



The ext_c Times



September 2015

Vol.2 Issue.1

Reflections

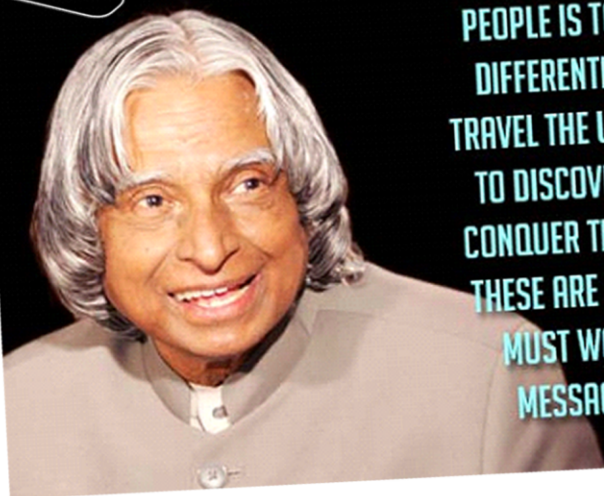


The man who ignited a thousand minds

Fondly called the 'People's President', Dr. Kalam had a multi-dimensional personality. He was well known for his passion for and contribution to science and technology in general, and space and nuclear science in particular. Called the 'Missile Man' of India, Dr. Kalam was a great inspiration for countless young minds. He always preferred to meet and talk with children. Even as a President he was never bothered about security or protocols. He chose to spend time with school and college students - just to interact and inspire.

In an exclusive interview to *The Hindu* on the occasion of 'Teachers Day' on September 5, 2013, the former President said: "If the people remember me as a good teacher that will be the biggest honor for me". Even when death seized him he was lecturing students at the Indian Institute of Management, Shillong. He believed, "Teaching is a very noble profession that shapes the character, caliber and future of an individual... youth have a dream and also have a pain. The pain comes out of their dream; they want to live in a prosperous, happy and peaceful India. This type of student's environment ignites me and leads me to interact with young minds."

He believed in the youth and that they deserved a fair chance to turn their dreams into reality. He went from school to school, child to child, answering questions. He spoke, he listened, he answered, Online and offline. There was no question too big for him, no predicament too small, for India's former president to answer from a child.



MY MESSAGE, ESPECIALLY TO YOUNG PEOPLE IS TO HAVE COURAGE TO THINK DIFFERENTLY, COURAGE TO INVENT, TO TRAVEL THE UNEXPLORED PATH, COURAGE TO DISCOVER THE IMPOSSIBLE AND TO CONQUER THE PROBLEMS AND SUCCEED. THESE ARE GREAT QUALITIES THAT THEY MUST WORK TOWARDS. THIS IS MY MESSAGE TO THE YOUNG PEOPLE.

Staff Forum

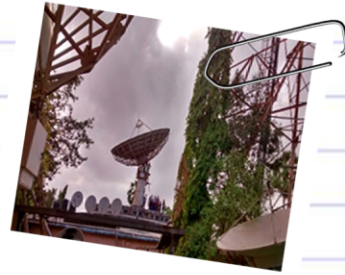
INDUSTRY VISITS:-

VISIT TO FIBER OPTIKA TECHNOLOGIES PVT LTD. (Eagle Photonics) Vashi, Navi Mumbai

Date: 8th July, 2015

The Head's of Department along with senior faculty members visited this laboratory to learn about the latest technologies in Optic fiber communication. The following Modules were explained by Mr. Hitesh Mehta, Head Fiber Optika Technology Lab.

- Fiber Optics bench top laboratory solution "Light Runner"
- Simulation software "LIGHT SIM" for Optical fiber and Planar waveguide developed jointly with IIT Delhi and Rourkela.
- Fiber To The home (FTTH) concept using passive optical network.
- LTE setup which is being deployed at Reliance Jio.
- Smart home, Smart Forest and Smart Medicine concept
- Testing Setup for LTE.



Fiber Optika Visit



Satellite Earth Station Visit

INDUSTRIAL VISIT TO SATELLITE EARTH STATION, YEDOR, THANE

Date: 10th July 2015.

All staff members of Electronics & Telecommunication Engg. Department visited the Earth Station. The itinerary of the visit was as follows:

- Satellite Communication and its Applications
- INSAT-3C & IPSTAR working & maintenance
- INSAT-3C Antenna Control Unit and C-band antenna control unit
- IPSTAR Control Unit
- Ku-Band Antenna Unit which is used for satellite IPSTAR, and its working.

Skill Development Programmes:-

* **Title of the program:** Demo on Matlab's Neural Networks Toolbox

Name of the Expert: Mr. Akhilesh Kr. Executive Engineer ADCC Mumbai

Target Audience: ME EXTC students and two faculty members from each Department.

No. of participants: 23

Date: 14th August, 2015

Time: 11:00 am to 1:30 pm

The Use of Artificial Neural Networks for Prediction, clustering and classification of data was demonstrated in the session which was beneficial to the students for their projects and practical.

* **Title of the program:** Demo on Matlab for interfacing low cost hardware

Name of the Expert: Mr. Nilesh Thakare ADCC, Nagpur and Mr. Akhilesh Kr. Executive Engineer ADCC, Mumbai

Audience: ME EXTC students and two faculty members from each Department.

No. of participants: 25

Date: 21st August, 2015

Time: 11:00 am to 4:00 pm

The procedure on how to setup the Arduino and Raspberry Pi for interfacing with Matlab to develop real time stand-alone application as well as interfacing sensors of Samsung Galaxy mobile and development of GUI using Matlab was demonstrated.

* **Title of the program:** Lecture on "Getting Started with Raspberry Pi"

Name of the Resource Person: Dr. Nadir Charniya, Prof. EXTC

Target Audience: 5-10 students from each Department.

No. of participants: 35

Date: 25th August, 2015

Time: 4:00 pm to 5:15 pm

Raspberry Pi is an open source DSP and image processing board which can be programmed using Python and OpenCV. It includes high speed ARM11 Microcontroller and GPUs to support computation hungry DSP and Image processing operations in real time.

Highlights of Departmental Activities:-

→ Our faculty is blessed with deep technical knowledge which has been showcased through a plethora of papers, presented and published. Over a short span from March to July, 2015 5 papers were presented in various International Conferences and 14 were published in leading Journals.

→ "Arithra", Wall Magazine is an initiative taken by the department to provide a platform for both students and faculty members to share articles, poems, short stories in English, Hindi as well as in Marathi.

→ 102nd session of Indian Science Congress (ISC) held in University of Mumbai from 3rd to 7th January, 2015 was attended by 9 staff members of the department.

→ *Faculty Development Programme* was conducted for staff of VESIT from 2nd to 9th January, 2015.

This programme included workshops like:

➤ *Developing a Dynamic Edge to Effective Communication* from 5th to 7th January, 2015

➤ *Enhancing Teaching Learning Experience* from 5th to 7th January, 2015

➤ *Intellectual Property Rights Workshop* from 8th to 9th January, 2015

→ Dr. Ranjan Bala Jain attended a one week short term course on "*Wireless Network and Cognitive Radio*" at VJTI, Mumbai from 9th to 13th March, 2015.

→ Workshops were also conducted in the month of April covering topics like:

➤ *D-link alliance for wireless LAN* (7th to 10th April, 2015)

➤ *Virtual LAB* (9th April, 2015)

→ *Skill Enhancement Lectures (SEL)* were organized by the various professors of our department for students across all years, specifically focusing on the topics that are beyond the syllabus and more relevant towards real time applications. Many experienced people from the reputed companies like Alcatel, Tata CMC and even a couple of professors from IITB were invited for the same.

→ On the occasion of Teachers' Day celebration, Dr. C. D. Rawat was felicitated for his 20 years of dedicated service to our institution. He has recently completed his *Ph.D* in the field of 'Image Compression' from NIT, Rourkela.



Student Forum

INTERNSHIPS:-

Many students from the department have made a sincere attempt to underpin their academic career through being a part of various internship programmes in myriad private and government firms. To list a few companies we have....

	LARSEN AND TOUBRO PVT LTD.	(4)
	B.A.R.C, TROMBAY	(4)
	BHARAT FORGE, LTD.	(1)
	B.E.S.T.	(5)
	CENTRAL RAILWAY	(6)
	PURPLE SQUIRREL EDUVENTURES PVT, LTD.	(1)

STUDENT'S ACHIEVEMENTS:-

ACADEMIC PRIDE:

The department boasts of numerous students for their extraordinary performances with astounding semester grade performance indices.

Name	Class	SGPI
Sarkar Shreeparva	D19A	9.86
Kinjal Vaghmashi	D19B	9.71
Utkarsha Gupte	D19B	9.71
Sachin Dubey	D19C	9.81
Sukalp Kamdi	D14A	10
Khyati Shah	D14B	9.89
Poonam Zanje	D14C	8.71
Chinmayee Parohit	D9A	10
Gayatri Ramrakhiani	D9B	9.85

CO-CURRICULAR ACCOMPLISHMENTS:-

Students managed to underpin their academic excellence to an altogether greater level by appending co-curricular achievements to their conventional curriculum.

→ Shailesh Verma, Vinayak Kolekar, Mrigank Patankar, Sagar Rane from D19C were the winners for **LOOKING BEYOND SYLLABUS (L.B.S) 2014**. They presented a working model of "Wireless Power Transmission using Tesla transformer with an external energy harvester".

Extraction of remnant energy in dead batteries and transmitting it with high efficiency were the key highlights of their project.



→ TECHNICAL PAPER PRESENTATIONS:-

Sagar Brijwani(D14A), Harsh Bhatia(D14C), Zarana Matani(D14C) won the **first prize** at the CSI Mumbai Chapter by presenting the topic 'Tele Immersion' which is an advanced form of virtual reality that will allow users in different places to interact in real time in shared simulated environments.

→ ARTICLE WRITING CONDUCTED BY IEEE -VESIT:-

Zarana Matani (D14C) won the **first prize** for her modernistic article on 'Cyborgs'.

→ INTER COLLEGE TECHNICAL EVENT WINNERS:-

➤ **CIRCUIT-WORK IT - PRAXIS'15**: Students put their thinking caps on as they were given a particular output and were told to design a circuit using minimum components to generate it. The technical prowess of our students was displayed as all the 3 winners were from EXTC.

First Prize: Jyoti Mane, Taruja Bhilare, Kanal Achantani, Krishna Bajaj

Second Prize: Sagar Brijwani, Sarthak Singh, Karan Sharma

Third Prize: Navdeep Singh Gandhi, Manali Mukhannavar, Babitha Nadar

➤ **LIVE WIRE - PRAXIS'15**: Participants were given an incomplete circuit. Using their technical knowledge they had to modify it so as to bring the desired output.

Kanal Achantani, Sarthak Singh and Krishna Bajaj from D14A secured the **second prize** in this event.

➤ **E-JACK - TVEC**: The VESIT Entrepreneurship Cell conducted its event E-Jack where in students had to present their unique business ideas.

Supriya Suresh, Chinmayee Parohit, Richa Shetty, Naglaxmi Yerra emerged victorious there with their idea 'AGRISHTR4' which focuses on removing the middlemen and establishing direct contact between the consumers and farmers.

EXTRA CO-CURRICULAR ACTIVITIES:-

All work and no play would make our lives dull and gray. A holistic development is crucial and our students excelled there too. The intra college cultural festival, UTSAV'15, proved to be an impetus to the cultural enthusiasts of the department.

→ The students of D19C, in a group of 17, proved the douth of teamwork as they won the second position for their Drama on 'Bharat, India to Hindustan' where in they showcased the strong unity in diversity in our country.

→ Sagar Rare (D19C) secured third place in Solo Dance Competition.

→ Saylee Parab (D14B) and Nishit Rao (D9A) won the second and third prize respectively in Face Painting Competition. We are amazed by their creativity!

→ Shivesh Hiranandani, D14B won the Debate on 'Should mob justice be legalized' and came third in the Group Discussion on 'Education is important in Politics'. This was his second consecutive feat in both Group Discussion and Debate in Utsav. Kudos to him!

→ Harsh Bhatia showed his gaming skills and boosted to the first position in 'NEED FOR SPEED' in CSI Mumbai Chapter.

TECHNOLOGY DAY - 20th MARCH, 2015:-

A Project exhibition was arranged in 409 and 410 lab where in all Learning Beyond Syllabus (LBS), E-Yantra and Texas projects were displayed. Students were encouraged to tour the projects and connect with their seniors. The juniors were very enthusiastic and actively participated in the project exhibition. Some of these projects were-



Saylee's Creation



E-yantra Line Follower [D19-A]



Solar Charger Circuit with portable Backup [D9B]



Instrumentation Landing System [D14A]

Kaun Banega Technocrat - 20th March 2015:-

Kaun Banega Technocrat [KBT] was a technical spinoff to Kaun Banega Crorepati [KBC] hosted by Dr. Nadir C. Charniya, first of its kind in V.E.S.I.T. A fastest finger first question was given to the selected 12 students to compete for the hot seat and the first three to get the right answer were called upon the hot seat. Each of them was asked a set of 10 different questions. Out of 12 selected students Mr. Abhishek Keswani was the winner.



CII Tech Connect - 10th April, 2015:-

In CII Tech Connect on 2015, 34 groups of 5 students each from third year of EXTC, ETRX and INST participated. Each group was allotted any one out of the three topics "Make in India", "Cloud Computing or Data Island", "What's the future in B2B - Digital Marketing". 6 groups were shortlisted for the final round which was conducted on 10th April, 2015. Mrigank, Sagar Rane, Chaitali Rane, Sheela and Ashish Punjabi from D14C bagged the third prize for presentation on "Digital Marketing".



B.E. Project Exhibition 'SANCHAR' - 11th April, 2015: -

Total of 19 B.E. projects and 10 other projects (Looking Beyond Syllabus, Texas and E-Yantra) were displayed in the labs. All second and third year students were encouraged to visit the exhibition.

To our dear teachers



Teachers' day is celebrated to express our gratitude and respect to our teachers. They are the one who leave a life time impact on the minds of the children.

Teachers usually play the role of parents because teachers equally provide us inspiration, encourage us, and give invaluable guidance throughout our life. They steer all the students in the right direction towards the progress and make us believe that nothing is impossible if we work hard enough. Teachers open up new avenues, encourage the students to explore different thing in life and to achieve their true life potential.

We would like to thank all our teachers for helping us to live up to our potentials.

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