



# The e<sup>x</sup>(t<sub>c</sub>) Times

Volume 3

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## Reflections

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# MESSAGE FROM THE HOD



Dear All,

Very proud and happy to announce the accreditation of the department for a period of 3 years (2016-2019). This feat was possible due to the painstaking efforts of all faculty. The department stood as one and defended their case in front of accreditation evaluators.

Congratulations to all once again. Steering crossed this milestone, our long and arduous journey towards autonomy now begins. Hoping for the same enthusiastic cooperation from all stakeholders.

*'The best preparation for good work tomorrow is to do good work today'*- Elbert Hubbard

For golden tomorrows,

Mrs. Shoba Krishnan  
HOD, EXTC Dept.

# STUDENT ACTIVITIES

## City college students give rural healthcare a push

Four final year electronics and telecommunication students of Vivekanand Education Society's Institute of Technology (VESIT) Ashni Damaria, Laveena Dulani, Preksha Goyal and Rahul Goswami have gone beyond textbooks to develop a prototype, the remote patient health monitoring system, that will help doctors monitor rural patients' vital signs to facilitate better diagnosis.

What started out as a final year project may now turn into something that could boost rural healthcare in the region. The students pooled in resources to come up with the seed money of Rs 7,500, which was reimbursed by the college. The group came up with suggestions to enhance the device's functioning. "A sensor will be attached to a patient's finger to monitor and record vital signs like blood pressure, heart rate and temperature. The data recorded can be accessed by the doctor through the use of a computer or mobile device in another location," said Damaria.

The students developed the prototype under the guidance of their professor Dr. Nadir Charniya. Though the four students have graduated, the next batch will take over from them and add features like an ECG to the device. "We can add a camera to the set up, thereby allowing the doctor to see the patient," said Damaria.



## The UG Project

The students of D19B EXTC final year - Ramanathan Choodamani, Shivesh Hiranandani, Shubham Koyande, Ketan Vaidya, guided by Mrs. Ashwini Sawant, successfully presented project titled 'Road Divider Based Power Generation and Street Light Illumination' which won the 2nd position in University Final Round of AVISHKAR 2016-17 - A Research Convention. They would be representing University of Mumbai in the next Round. The proposed model demonstrates the generation of electricity with the help of wind energy from the vehicular movement on the highways. The light automation helps in efficient use of generated electricity.



## Skill Enhancement Lecture

SEL of Mobile communications for all batches D19A, D19B and D19C of topic 'Radiation hazards and remedies' by Mr Vikas singh from NESA on 20th August 2016.



## Placement Activities

1. It's an immense pleasure to announce that 116 students of 2013 -17 batch have got placement offers from various companies like Accenture, CapGemini, L&TITL, L&T core and NESIT.

2. Placement cell of EXTC department, GRIN (Get Ready For Industries) conducted a Finishing school for Final year students (2013-17 batch) on Digital Electronics and VLSI design on 16th July 2016. This finishing school was conducted by Mr. Mrugendra Vasmatkar and Mrs. Manisha Joshi.

3. Placement cell of EXTC department, GRIN (Get Ready For Industries) conducted a Finishing school for third year students (2014-18 batch ) on Electronics Circuits on 20th August 2016. This Finishing school was conducted by Ms. Rasika Naik, Mrs. Anuradha Jadiya, Mr. Pradeep Yadav and Ms Sneha Lonkar.

4. A Mock Aptitude Test (MAT) on Quantitative Techniques was conducted for third year students (2014-18 batch).



## Internships

45 students attended Internship programs in various industries like BARC, Air India, Tata Power Co. Ltd., Reliance Jio, ONGC, Western Railways, Nelco Ltd. etc.

## Publications

International Conference on Recent Innovative Trends in Computer Science and Applications (ICRITCSA 2016) at M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE. International Journal of Advanced Research in Computer and Communication Engineering(IJARCCCE). Group members - Piyush Devikar, Ajit Krishnamoorthy, Aditya Bhanage, Mohit Singh Chauhan published a paper on "IoT Based Biometric Attendance System".

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## Shreshthta Award

On 15<sup>th</sup> October 2016, Tarleen Dand of EXTC D19C was awarded the Shreshthta Award for conquering adversities while excelling in various domains and continued to maintain academic grades.



# STAFF ACTIVITIES

## Patents

Mrs. Manisha Joshi has filed a patent, the design application number is 286362 and 28664 for HELMET and SOLAR HELMET in classes 02-03 and 13-99.

## Commendation

Dr. R.K. Kulkarni has recently been appointed as member, Board of studies of EXTC at Mumbai University. He has been driving the syllabus change process. M.E. syllabus is modified and undergraduate syllabus is undergoing changes from credit based to choice based system.

## Participation

Mr. Mrugendra Vasmatkar participated as resource person for short term training program on "Design Aspects in CMOS Analog Circuits, ASIC and MEMS" held from June 27th 2016 to July 1st, 2016 organized by Electronics Dept, SHAH and ANCHOR Eng College. Mrs. Manisha Joshi participated in the same training program.

## Conference and Workshops

1. Dr. C D Rawat, Dr. Ranjan Bala Jain and Mrs. Manisha Chattopadhyay attended one day workshop on ComSol Day on 10th June 2016 organized by ComSol.
2. Dr. Ranjan Bala Jain and Dr. Saylee Gharge attended a conference on New initiatives in Apprenticeship Training organized by Board of apprenticeship (Western region) Mumbai on 20th Oct 2016.
3. Dr. Ranjan Bala Jain delivered a Talk on Optical Commuincation and Networking on 10th October 2016 at Lokmany tilak College of Engineering organized by IETE LTCOE chapter.

## Competitions

Shilpa Joshi is pursuing PhD under the guidance of Dr. R. K. Kulkarni. She entered the Avishkar Inter-collegiate Research convention 2016-17 (PhD Category). Title of the paper: 'Novel filter designing for speckle noise removal from medical images.' She also represented our college at district level, on 19th October at RAIT, Nerul, Navi Mumbai and entered national level with Third rank.





# STAFF INCHARGES

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