

"Connecting people with high speed technology"

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

JUNE 2016



Message From Head of The Department

Welcome and best wishes to all the friends of the Department who receive this Newsletter. It has been an interesting and busy semester for members of the Department.

It gives me great opportunity to present the December issue of "ELECTRONEX". This internal

newsletter is one of the ways in which we can disseminate information on the life of the Department. The past semester was full of various activities by the students and faculty in academic, co-curricular, extra-curricular as well as research & developments. As you read through the pages you will realize, that the Department had a particularly successful semester, we succeeded in organizing many activities for students.

I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.

Prof. J. M. Bakliwal

Message From the Editor

We are presenting you with the third issue of our newsletter "ELECTRONEX". Our intention is to put out two issues per year, one in the end of June and the other at the end of December.

The success of this newsletter depends on your response. I would appreciate your feedback.

Prof. Mahesh A. Pawar



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ELECTRONICS AND TELECOMMUNICATION ENGINEERING

EDUCATIONAL OBJECTIVES

The educational objectives of the E&TC Department are to graduate individuals:

- To apply knowledge of Science & Mathematics to become a Successful Engineer.
- To learn fundamentals of Analog and Digital Systems.
- To Learn Hardware and Software Design Tools.
- To Develop Employability and Entrepreneurship Skills.
- To Employ Necessary Techniques, Hardware and Communication Tools for Modern Engineering Applications.

SALIENT FEATURES OF DEPARTMENT

1. E-learning environment.
2. Guardian faculty members for students.
3. Post graduate faculties.
4. Well equipped & sufficient laboratories.
5. Departmental library facility.

Events

Event Conducted:-

Industrial Visit:-

1. Visit at GMSC chinchwad, Pune for BE E&TC student on 19 January 2016
2. Visit to BSNL Bhavani peth, Pune at Be E&TC Student on 15 February 16
3. Visit to Doordarshan Bhavani peth , Pune for Be E&TC Student on 13 February 16

SCI-TECH

3G ADVANCES BRING SECURITY CONCERNS TO THE FORE?



Recent advances in mobile technology have allowed millions to stay connected like never before through smart phones, tablets and cell phones. This is more than evident by the fact that global mobile data traffic increased 26 times from 2009 to 2010, nearly tripling for the third year in a row.

However, the success of the 3G technology has also brought to the fore concerns about security and privacy. Last week, U.S. lawmakers invited Apple and Google to attend a hearing on privacy scheduled for next month. This follows claims that the location-tracking of iPhone and Android devices violated the privacy of owners.

The Cisco 2010 Annual Security Report states that most scammers have begun shifting their focus away from the Windows-based PCs to other operating systems and platforms, including smart phones, tablet computers and mobile platforms. The report says that in response to the last decade of cyber-exploits targeting PC operating systems, PC platform and application vendors have shored up security in their products and have taken a more aggressive approach to patching vulnerabilities. This has prompted scammers to shift to trolling third-party mobile applications.

Bhaskar Ramamurthi, Professor, Centre for Excellence in Wireless Technology, IIT-Madras, says it is not easy to tap the old order phones, but in Internet-based services, the communication is carried out by packets that are directed by routers, and hence it is easier to tap them. "It is better to start with the assumption that transmitted data can be intercepted, hence has to be encrypted suitably."

Observing that enterprises now have to support more devices than ever before and, in effect, extend their corporate firewalls and services to places for which they may not be prepared, McAfee Labs presents an

interesting report on the increasing number of threats to mobile devices. The report reveals that criminals can target any mobile platform they desire, including Symbian OS, Java 2 Mobile Edition, Symbian S60 3rdEdition, Python, and Android. The Symbian OS (used in Nokia smartphones), it points out, is the most popular platform for mobile malware developers.

Solutions for the enterprise and the consumer in the mobile industry are being provided to tackle security concerns, says Anand Patil, Vice-President, Systems Engineering, Cisco Systems India. On the enterprise side, secure connectivity and encryption to protect against data loss and identity is the key, and for customers, it is the web security and malware threat that is taken care of, he adds.

“Service providers provide standard security applications but if they can provide customised applications that can cater to different security requirements, it will be a major step towards overcoming the concern,” says Dr. Ramamurthi. “As of now, your security is as good as your encryption module.”

“BE YOURSELF; EVERYONE ELSE IS ALREADY TAKEN.” OSCAR WILDE”

Marathwada Mitra Mandal INSTITUTE OF TECHNOLOGY, Lohgaon Pune was established in 2008 and conducted the following Courses leading to Bachelor’s Degree in Engineering 1.Computer Engineering 2. Electronic and Telecommunication Engineering 3. Mechanical Engineering. All these courses are approved by All India Council for Technical Education, (AICTE) New Delhi, sanctioned by Govt. of Maharashtra and affiliated to Savitribai Phule Pune University. The Marathwada Mitra Mandal Society, Pune was established in 1963.

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