



REFLECTIONS

ECE DEPARTMENT

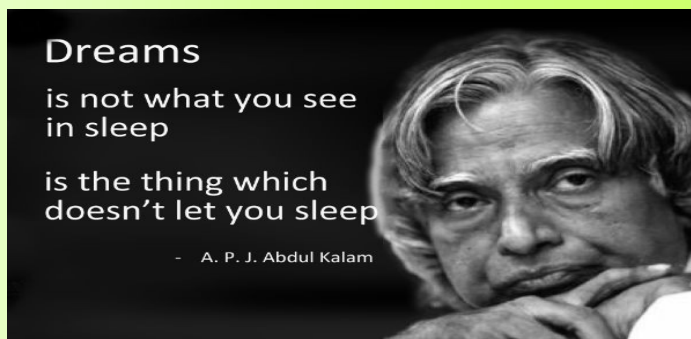
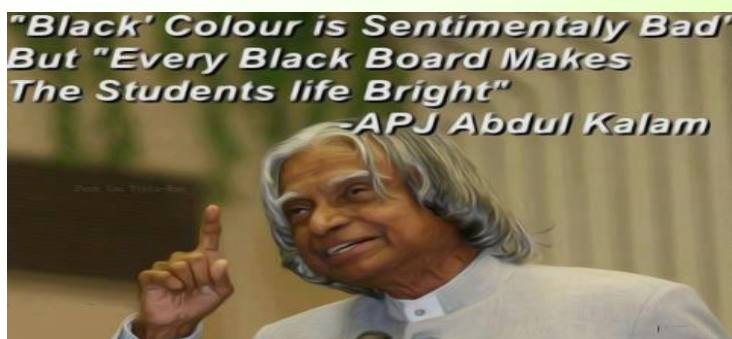
Homage to THE MISSILE MAN



Avul Pakir Jainulabdeen "A. P. J." Abdul Kalam (5 October 1931 – 27 July 2015) was the 11th President of India from 2002 to 2007. A career scientist turned reluctant politician, Kalam was born and raised in Rameswaram, Tamil Nadu, and studied physics and aerospace engineering. He spent the next four decades as a scientist and science administrator, mainly at the Defence Research and Development Organisation (DRDO) and Indian Space Research Organisation (ISRO) and was intimately involved in India's civilian space program and military missile development efforts. He thus came to be known as the Missile Man of India for his work on the development of ballistic missile and launch vehicle technology. He also played a pivotal organizational, technical, and political role in India's Pokhran-II nuclear tests in 1998, the first since the original nuclear test by India in 1974.

Dr. Kalam was elected as the 11th President of India in 2002 with the support of both the ruling Bharatiya Janata Party and the then-opposition Indian National Congress. After serving a term of five years, he returned to his civilian life of education, writing and public service. He was a recipient of several prestigious awards, including the Bharat Ratna, India's highest civilian honour.

Dr. Kalam was widely referred to as "People's President". On 27 July 2015, Dr. Kalam travelled to Shillong to deliver a lecture on "Creating a Livable Planet Earth" at the Indian Institute of Management, Shillong. At around 6:35 p.m. IST, only five minutes into his lecture, he collapsed. He was rushed to the nearby Bethany Hospital in a critical condition; upon arrival, he lacked a pulse or any other signs of life. Despite being placed in the intensive care unit, Kalam was confirmed dead of a sudden cardiac arrest at 7:45 p.m IST. His last words, to his aide Srijan Pal Singh, were reportedly: "Funny guy! Are you doing well?"



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FROM HOD'S DESK

The co-curricular activities should definitely complement to the conventional academic curriculum.

Role of co-curricular activities in a student's life are:

- It helps to develop the all round personality of the students.
- It makes the students fit for the future time and develop a sense of competitive spirit, co-operation, leadership and team spirit.
- Success in colleges require more than high intellect. Thus college recruiters commonly examines job candidate's co-curricular activities in search of well rounded, emotionally intelligent and interpersonally skilled students.

The department of Electronics & Communication Engineering has organized '**Electrovaganza 2015**' to add valuable experience to our student's life.



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ELECTROVAGANZA 2015

AUG 11 – 12



As a part of PRAGYAN 2015, the inter-collegiate technical fest conducted by Mangalam College of Engineering, the department of Electronics and Communication Engineering conducted “**ELECTROVAGANZA**”. It included technical competitions like ROBO RACE, CIRCUITRIX, FOX HUNT & QUIZITRON. The students of various engineering colleges participated in the events and the winners were given prize money.

An exhibition was also conducted at the department with an aim to give technical exposure to students. A number of projects were exhibited and many school students were attracted by those projects. Our students explained about each projects, its working and application, to the school students. Many schools visited our campus to see the project exhibition and the feedback received from the schools was an encouraging one.

The students with the help of faculty members organized the two day technical fest in a remarkable way.





My Police App



Police in the district is going techsavvy with the Janamaithri Police at Manarcadu Police Station developing a new people friendly App for effective communication between police and the people. Chief Minister Oommen Chandy has said that the new technology-based initiatives of the Kerala police would create a feeling of security among the public. He was speaking after inaugurating the 'Manarcadu My Police App', a mobile application programme launched by the Manarcadu police for reporting crimes and accidents, within the limits of Manarcadu police station.

Vishal K.M, Lijo Joseph, Shins M Thomas & Charles K Baby (2009-2013 Batch of ECE Dept) has developed this mobile application named '**My Police App**'. The application helps the public to seek service of the police efficiently compared to conventional dialing service.

Speaking to media persons, the District Police Chief then, Mr. M.P. Dinesh said the App named 'Manarcadu My Police App' is based on WhatsApp and would enable the users to send messages and images at the touch of a finger. Those who travel alone in taxi can send the taxi number and image, destination and other details to the police as a measure of security. This will enable the police to keep a watch on such individual issues, he said.



TRAINING AND PLACEMENT



Placement training for eligible final year students of Electronics and communication was decided to be conducted in 2 parts. The first part was conducted in the month of July 2015. The placement training was handled by 1 team from the department and 2 external trainers. The external trainers were:

- Dr. Manikandan S- Soft skill Training
- Trainers from **Rise High** – Quantitative Aptitude and English written-Communication.

The second part of training was conducted in the first and second week of September 2015. These sessions were handled by internal team. The sessions given to the students were:

- Logical reasoning and Quantitative Aptitude, Group discussion. & Interview.

The training for current final year students is completed with the second part. The Department regularly conducts exams on placement related topics. The company recruitment process is expected to start by mid September.



FINAL YEAR TOUR (AUG 13-16)

Students of semester 7 went for tour in two groups. The students of 7 B went to Bangalore, Coorg, Hoggenekkal, Thekkady while the students of 7 A went to Hoggenekkal and Hyderabad. The tour was a memorable one and the students enjoyed to the brim. They visited the Golconda Fort which is an ancient monumental destination. The boat ride along the tributary of Cauvery River at Hoggenekkal Falls was equally enthralling. Ramoji Film City was also a day long treat for the students group. Thekkady well known for the Periyar Tiger reserve treated the students with an experience which will last in their minds for a long time to come. The Golden Temple at Coorg handed a spiritual as well as mesmerizing experience. The four days tour will certainly remain in the student's minds as the most savored moments.





INTRODUCTION TO PIC

By ARVIN TECHNOLOGIES



The department organized an add on course for the students of 5th semester. The course was **"INTRODUCTION TO PIC MICROCONTROLLER"** and the course was handled by Arvin Technologies, Kochi. The students were given training on PIC programming concepts so as to make them efficient in doing projects. Also they gave training on tools like Orcad, Proteus etc.



FACULTY DEVELOPMENT PROGRAM (JULY 9-10)

INNOVATIVE RESEARCH IDEAS IN MULTI - DISCIPLINARY AREAS



The program was organized to give an idea about multidisciplinary research areas for electronics engineers. This program was focused to faculty of engineering colleges, final year PG students and research aspiring persons.

The specific objectives were to:

- Expose the participants to multi-disciplinary, innovative and challenging research areas.
- Familiarize the current trends in Electronics industry both in national and international level.

RESOURCE PERSONS

- **Dr M K RADHAKRISHNAN** Scientist, Academician & A Technical Consultant Founder Director & Chief Technical Consultant of NANOREL Technical Consultant to Semiconductor and Microelectronics Industries; Editor, IEEE Electron Devices Society Newsletter.

- **Dr. M V. RAJESH** Principal of Ilahia School of Science And Technology (ISSAT), Secretary of IETE Kerala chapter. He has done his research in Signal Processing. His areas of interest in Artificial Neural Networks (ANN), Fuzzy Logic and Nonlinear System Analysis and Modeling.
- **Dr. JAISHREE V K** HOD ECE and placement officer at Model engineering college, Thrikkakara. She received her PhD in Optoelectronics from ISP CUSAT (2009). Her areas of interest are Under water optical communications & image processing
- **Dr. JOBYMOL JACOB** HOD EEE at College of Engineering, Cherthala. She was awarded her Ph.D in Micro Electronics & Device Modeling from IITM. Her areas of interest are Micro Electronics& Device Modeling.
- **DR. BABITA ROSLIND JOSE** Asst. Professor, Dept. of ECE ,School of Engineering, CUSAT. She has secured many awards and honors like UK IERI Award 2011. Her area of interest is in CMOS Mixed Signal Integrated Circuits.
- **Ms. BIJI C L** Research scholar at Bio informatics center, Kariyavattom University campus. She is exploring a novel compression strategy for entropy profiles of DNA sequence, under the guidance of Dr. Achuthsankar S. Nair, an eminent research person in the field of Bioinformatics.



WORKSHOP ATTENDED



Jinu Isaac Kuruvilla, Asst. Prof & Joby John, Asst. Prof of ECE attended a 2 day national workshop on "Emerging trends in VLSI design & Embedded System" conducted by the department of ECE, M A College Kothamangalam sponsored by KSCSTE on July 31st & August 1st 2015.



ONAM CELEBRATION 2015 (AUG 21)



Onam is the biggest and the most important festival of the state of Kerala. It is a harvest festival and is celebrated with joy and enthusiasm all over the state by people of all communities. According to a popular legend, the festival is celebrated to welcome King Mahabali, whose spirit is said to visit Kerala at the time of Onam.

If we think about onam we can see that it is also a festival of family get together. Onam creates an opportunity to bring families together and enjoy the day. We at Mangalam, as a family also celebrated onam. The celebration was conducted on 21 August 2015. Teaching, non teaching staffs & students wore traditional dresses. College was decorated with a beautiful "Athappookkalam". We conducted a competition for the best pookkalam among the various student groups and the winners were given prize.

Our management distributed "Paayasam" to all the students of the college. The celebrations ended up with serving 'Onam Sadya', the grand feast of Kerala. This is one of the most beautiful celebrations that everyone is going to cherish.

