



K. J. Somaiya College of Engineering

(Autonomous College Affiliated to University of Mumbai)



Department of Electronics and Telecommunication Engineering
July - December 2018

Newsletter

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Department of Electronics and Telecommunications

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Message from the Desk of Head

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It is my pleasure to present you, the department newsletter for the last semester.

Keeping up with our plans for department growth, I feel extremely glad to declare that the establishment of “Centre of

Excellence Cisco Academy” is complete and the official inauguration would be announced soon. The faculty members are undergoing requisite training at CISCO defined centers. Our staff members have also supported by completing their training at authorized CCNA training centers. A full-fledged training program would be conducted in the college under the aegis of “Train the Trainers” programme. Definitely such labs, with latest facilities will give our students a cutting edge in technical exploration and enhance their information search and analytical skills. This would further lead to a better Institute-Industry interaction.

A noteworthy development in the current semester is the introduction of two new Interdisciplinary Courses (IDCs) namely “Big Data Principles and Practices” and “Wireless Sensors Networks and IoT” for the semester six students. The number of students enrolled for our IDCs is 130, which is undoubtedly an improvement as compared to previous years.

Another remarkable achievement in the last semester is that, good number of our students have got placed in reputed companies with some of them being offered packages above Rs. 10 Lacs per annum. However with a view point of further improving the placements of our students, our department placement coordinator has planned “Students Career Development Programme “for the third year students. This programme would be conducted by our own faculty members and students of last year who are already

placed in reputed companies. We hope that such activities would lead to fulfilling our dream of every student of EXTC department being placed in well established companies.

From the curriculum side, our endeavor has always been to provide students with the best and as a part of this we are now nearly ready with the revised and enhanced version of our curriculum, KJSCE 2018 and KJSCE 2019 which would be implemented for the S.Y. B. Tech and F. Y. M.Tech. students respectively.

I would again like to remind everyone associated with the department, that suggestions and contributions for the betterment of the department and the college as a whole are always welcome.

On that note, I take your leave. Good Day!!

Dr. Ameya K. Naik
(HOD, EXTC)



Program Educational Outcomes (PEO's)

Vision:

To become center of excellence for creating competent engineers with evolving technical skills, leadership qualities with human values to pursue excellence in professional field.

Mission:

Providing quality education to

- Develop technical skills, soft skills and professional ethics to cater the needs of industry.
- Promote research and creativity in Engineering and technology.
- Inculcate awareness towards societal needs and environmental issues.

A graduate of Electronics and Telecommunication Engineering will be able to:

- **PEO1:** Excel in professional career by adapting emerging technologies.
- **PEO2:** Pursue higher education, research; address environmental issues with ethical practices.
- **PEO3:** Solve real life problems in a team as a member or as a leader.

Program Specific Outcomes for Department

- **PSO1:** Pursue higher studies in the field of Signal Processing, Networking and VLSI
- **PSO2:** Update Knowledge and Industrial Skills through Training and Internship

Program Educational Objectives (PEOs) as “describe what graduates are expected to attain within a few years of graduation.”

Department Activities

Laboratory Development

Department of Electronics and Telecommunication, have established "Centre of Excellence Cisco Academy" in the area of Networking and the official inauguration will be announced soon.

With Cisco Academy students will get complete hands-on learning and develop practical skills that will help them to fulfill a growing need for networking professionals around the world. This was coordinated by Prof. Amey Gawde under the guidance of Head of Department Dr. Ameya Naik.



Faculty Activities

13th December, 2018

Prof. Amey Gawde participated at CISCO tech day organized by CISCO in Bandra Kurla Complex, Mumbai.

08th December, 2018

Prof. Bharti. A. Singh

Invited as a member of PBOS Meeting of Industrial Electronics Department at K.J. Somaiya Polytechnic.

Dr. R. G. Karandikar

October, 2018

Invited as External Examiner for M. Tech EXTC Final Viva- Voce at MIT, Pune.

October, 2018

Invited for Expert lecture on "Preparation for Autonomy" at AISSMS College of Engineering, Pune, Maharashtra.

October, 2018

Invited for Expert lecture on "Induction Machines" at Atharva College of Engineering, Malad, Mumbai.

September, 2018

Invited as expert for Ph.D Interview: selection of Ph.D candidates for

research center at Sardar Patel College of Engineering, Andheri, Mumbai.

August, 2018

Invited as a member for DAB ETRX meeting at Shah and Anchor Kutchhi Engineering College, Chembur, Mumbai.

August, 2018

Invited as Expert for a session on "NAAC" at AIKTC, Panvel, Navi Mumbai.

August, 2018

Appointed as examiner for Comprehensive Viva-Voce: Ph.D. at VTU, Belagavi.

July, 2018

Invited as Advisory committee member for cluster meeting for the courses: EIM and Circuit theory at Vidyalkar Institute of Technology, Wadala, Mumbai.

July, 2018

Appointed as Subject expert for Selection of Associate professor/Professor in EXTC department at Don Bosco Institute of Technology, Kurla, Mumbai

Organization and Participation at Guest Lectures / STTP / Workshops / Seminars

21st December 2018

Prof. Akshata Prabhu organized "Drishti Online Contest under Texas Instruments" organized by Department of EXTC, K. J. Somaiya College of Engineering.

18th to 20th December 2018

Prof. Sangeeta Kulkarni, Prof. Jyoti Varavadekar, Prof. Amey Gawde, Prof. Kartik Patel and Prof. Ruchira Jadhav attended pre-certification workshop IUCEE International Engineering Educator Workshop organized by Dr. Sohum Sohoni, Arizona State University at K. J. Somaiya College of Engineering.

17th – 19th December 2018

Prof. Akshata Prabhu organized workshop on "Embedded Systems & IoT using MSP430 & Tiva" organized by Department of EXTC, K. J. Somaiya College of Engineering.

21st September 2018

Prof. Rupali Patil organized a Guest lecture on "Innovation Management and Design Thinking" for LY BTech students of department of EXTC organized by Department of EXTC, K. J. Somaiya College of Engineering.

08th, 11th and 12th September 2018

Prof. Akshata Prabhu organised workshop on “Understanding basic of MSP 430” organized by Department of EXTC, K. J. Somaiya College of Engineering.

27th – 31st August 2018

Prof. Mahesh Warang participated in in the five day workshop on "Advance Topics in Embedded Systems and Robotics" organized by e-yantra at IIT, Bombay.

2nd August 2018

Prof. Kartik Patel attended a lecture on Teaching to Promote Student Learning: Evidence Supporting the Efficacy of Research-based Instructional Approaches, by Prof. Jeffrey E. Froyd, Dept. of Engineering Education, The Ohio State University organized by IIT, Bombay.

27th July and 28th July 2018

Prof. Chaitali Kulkarni coordinated “Drishti Online Contest by Texas Instruments; Topic: MSP430” for EXTC students organized by Department of EXTC, K. J. Somaiya College of Engineering.

19th – 21st July 2018

Dr. R. G. Karandikar conference on “Indo Universal Collaboration for Engineering Education Leadership Summit” organized by IUCEE, Goa.

19th June – 19th July 2018

Prof. Mahesh Warang offered e-Yantra Internship for Students of department of EXTC & ETRX.

14th July 2018

Dr. Ameya Naik, Prof. Nitin Nagori, Prof. Kartik Patel, Prof. Amey Gawde, Prof. Ankit Khiv Sara and Prof. Chaitali Kulkarni participated in Faculty Conclave- 2018, conducted as a part of Quality Week (Innovative Automated Tool for Effective Question Papers, organized by K. J. Somaiya College of Engineering.

09th – 13th July 2018

Prof. Kartik Patel attended conference on “Learning Technologies in Engineering Education at the 18th IEEE International Conference on Advanced Learning Technologies (ICALT)” organized by IIT, Bombay.

02nd – 07th July 2018

Prof. Ruchira Jadhav and Prof. Esther Jennifer Isaac coordinated AICTE-ISTE Approved One week STIP on “Teaching Methodologies for Core Electronics and Telecommunication Courses” organized by Department of EXTC, K. J. Somaiya College of Engineering.

Participants:

Prof. Kartik Patel, Prof. Chaitali Kulkarni and Prof. Akshata Prabhu

Faculty Publications

Vandana Satam, Shikha Nema "Compact High Gain, linearly polarised diversity antenna for KU band applications", WILEY, 24th Mar 2018.

Vandana Satam, Shikha Nema "High gain overlapped elliptical shape diversity antenna for multiband applications in In Cap 2018" published in 2018 IEEE India Conference on Antennas & Propagation (InCAP), 16th-19th Dec 2018.

Bharati Singh, Nisha Sarwade, K. P. Ray "A 50 Ω Microstrip line fed shorted equilateral triangular microstrip antenna" published in Microwave and Optical Letters (MOTL), WILEY Publications

Bharati Singh, Nisha Sarwade, Kamla Ray: "Antenna Array Using Non-Identical Truncated Circular Elements for FSL Reduction" published in Progress in Electromagnetics Research M., Vol. 64, 99-107, 2018.

Jayashree Kundargi, Bhavin Dhedhi, Prathamesh Datar, Anuj Chiplunkar, Kashish Jain, Amrith Rangarajan "Automatic License Plate Recognition Using Deep Learning" published in Third International Conference on Intelligent

Information Technologies, ICIIT 2018, 11th – 14th Dec 2018, Chennai, India

Jayashree Kundargi, Krupal Sapte "Extraction of Object Skeleton from Natural Images Using Fully Convolutional Networks Using Hierarchical Feature Integration" published in National Conference on Advances in Electrical, Electronics and Computer Engineering (NCAEECE), Pune, India, 27th Sept 2018.

Swati Mahajan, Ruchira Jadhav, Kartik Patel, Amey Gawde, Anita Diwakar: "Improvisation of circuit design & analysis skills of students for analog electronics course using virtual labs" published in 26th International Conference on Computers in Education (ICCE) 2018 Manila, 26th -30th Nov 2018.

Sangeeta Kulkarni and Arati Phadke "Enriching Curriculum through Laboratory Courses for Technology Enhanced Learning" and "Improving Technical Communication of PG Students through Blended MOOC's" published in 2018 IEEE 9th International Conference on Technology for Education (T4E), IIT Madras, 10th – 13th, Dec 2018.

Sangeeta Kulkarni "Improving Technical Communication of PG Students through Blended MOOC's" published in 2018 IEEE 9th International Conference on

Technology for Education (T4E), IIT Madras, 10th – 13th, Dec 2018.

Kartik Patel - Poster Presentation- 2C crossword & Concept Map to encourage IDC students in Wireless Communication Course", 9th IEEE International Conference on Technology for Education (T4E 2018), IIT Madras, 10th – 13th, Dec 2018.

Rizwan Ahmed Ansari "Change Detection using Curvelet and Contourlet Transforms using Multitemporal SAR Imagery" published in 2018 IEEE International Geoscience and Remote Sensing Symposium, 22nd - 27th July 2018.

Sangeeta Kulkarni and Arati Phadke "Effective Model for Assessment of Learning skills of Graduate Engineer" published in ICTIEE-AP 2018, International Conference on Transformations in Engineering Education- Imparting Futuristic Skills, 15th – 17th July 2018.

Kartik Patel "The Jigsaw Classroom: ICT Enabled Implementation of Cooperative Learning Environment" published in ICTIEE-AP 2018, International Conference on Transformations in Engineering Education- Imparting Futuristic Skills, 15th – 17th July 2018.

Online Courses

December 2018

Prof. Akshata Prabhu completed course on "Big Data with R Track" organized by Data Camp.

Prof. Jayshree Kundargi and Prof. Dipak Kulkarni completed Online Course organized by IIT Bombay X.

04th Oct- 12th Nov 2018

C2CWC1xA18: Workplace Communication, under the College to Corporate Programme.

06th Sept- 04th Oct 2018

C2CSS1xA18: Soft Skills, under the College to Corporate Programme

06th Sept- 11th Nov 2018

Prof. Dipak Kulkarni completed online course on "C2CIT1xA18: Effective use of IT for Professional Activities, under the College to Corporate Programme" organized by IIT Bombay X.

July- Oct 2018

Prof. Swati Mahajan completed Online Course on "Introduction to Wireless & Cellular Communications" organized by IIT Bombay X.

July- Oct 2018

Prof. Mahesh Warang completed Online Course on “The Joy of Computing Using Python” organized by IIT Madras.

01st Sept 2018

Prof. Sharvari Deshmane completed online course on “MATLAB Onramp” organized by MathWorks Training Services.

02nd Aug- 06th Sept 2018

Prof. Swati Mahajan, Prof. Savita Raut and Prof. Kartik Patel completed Online Course organized by IIT Bombay X on “ET702x: Designing Learner-Centric MOOC”

1st Aug 2018

Prof. Savita Raut completed online course on “MATLAB Onramp” organized by MathWorks Training Services.

Aug – Sept 2018

Prof. Savita Raut online Course “Advanced Topics in Probability & Random Processes” organized by Indian Institute of Technology Guwahati.

Aug - Sept 2018

Prof. Vandana Satam and Prof. Anudeepa Kholapure completed Online Course organized by Indian Institute of Technology Kharagpur on

“Analysis & Design Principles of Microwave Antennas”.

17th May- 05th July 2018

Prof. Kartik Patel completed Online Course organized by Indian Institute of Technology Bombay on “Mentoring Educators in Educational Technology (FDP 301x)”.

Technical Paper Review

Prof. Vandana Satam

ICRISET 2018 (Subreviewer) organized by Charotar University of Science and Technology, Gujarat, India under IEEE Gujrat Section.

2018 IEEE International RF and Microwave Conference (RFM) organized by IEEE Antennas and Propagation, Microwave Theory and Technique & Electromagnetic Compatibility Joint Chapter of Malaysia, 27th August 2018.

Industrial Visits

Prof. Bharti Singh organized Industrial Visit to Tata Research Institute of Fundamental Research Mumbai for M Tech Students KJSCE on 10th October 2018.

Prof. Vandana Satam and Prof. Anudeepa Kholapure organized Industrial Visit to “Satellite Earth Station, Yeur, Thane” for S.Y. & T. Y. B. Tech. EXTC students on 26th September, 2018.



Placements

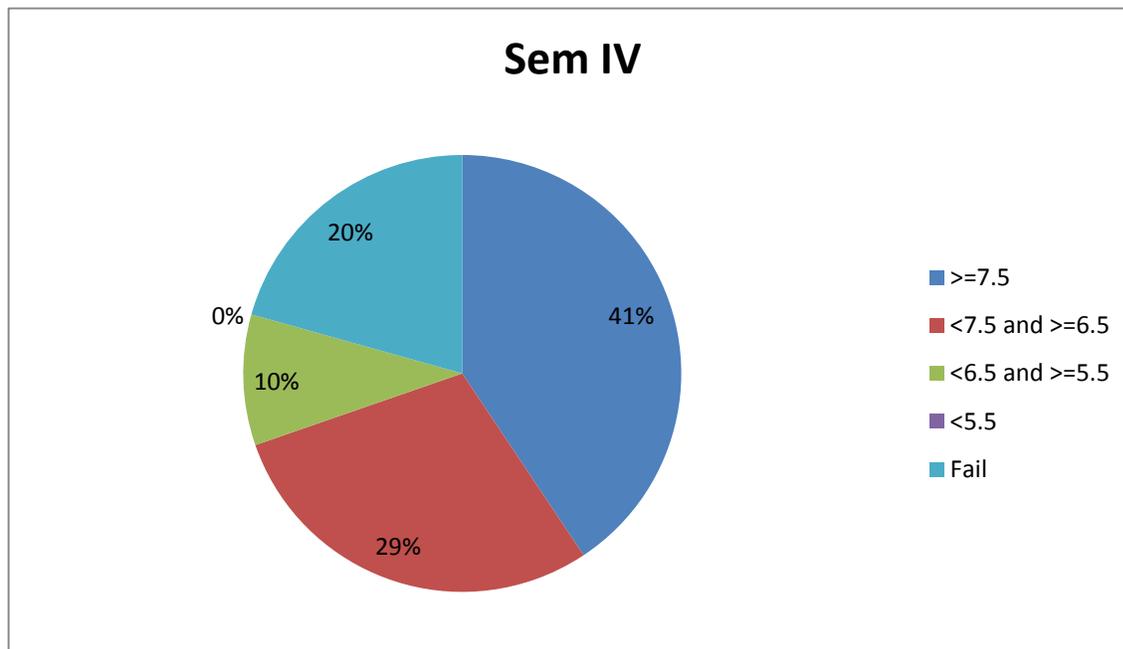
No.	Name of Company	No. of offers	CTC in lakh
1	Barclays	0	8.00
2	Wissen Technology	0	8.00
3	Seclore Technology	1	6.00
4	Interactive Brokers	0	7.60
5	Microsoft	0	10.50
6	ZS Associates	0	6.53
7	Microfocus	1	11.50
8	Think Analytics	0	6.50
9	Jacobs Engineering	0	4.20
10	Amadeus Lab	3	8.35
11	Accenture	54	4.00
12	Colgate-Palmolive	3	5.58
13	L&T Infotech	3	4.18
14	EY	2	4.25
15	Capgemini	6	3.50
16	PharmEasy	0	7.00

No.	Name of Company	No. of offers	CTC in lakh
17	Majesco	4	3.75
18	Oracles	1	6.40
19	NSEIT	2	3.00
20	TCS Ninja	1	3.30
21	Cimpress	0	9.00
22	Publicis.Sapient	0	10.00
23	Performics.Convonix	1	3.20
24	Puretech Internet Pvt. Ltd.	0	3.50
25	Reliance Industries Limited	2	5.50
26	Tata Communications	1	3.60
Total		85	



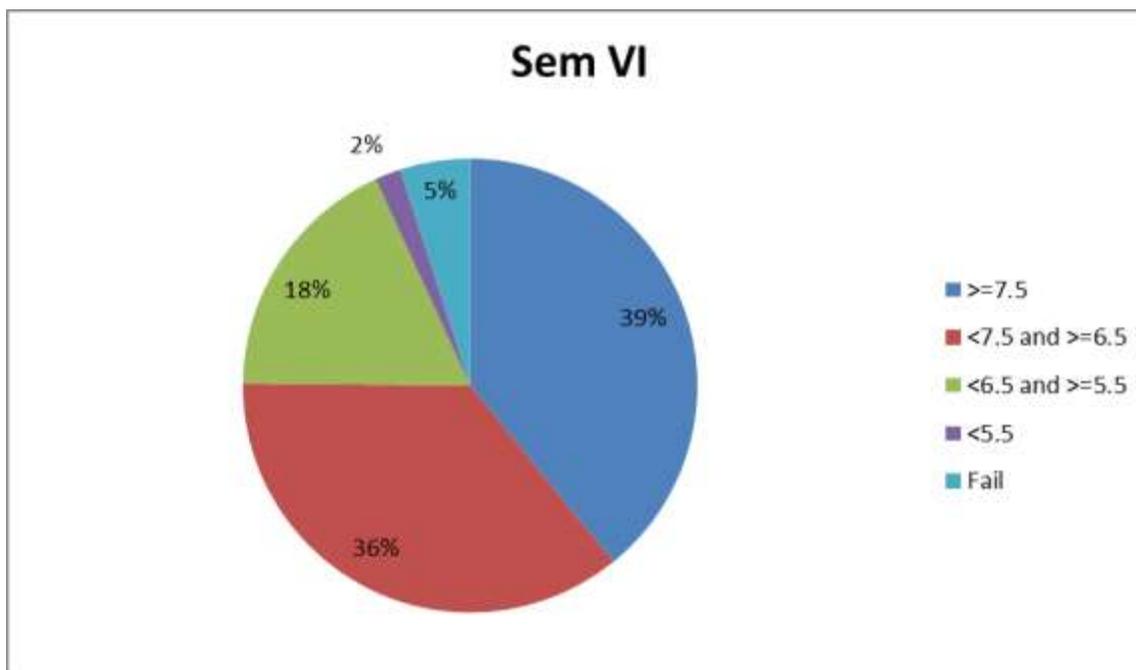
Result Analysis

May-June 2018 Result Analysis



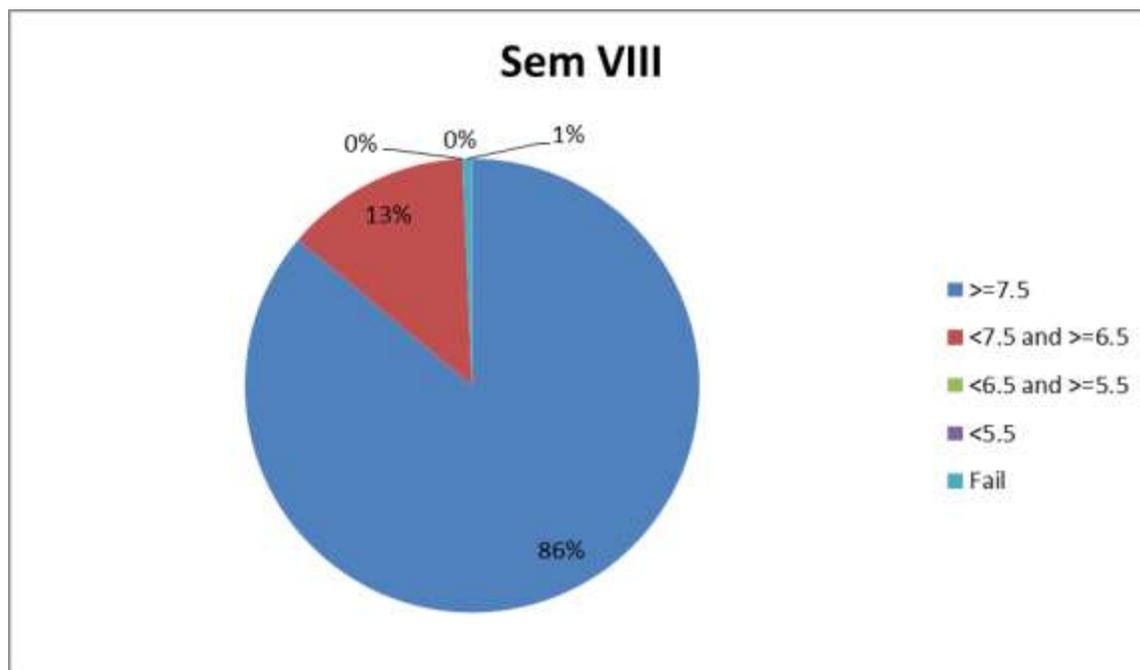
Toppers		
Name	GPA	Rank
Y V N S Sripriya Y Durga Kalyani	9.87	1
Bhambure Saloni Rajeev Suchita	9.74	2
Preetha Ranganathan Jayanthi	9.57	3
Nadar Bharathi Kumar Rajendran Rajakumari	9.43	4
Upasani Rujuta Subhash Aruna	9.43	4
Patel Sagar Anil Jayshree	9.04	5

May-June 2018 Result Analysis



Toppers		
Name	GPA	Rank
Ahuja Rajasi	9.4	1
Dupathi Nagasai Lalith Ramakrishna Jyothsna	9.04	2
Bajaj Divith Niraj Rashmi	9.04	2
Mohapatra Devanshi Dwaraka Smita	9	3
Rathod Sorabh Dharmendra Meena	9	3
Das Tanushri Sulobh Jaishri	8.96	4
Abinaya Nagarajan Krishna	8.88	5
Jagtap Siddhant Mabhav Nandini	8.88	5
Yadav Divakar Radheshyam Sarita	8.88	5

May-June 2018 Result Analysis



Toppers		
Name	GPA	Rank
Nene Sanjana Dayanand Aditi	10	1
Ganatra Darsh Deepak Falguni	9.75	2
Sheth Rutvi Dilip Rekha	9.63	3
Baig Tasbiha Farooque Vajida	9.5	4
Amrith Rangarajan Radha	9.46	5
Shethia Sagar Rajesh Vaneeta	9.46	5

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