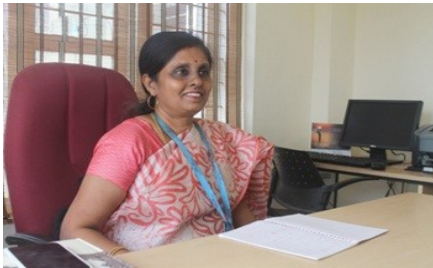


# REFLECTIONS

## ECE DEPARTMENT



### HOD'S DESK

JAN - MAR 2017

VOLUME 6, ISSUE 1

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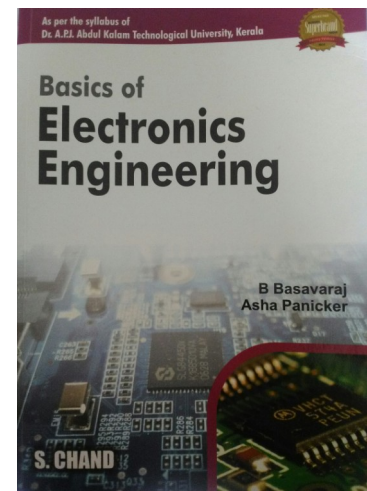
A reader has to learn only as much technology as it's needed to fully enjoy the magic of reading. Reading in times of digital content is changing, but it doesn't mean it gives less pleasure. Just the opposite.

There is absolutely no difference between a hardcover book or an audio book or a multimedia book application. There is no difference between a high quality paper or e-ink screen or a high-resolution Retina display.

I am fortunate to be the co-author of Book "Basics of Electronics Engineering" published by S.Chand and Company Limited, New Delhi. I dedicate this Book to my students.

The biggest pleasure comes from *what* we read, not from *on what* we read. The real difference, though, lies in our attitude to reading. Gilbert K. Chesterton once said: "There is a great deal of difference between an eager man who wants

to read a book and the tired man who wants a book to read."



# INDUSTRIAL VISIT

On the 10<sup>th</sup> February 2017, the department of Electronic & Communication Engineering had organized an industrial visit for forty four students of the fourth semester B.Tech who were accompanied by two of the faculties of the department. The visit was to the High Power Transmitter Doordarshan, situated in Kakkanad, Kochi. Doordarshan is an Indian Public Service Broadcaster. It is one of India's largest Broadcasting Organization in India in terms of studio and Transmitter Infrastructure. The DD provides television, radio, online and mobile Services throughout metropolitan and regional India, as well as overseas through the Indian network and Radio India.

The group was taken to the training hall first and foremost as soon as reaching the plant. Within the industry premises Mr. C.V Joy, Assistant Engineer took charge and had taken the group to the plant around noon and briefed up with the Basics of TV Transmission and Reception.



# WORKSHOP

The workshop on **AVR MICROCONTROLLER** organized by the Embedded Systems Research group and SMRITHIHETHU was conducted on 30<sup>th</sup> and 31<sup>st</sup> January 2017 ,in VLSI & Embedded systems Lab.

The objective of the program was to give awareness about AVR microcontroller to S2 students of ECE under KTU. The resource persons were from UNITED NDT TRAINING & INSPECTION CENTRE, Cochin.

The workshop included the following sessions :

- Introduction to C program & Embedded system (Theory)
- AVR microcontroller and its port programming (Theory + Lab)
- Display Interfacing (Theory + Lab)
- Keypad Interfacing (Theory + Lab)

The main outcome of this program was that the students were able to do port programming, display & keypad interfacing with AVR microcontroller. The workshop was supervised by Mr.Joby John, Ms.Jyothisree K R and Mr.Nidhish Antony, Asst.Professors, ECE Dept.



# OPEN HOUSE

PTA meeting for S6 ECE students (2014-2018) was conducted on 21/2/2017. Dr. M.M Paulose , Principal of Mangalam college of Engineering and Prof. Asha Panicker HOD of ECE department addressed the meeting. There is a interactive section with principal and parents. The parents were satisfied with staff and facilities.



PTA meeting for S4 ECE students (2015-2019) and S2 ECE (2016-2020) was conducted on 24/2//2017. Dr. M M Paulose, Principal explained about the importance of the marks & activity points to the parents. Adv. Dr. Abraham Chettisserry addressed the meeting. Prof. Asha Panicker, HOD of ECE department explained the current academic status of the students and steps to improve the results with the help of tutorial hours and remedial classes. All parents individually expressed their feedback and queries regarding academic matters and activity points .



# MINI PROJECT

As a part of the curriculum, the students of S6 ECE (2014-2018) batch have done their mini projects during Jan 3 to Jan 13 2017. It was the apt platform for the students to showcase their creativity and technical knowhow. The students enjoyed the project implementation sessions.



## STUDENT CORNER

Anandu Sreenivasan from ECE S2 A, has attended a one day training on VFX and Live shooting at the training center of Infusory Designs in association with Asthra 2K17, annual tech fest conducted by SJCET Pala. The workshop focused on Green screen removing and object tracking, as a step towards creating young talents in the field of visual effects .

Students of S2 ECE A attended the one day workshop on **Channel Coding** hosted by IEEE students branch of SJCET in association with Asthra 2k17, Annual tech fest of SJCET Pala. The workshop held on 22-feb-2017, Wednesday at SJCET Pala. Workshop enabled the students to know more about channel coding & got useful knowledge for their higher semesters.

Snaz Muhammad of S6 ECE won first prize in long jump and third prize in 200m in the college sports event.



Priya G, student of M.Tech Communication Engineering published an article entitled "Near Optimal Pilot Design Schemes in OFDM Systems with Sparse Channel Estimation" in International Journal of Science & Engineering Development Research, Volume 2, Issue 2, February 2017.



## STAFF CORNER



Dr. K. Nirmal Raja joined the ECE department of Mangalam College of Engineering as Professor on 04/01/2017. He obtained his PhD under the faculty of Information and Communication Engineering from Anna University, Chennai. His area of interests are Network security, Wireless sensor network, cryptography, Digital image processing etc.

## INSPIRING QUOTES

1. Difficulties in your life do not come to destroy you, but to help you realize your hidden potential and power, let difficulties know that you too are difficult.
2. Dream, Dream, Dream, Dreams transform into thoughts and thoughts result in action.
3. Failure will never overtake me if my definition to succeed is strong enough.

A P J ABDUL KALAM

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