

EXTC DEPARTMENT NEWSLETTER

REFLECTIONS

❖ MESSAGE FROM THE DEPARTMENT

Technical Education system is dynamic in nature. It faces many hurdles in response to societal, technological and economic changes in the environment both home and foreign. The debate today is not only about the value and role of Technical education in the social and economic development of a nation but has a broader aspect. Technical education is widely recognized as a vital part of the total education and training system. The real challenge is how to reposition it by shifting towards a developmental paradigm that holds sustainability as its core. It is hoped that this paper will provide a definite idea on technical education and its importance and some useful insights on the underlying meaning, policies and choices which may help to shape the systems of technical education and training further.

"The ideal engineer is a composite ... He is not a scientist, he is not a mathematician, he is not a sociologist or a writer; but he may use the knowledge and techniques of any or all of these disciplines in solving engineering problems" - N. W. Dougherty

Dr. Chandan Singh. D. Rawat,

Associate Professor,

Electronics & Telecommunication,

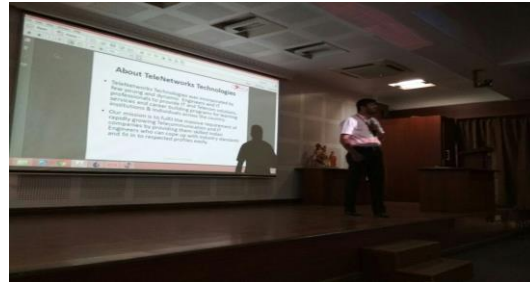
VESIT.



❖ STUDENT ACTIVITY

SEL

SEL titled 'Wireless Network Devices' was conducted on 8th March 2018 by Yogesh Hudale from 'TeleNetworks Technologies Private Limited. The session covered the basic concepts of Mobile Communication like the architecture of GSM, its logical channels and how it is used to read the packets when dealing with live network. He also told us about networking tools like QXDM that are used for drive testing in the field.



TRANSISTOR BIRTHDAY

Transistor birthday was celebrated by D14-C EXTC students on 6th Feb-2018. History of transistor was shown by role play where students acted as Berdin, Brattain and Shockley as well as some of the students became MOSFET, JFET and first point contact transistor using posters and discussed advantages and characteristics of each via presentations. Video was shown on fabrication of the transistor. This event was organized under guidance of Mr. Mrugendra Vasmatkar.



INDUSTRIAL VISIT

TARAPUR

On the 24th February 2018, Vivekananda Education's Institute of Technology conducted an Industrial visit at Tarapur Atomic Power Station for the third year students of the Electronics and Telecommunications Department. Mrs. Anuradha Jadiya, Mrs Nusrat Ansari and Mr Shobhit Khandare, were the teachers from the EXTC department that accompanied the 47 students for the industrial visit.



YEOR

On 7th March 2018, Vivekananda Education's Institute of Technology conducted an Industrial visit at BSNL Earth Station for the fourth year students of the Electronics and Telecommunications Department. Mrs. Nandini Ammanagi, Mrs. Pallavi Gangurde and Mr. Sanjay Mirchandani, were the teachers from the EXTC department that accompanied the 33 students for the industrial visit.



DEPARTMENT PLACEMENT CELL ACTIVITY

The placement cell GRIN (GET Ready for Industries) of the department of EXTC has conducted various activities like Mock Aptitude Tests, Finishing Schools, Share It sessions, etc. as a result of which 125 students (62%) have got offer from various companies. The company wise placement details are as follows:

- Accenture 83
- LTI 23
- KPMG 03
- Capgemini 03
- ATOS 03
- IIT PACE 07
- Selec Controls 03

WORKSHOPS

DC CONTEST

The digital communication contest was held to empower the students with the skills that they will need to stay at the forefront of a digital world. The topics covered in the project was beyond the syllabus and the students from D14C participated in this contest conducted by Mrs. Nusrat Ansari.



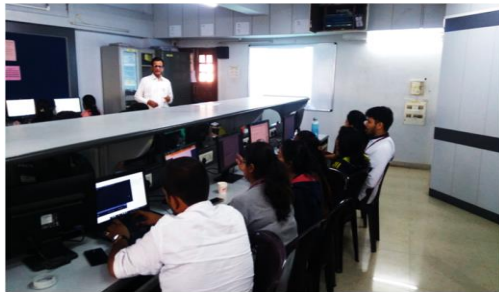
Telcocrats Technologies Job-Oriented Workshop

Mr. Mayank Kaushal from Telcocrats Technologies conducted a Job-oriented Workshop from 20th Dec 2017 to 22nd Dec 2017. This workshop was organized by the placement cell of EXTC department for the B.E. students. TELCOCRATS is a Certified Company and provider of Network Solutions, System Integration service, Corporate Solutions and Telecom Education.



LINUX PYTHON WORKSHOP

A workshop on Linux, Python and Open CV for Embedded Systems was organized by Research Forum in collaboration with Tinkerer's Lab. The workshop duration was of three days, from 8th January 2018 to 10th January, 2018 and was conducted by Dr. Nadir Charniya. A total of 18 participants from Third Year EXTC Department, including two participants from MCA Second Year attended the workshop.



VESIT AIA SEMINAR

VESIT-AIA has organized a seminar and lab visit for TE students of ETRX, INST and EXTC on 9th January 2018. Mr. Prasad Raverkar from Siemens conducted the seminar and also indulged in a Q & A session with the students. Also, a Lab visit and students interaction session with AIA delegates was arranged.

TOPPERS

EXTC Department Rank Holders of 2017-18 Results:

Final Year:

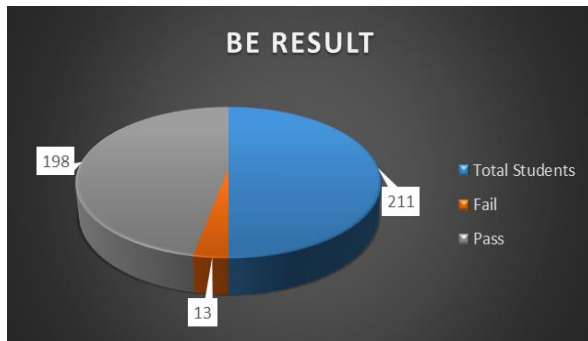
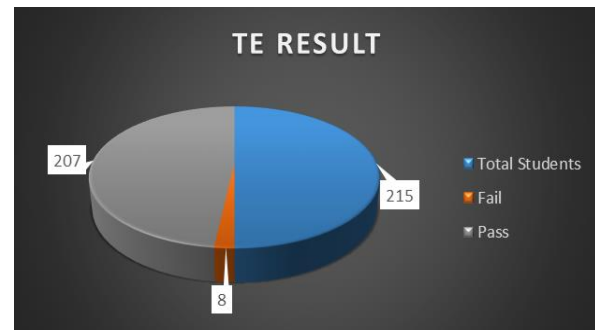
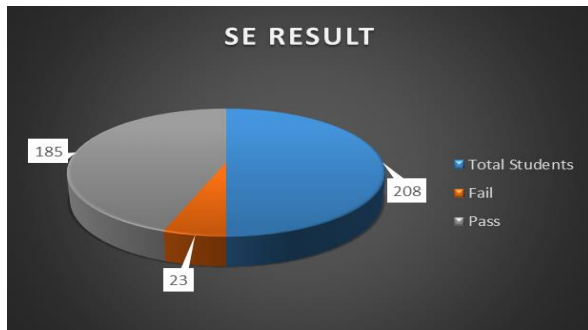
Rank	Name	CGPI
1st	KAMDI SUKALP SUDHAKAR	9.56
2nd	VEER SHEETAL BHARAT	9.38
3rd	SOMAN SHRIYA SANJAY	9.35

Third Year:

Rank	Name	CGPI
1st	PUROHIT CHINMAYEE NITIN	10.00
1st	JOSHI ASHITOSH AJIT	10.00
2nd	BELSARE GAURAV MILIND	9.93
2nd	RAMRAKHIANI GAYATRI SUNIL	9.93
2nd	YERRA NAGLAXMI	9.93
3rd	CHITTILAPPILLY ADARSH VINCENT	9.85

Second Year:

Rank	Name	CGPI
1st	NACHANKAR SUYASH RATNAKAR	10.00
2nd	GUPTA RICHA RAMJI	9.85
2nd	MUNGEKAR ROHIT PRAVIN	9.85
3rd	BELGAONKAR ABHISHEK RAJU	9.78
3rd	CHEKE GOURI BHASKAR	9.78
3rd	CHAVAN KIRAN SUBHASH	9.78



❖ STAFF ACTIVITIES

TECHNOLOGY DAY

Technology Day was celebrated on 20th March 2018 in the department on the occasion various B.E. projects were exhibited. Also a quiz competition "Kaun Banega Technocrat (KBT)" was held in CA4, by our faculty Mr. Chintan Jethva.



POSTGRADUATE

Mrs. Shilpa Joshi, Research Scholar, participated in The Event Avishkar- Research Convention conducted in four major levels from 29th December, 2017 to 17th February, 2018. The research proposal Mrs. Shilpa Joshi, Research Scholar, at Avishkar- Research Convention. “In-silico Diagnostic Approach for Accurate Abnormality Detection and Malignancy Prediction” was prepared as per the guidelines of Mumbai University. The primary aim of this research was to produce High Definition Images from Low cost, Low Resolution Modalities. The motive of this research is early detection of disease in low cost even at rural areas where super specialty facilities are not available and affordable too.



CONFERENCES CONDUCTED/ATTENDED

- Dr. Mrs. Ranjan Bala Jain conducted a one day FDP on “Wireless Sensor Networks” at M. H. Saboo Siddik College of Engineering on 16th February 2018.
- Dr. Mrs. Ranjan Bala Jain conducted a one day seminar on Real Time Audio & Video Communication at Atharva College of Engineering Malad, Mumbai on 15th February 2018.
- Mrs. Neeta Chavan attended an Orientation on “Linear Integrated Circuits” on 04 Jan 2018.
- Mrs. Neeta Chavan and Miss Nikita R. attended an Orientation on “Signals and systems” on 04 Jan 2018.
- Mrs. Manisha Joshi attended an Orientation on “Digital System Design” on 20 July 2017.
- Mr. Chinatan Jethava, Mr.Sanjay Mirchnadani and Mrs. Rachana Pitre attended an Orientation on “Electronics Devices & Circuits-II” on 04 Jan 2018.
- Mrs. Pranita Chauhan and Mrs. Damanjeet Kaur attended an Orientation on “Principles of Communication Engineering” on 04 Jan 2018.

RESEARCH GRANTS

The following projects have received research grants from Mumbai University that are being mentored by the respective faculty members:

1. Mrs. Nusrat Ansari: Reinforcement Learning of a robot.
2. Mrs. Ashwini Sawant: Mind Controlled Assistive Quadrotor Drone.
3. Mrs. Anuradha Jadiya: Vehicle Collision Avoidance at Junction, blind turns, hairpin bends.
4. Mrs. Neeta Chavan: New Human Identification - Sclera Recognition.
5. Mr. Ajinkya Valanjoo: Factory Automated Robot using Voice Recognition.

FACULTY PUBLICATIONS

The faculty of EXTC Department published and presented the following papers in International journals and national journals and conferences:

1. Mr. Gaurav Tawde on "Routing Protocol" in International Journal Communication, Mechanical and Computing (EECCMC). ISSN 2321 3361, Volume 7, Issue No. 10, October 2017
2. Mrs. Nandini Ammanagi on "Mode Variations in Slot cut Capacitive Fed Suspended Microstrip Antenna" in International Journal, European Journal of Scientific Research, ISSN 1450-216X/1450-202X, Vol. 147 No. 2 October 2017.
3. Mrs. Nandini Ammanagi on "Capacitive Fed RMSA with Slotted Ground Plane" in IEEE sponsored International Conference, IEEE 2017 International Conference on Advances in Computing, Communication and Control (ICAC3'17), October 2017.
4. Mrs. Nandini Ammanagi on "Slot loaded Capacitive Fed Rectangular Microstrip Antenna with Meandered Ground Plane" in IEEE sponsored International Conference, IEEE 2018 International Conference on Advances in Communication and Computing Technology (ICACCT), 2018.
5. Mrs. Nandini Ammanagi on "Slot cut Capacitive Fed Suspended Microstrip Antenna" in IEEE sponsored International Conference, IEEE 2018 International conference on Electrical,

Electronics, Computers, Communication, Mechanics and Computing (EECCMC-2018), 2018.

6. Ranjan Bala Jain, “Optimum Resource allocation in underlay Hybrid Cognitive Gaussian Relay System” at International Conference on Advances in Communication and Computing Technology(ICACCT) , 8-9th February 2018, Amrutvahini College of Engineering, Sangamner, Ahmednagar, India.

7. Ajinkya Valanjoo, “Interference Scenario based performance analysis of TCP Variaant with Routing Protocol” in IEEE 2018 International Conference on Electrical, Electronics, Computers, Communication, Mechanics and Computing (EECCMC-2018), 978-1-5386-4304-4/18/\$31.00 ©2018 IEEE.

A Tribute to Stephen Hawking

We lock up our energies, breaths and life as a whole in the closet of time. By the time we reach out to retrieve them, they would have already wrinkled on our face. Cutting through this laid back ideology of ours, Stephen Hawkings had even left behind the crutches of disability. A motor neurone disease surely had seized his body, but it couldn't get to even half of his zeal.

Hawkings was known for his multi dynamic personality. His deep love for space and science led him to different avenues where he could introspect, innovate and ideate on the subject. His contributions haven't been just inspirational but also very notable to the world of science. His drive for Physics had always compelled him to make some extraordinary researches which are prominent in the theory of the universe.

He was somehow always on this uncanny mission to tell the people the story of the space. A big fan of Science fiction himself, he had explored his creativity that had shone on the celluloid as well. 'A brief history of time' and 'The Universe in a nutshell' are two outstanding pieces of work from his humongous channel of books and thesis, wherein he talks about the universe, in its entirety be it its origin, expanse or mystery. He examines every possibility be it molecular or divine to construct his premise of each of them.

He definitely succumbed to his ailment, but what he refused to succumb was to rest. While each of his physical abilities gave away in his due course of life, he had constantly found ways to unleash his passion for Science. What he left all of us with is that, life is too precious to be left paralysed and time is too important to wait for sympathy.