest was meticulously planned, organized and conducted by students who worked effortlessly under the supervision of the faculty members and various coordinating teams and made a grand success.



ADD ON COURSE

For Enhancing the Technical Skill for the Students, the department has planned to conduct an Add on Course for S3 ECE students from 25/07/2016 to 29/07/2016. The syllabus covered 'Introduction to SPICE, Introduction to VHDL, Introduction to MATLAB, Device Simulation using CAD tool'. The training was provided in-house and was given by the faculty of ECE department. This also helped the students to do the experiments in their EDA workshop in 3rd semester.



MICRO PROJECT EXHIBITION

The S5 students exhibited their micro projects on 19/7/16 and the S1 students had the opportunity to visit the exhibition. The senior students explained the circuits and the juniors were very eager to see the working and they were extremely motivated by the event.



MOTIVATIONAL TALK - BY IIT GRADUATE

A motivational talk to first year & second year students was organized by ECE department on 31/08/2016. The resource person was Mr. Joseph Samuel, IIT- M graduate who secured a CGPA of 9.96 on 10 scale. The talk was on "Miscellaneous Academic Topics". The talk was a great inspiration to the students.



VEDANGA - The reading room

In order to enhance the co-curricular skills of students, KTU has mandated that they should be part of some sort of hobby club. So the Department of Electronics & Communication has taken initiative to start a student reading club named "**VEDANGA**".

The Chief Guest was Mr. Tom J Mangatt, Co-founder & CEO of www.indulekha.com, Kerala's No:1 online bookstore. He inaugurated the club on 08/09/2016 at Digital Theatre and gave the inaugural address. He also delivered a talk on the "Power and Importance of Reading".



GREEN MANAGEMENT & TECHNOLOGY

An international lecture series on "GREEN MANAGEMENT AND TECHNOLOGY", by Mr. Henry Aspeqvist from Sweden was conducted from 16/08 to 25/08.

The program focused on creating awareness among the students about the latest trends in engineering and its relevance in environment, sustainability engineering and management. The S1, S3, S5, S7 and PG students attended the talk.



IEEE STUDENT CHAPTER

The IEEE student chapter was inaugurated on 29/08/16 at our Digital theatre. The chief guest of the day was Prof. Biju K, Member of Executive committee of IEEE, Kerala section. He inaugurated the chapter and gave an inaugural address. Prof. Asha Panicker, HOD, ECE, delivered the welcome speech, Dr. Mary Thomas, Principal gave the presidential address, Prof. Manoj George, Vice Principal delivered the felicitation and Prof. Benny K K, HOD, EEE delivered the vote of thanks.



INDUSTRIAL VISIT

The students of S5 and S7 went for industrial visit on 20/7/16 & 11/8/16 respectively. S5 students visited Doordarshan, Kochi. They visited the High power Transmitter section. S7 students visited Ostrich Mobility in Bangalore where they got an opportunity to explore the technical details of powered wheelchair.



CONGRATULATIONS



The department congratulates Mr. Vishnu Sekhar and Mr. Arun Valsalan of S5 ECE for securing 2nd Prize in the circuit debugging held as a part of SFERICS 2K16, the National Level Technical Fest organized by the Department of Applied Electronics & Instrumentation Engineering at Saintgits college of Engineering, Pathamuttom, Kottayam on 5th & 6th August 2016.



JOB OFFER

Hearty congratulations to Ms. Vineetha Vijayakumar, Ms. Reshma annie Varkey, Mr. Visal K K, Mr. Vishnu Gopan, Ms. Sreelekshmi Prakash, Ms. Anugraha Achu John, Ms. Divya S Kumar, Ms. Gisina Susan Varghese for getting placed in Audrey Technologies.

STAFF CORNER



Mr. Joby John & Mr. Nikhil Thomas, Asst. Professors, attended a one day workshop on "Building up Societal Innovators" organised by The Institute of Engineers, Kerala State Centre held at Thiruvananthapuram on 26th July 2016. The workshop was inaugurated by Dr. M. Abdul Rahman, Pro Vice Chancellor, KTU. The concluding ceremony was presided over by Dr. Kuncheria P. Isaac, Vice Chancellor, KTU.



Mr. Rakesh S, Assistant Professor, has become the **LIFE MEMBER** of Indian Society For Technical Education (**ISTE**). He has been selected as the **Reviewer** of International Journal of Engineering Development and Research. He also has been selected as the **Reviewer** of International Journal for Innovative Research in Science & Technology.

WEDDING BELLS

Hearty congratulations to Mr. Kevin Varghese Kaleekal, for getting married to Ms. Rinu Samuel on July 4th, 2016. We wish them all the very best for a happy married life.

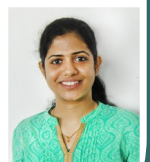


FAREWELL

The department has given farewell to Mr. Jinu Isaac Kuruvilla, Assistant Professor. He, after offering a dedicated service of 5 years left the college to join the embedded industry in Bangalore.

NEW MEMBERS OF ECE FAMILY

Mariya Vincent completed her M.Tech degree in VIT University, in 2014. Her research interests include next generation wireless communication networks, multihop relay networks and HetNets.





Dhanoop K Dhanpal obtained his M.Tech Communication Engineering from M.G University in 2015. His research interest is communication.

Kriza Baby took her M.E in Communication Systems from Anna University, Chennai in 2012. Her research interest is in cognitive radio.



Mariya Stephen obtained her Mtech in VLSI & Embedded systems from SCMS, Cochin in 2015. Her research interest is VLSI.

Neethu Thomas completed her M.Tech degree in Signal Processing, from College of Engineering, Trivandrum. Her area of research interest is Signal Processing.



Neethumol Jose obtained her M.E in Communication Systems, from Anna University, Chennai in 2013. Her area of research is Communication systems

FUN ZONE

1. Find three positive whole numbers that have the same answer when added together or when multiplied together.
2. Today my car meter reads as 72927 kms. I note that this is a palindrome. How many minimum kms I need to travel so that my car meter finds another palindrome.
3. Can you arrange four nines to make it equal to 100. You can use 2 mathematical symbols.
4. A claustrophobic person gets on a train. The train enters a tunnel just as it is leaving the station. Where is the best place for him to sit?
5. Does a pound of gold or a pound of feathers weigh more?

1. $1 \times 2 \times 3 = 6, 1 + 2 + 3 = 6$
2. 110 Kms. $(72927 + 110 = 73037)$
3. $99 + 9/9 = 100$
4. At the back. The train will be accelerating & it will be going faster when the back of the train enters the tunnel. So a person at the back will spend less time in the tunnel.
5. Both weigh same (a pound each)

ANSWERS

ONAM CELEBRATION 2016

ONAM - A festival that brings about a unique tradition of a state which reflects in the way the people of Kerala dress on the day of Thiruvonam. It is in honour of King Mahabali that Onam is celebrated. Onam was celebrated by the students and staff of Mangalam College of Engineering on September 9, 2016. Er. Biju Varghese, Chairman of Mangalam College of Engineering, inaugurated the celebrations. All the staff as well as students were in the traditional dress. Onam was celebrated with Pookalam competition which was conducted departmentwise and it was really good to see the unity among the departments during the participation. There was a Pookalam for the college by the faculty members. Thereafter management provided payasam for all students. The staff club arranged sadya for the staff members. The day also marked a tradition that the people of all religions, castes and communities celebrate with equal joy and verve.



PUBLISHED BY : DEPARTMENT OF ECE, MLMCE
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