



SHRI VILEPARLE KELAVANI MANDAL'S
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
Approved by AICTE and Affiliated to the University of Mumbai



ACADEMIC BULLETIN

July 2016- June 2017

**Department of Electronics &
Telecommunication Engineering**

Prepared By:

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(Professor & Head EXTC, DJSCE)



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July 2016- December 2016

**Department of Electronics &
Telecommunication Engineering**



1. ABOUT DEPARTMENT

1.1 Vision

To be a world class Institution for education, training and research in engineering, inculcating values and skills for sustainable development of the society.

1.2 Mission

- To provide competent faculty and an interactive learning environment along with world class infrastructure for nurturing professionalism & entrepreneurship in Engineers.
- To foster technical competence, research aptitude and environmental awareness amongst aspiring technocrats to develop sustainable engineering solutions.
- To provide a forum for active interaction between academia & industry, leading to continuous improvement in engineering education.

1.3 Vision of the Department

To develop technically competent and socially responsible Electronics and Telecommunication engineers capable of fulfilling expectations at indigenous and global levels.

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- To provide a conducive educational environment for students by providing good infrastructural facilities, knowledge base and excellent faculty support.
- To provide a strong foundation of core knowledge and exposure to research culture.
- To motivate learners to acquire adequate professional and soft skills, to develop personality traits and eventually transform them as life-long learners.
- To strive and achieve practical exposure by maintaining good rapport with industry and professional network.

1.5 Program Educational Objectives (PEOs)

- **PEO1:** To prepare learners for graduate studies by providing strong foundation of basic sciences, computer programming and thus, develop analytical aptitude, and problem solving abilities.
- **PEO2:** To develop a fundamental understanding of electronic & integrated circuits,



communication systems and allied disciplines.

- **PEO3:** To develop core competency and expertise in the diverse areas of communication covering Signal processing, Electromagnetic Engineering, Embedded Systems, Computer Communication and Advanced Wireless Networks domains.
- **PEO4:** To inculcate competencies and aptitude in extending acquired technical knowledge to solve real life issues with high professional and ethical standards.
- **PEO5:** To develop proficiency in soft skills and deliver adequate personality traits to enable the pass outs to pursue higher education, to find competitive employment opportunities and/or pursue entrepreneurial ventures.

1.6 Department Information

- Started in the year 1999 with the intake of 30 and which was increased to 60 in the subsequent year.
- The intake was increased to 120 in the Academic Year 2010 – 11.
- In the Academic Year 2011 – 12, Department has started M.E. Program in Electronics & telecommunication with an intake of 18 students.
- Department got NBA accreditation for two years from January 2013.
- The Department started with Ph.D. program in Academic Year 2015 – 16 with an intake of 10 students.
- The department is having highly qualified, experienced and dedicated faculties and supporting staff.
- Well-equipped labs and fully air conditioned classrooms with projectors



2. ADMINISTRATION

IETE COMMITTEE

Dr. Amit Deshmukh

Dr. M. H. Patwardhan

Prof. Anuja Odhekar

PROJECT COORDINATOR

Dr. Amit Deshmukh

Prof. Ameya Kadam

Prof. Ranjushree Pal

TECHNOFOCUS COMMITTEE

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Prof. Shivani Bhattacharjee

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Prof. Mrunalini Ingle

EXAM COMMITTEE

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Prof. Arati Ambekar

Prof. Yukti Bandi

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3. DEPARTMENT ACTIVITIES

3.1 D J Spark

DJ Spark is a state level Project competition organised by IETE Students Chapter of Department of Electronics and Telecommunication Engineering, DJSCE. The D J spark 2017 is scheduled on 8th April, 2017. DJ Spark aims to encourage students who are eager and passionate to learn and implement innovative ideas in form of working projects. The project competition aims at projects from undergraduate and post graduate level from all engineering colleges, in the areas of EXTC, Electronics, IT and relevant fields from Maharashtra. The accepted and presented projects in paper form will be published in the technical journal “DJ Spark 2017”, which carries ISSN Number. The competition will be judged by renowned personalities from industry and academia.

3.2 ICWiCOM

ICWiCOM-2017 (International Conference on wireless communication -2017) is organized by Electronics & Telecommunication Engineering. The ICWiCOM-2017 is scheduled on 6th – 7th **October, 2017**. The conference aims at various research work in different areas of communication networks, signal processing and RF& Antennas. The conference will have plenary and technical sessions. All accepted and presented papers based on original findings will be send for publication in Springer international journal.

3.3 Ethical Hacking Workshop

Under ICWiCOM, Department had organized workshop on ethical hacking conducted by Skynet securities during September 2016. Total 65 students from FE to TE across different branches attended the same.

3.4 Industrial Visit to Infosys, Pune

The students and faculty members of EXTC Department had been to INFOSYS Campus, Hinjewadi, Pune on 23rd July 2016 for an industrial visit. Along with 97 students, Dr. Amit A. Deshmukh, Professor & Head, EXTC, Prof. Ameya A. Kadam, Prof. Poonam Kadam and Prof. Anuja Odhekar visited the campus. The industrial visit was supported under the SPARK Program, an extraordinary program that aims to raise the aspiration levels of the students.



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SPARK was a one day program that was designed to expose students to the best high-class learning environment and techniques. This program has brought students and faculty members from an institute on an exclusive platform and shared with them the Infosys story and the Infosys experience. Infosys demonstrated that it is possible to dream and achieve. It helped students identify their hidden talents and awaken their potential to excel. Interaction with senior Infosys employees exposed the students to current trends in IT industry.





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3.5 D J Nature Trek Club

Under D J Nature trek club, trek to Fort Sinhagad from Kaylan Darwaja route was organized on 16th October 2016. More than 120 students from FE, SE, TE and BE from all branches along with three faculty members (Prof. A. C. Daptardar, Vice – Principal, Admin., DJSCE, Dr Amit A. Deshmukh, Professor and Head, EXTC, DJSCE, and Prof Venkatramanan V., Assistant Professor, EXTC, DJSCE) participated in the trek.





4. ACHIEVEMENTS

4.1 Faculty Publications- Conferences / Journals

Sr.No.	Name of Faculty	Publications
1	Dr. Amit Deshmukh	<ol style="list-style-type: none">1. Amit A. Deshmukh, Divya Singh, Priyal Zaveri, Mohil Gala and K. P. Ray, "Broadband Slot cut Rectangular Microstrip Antenna", Accepted for publication in ICACC - 2016, September 2016, Kochi, India (Procedia Computer Science (2016) pp. 53-59, DOI: 10.1016/j.procs.2016.07.181, http://dx.doi.org/10.1016/j.procs.2016.07.181)2. Amit A. Deshmukh, Guarav Panchal, Adil Parvez, Payal Mohadikar, Divya Singh and K. P. Ray, "Triple band E-shaped Microstrip Antenna", Accepted for publication in ICACC - 2016, September 2016, Kochi, India (Procedia Computer Science (2016) pp. 67-73, DOI: 10.1016/j.procs.2016.07.183, http://dx.doi.org/10.1016/j.procs.2016.07.183)3. Amit A. Deshmukh, Payal Mohadikar, Kshitij Lele, Guarav Panchal and Adil Parvez, "Psi-shaped Ultra-wideband Monopole Antenna with a Modified Feeding Structure", Accepted for publication in ICACC - 2016, September 2016, Kochi, India (Procedia Computer Science (2016) pp. 60-66, DOI: 10.1016/j.procs.2016.07.182, http://dx.doi.org/10.1016/j.procs.2016.07.182)4. Dr. Amit Deshmukh, Sanjay Deshmukh, Anuja Odhekar, "Analysis and Design of Broadband Corner Truncated Rectangular Microstrip Antenna", Proceedings of APSYM 2016



		<ol style="list-style-type: none">5. Dr. Amit Deshmukh, Sanjay Deshmukh, Anuja Odhekar, "Modified Circular Monopole Antenna for Ultra Wide Band Response", Proceedings of APSYM 20166. Dr. Amit Deshmukh, Sanjay Deshmukh, Anuja Odhekar, "Analysis of Circularly Polarised E-shaped Microstrip Antenna", Proceedings of APSYM 2016
2	Prof. S. B. Deshmukh	<ol style="list-style-type: none">1. Sanjay Deshmukh, Anuja Odhekar, Dr. Amit Deshmukh " Analysis and Design of Broadband Corner Truncated Rectangular Microstrip Antenna", Proceedings of APSYM 20162. Sanjay Deshmukh, Anuja Odhekar, Dr. Amit Deshmukh " Modified Circular Monopole Antenna for Ultra Wide Band Response", Proceedings of APSYM 20163. Sanjay Deshmukh, Anuja Odhekar, Dr. Amit Deshmukh " Analysis of Circularly Polarised E-shaped Microstrip Antenna", Proceedings of APSYM 2016
3	Prof. Poonam Kadam	<ol style="list-style-type: none">1. Amrita Oza, Poonam Kadam, "Low Power High Speed Multiplier Design based on MTCMOS Technique", Communication on Applied Electronics, ISSN: 2394-4714 Foundation of Computer Science FCS, New York, USA Volume 5 – No.7, July 2016.2. Kapil Gawali, Poonam Kadam, "A High Throughput Architecture of DCTQ Processor suitable for FPGA Implementation utilizing Fox Algorithm", International Conference on Inventive Computation Technologies (ICICT 2016), Coimbatore
4	Prof. Anuja Odhekar	<ol style="list-style-type: none">1. Sanjay Deshmukh, Anuja Odhekar, Dr. Amit Deshmukh " Analysis and Design of Broadband Corner Truncated Rectangular Microstrip Antenna", Proceedings of APSYM 2016



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		<ol style="list-style-type: none">Sanjay Deshmukh, Anuja Odhekar, Dr. Amit Deshmukh “ Modified Circular Monopole Antenna for Ultra Wide Band Response”, Proceedings of APSYM 2016Sanjay Deshmukh, Anuja Odhekar, Dr. Amit Deshmukh “ Analysis of Circularly Polarised E-shaped Microstrip Antenna”, Proceedings of APSYM 2016
5	Dr. Sunil Karamchandani	<ol style="list-style-type: none">Y. Jain, S. Labde, S. Karamchandani, Gesture Controlled Wheelchair for Quadriplegic Children, 2016 IEEE, 3rd International Conference on Systems and Informatics (ICSAI 2016) to be held from 19-21 November 2016, in Shanghai, China.
6	Prof. Arati Ambekar	<ol style="list-style-type: none">Ashish S. Nikam and Aarti G. Ambekar “Bilingual Sign Recognition Using Image Based Hand Gesture Technique for Hearing and Speech Impaired People”, IEEE 2nd International Conference on Computing, Communication, Control And Automation, Volume 7, pp. 437 August-2016.Dhanshree S. Shedge, Aarti G. Ambekar, ‘ Digital Video Watermarking based on Different Wavelet Transform’ ,CAE, Vol-5, No. 10,pp 37-41,September 2016Anamika Sen, Malabika Sen, Aarti G. Ambekar, ‘ Improved Electronic Voting Machine with Real Time Data Analysis’, CAE, Vol-6, No. 1,pp 47-49, October 2016
7	Prof. Revati A. S.	<ol style="list-style-type: none">.Revathi A S., Harshit Desai and Ishan Kathuria. "Embedded Web Server". International Journal of Computer Applications 153(10):37-40, November 2016.Revathi A.S, Sanamdeep Singh Anand, Tejaswin Gumber, "Traffic Sign Detection Using MATLAB", International Journal of Science and Research (IJSR),



		<p>https://www.ijsr.net/archive/v5i11/v5i11.php, Volume 5 Issue 11, November 2016, 1251 – 1254</p> <p>3. Rohan Parab, Preeto Jha and Revathi A S, "The sclera pattern recognition for identification". International Journal of Computer Applications December 2016.</p> <p>4. Rahul Desai, Kanchi Chitalia and Revathi A S, "Realization of OFDM communication system"". International Journal of Computer Applications December 2016.</p>
8	Prof. V. Venkataramanan	<p>1. Megh Shukla, V.Venkataramanan, "Road safety Model", Technofocus, March 2016</p> <p>2. Shashank Rane, Ravi Maurya, Vaibhav Zaveri, Deepak Rayani, V.Venkataramanan, "Vehicle Movement Detection Using Street Lights", Technofocus, March 2016</p> <p>3. V.Venkataramanan, "Versatile Self Navigating Robot Base for Agricultural Applications", National Conference, SSN College of Engineering, Chennai 1st to 3rd December 2016</p>



4.2 Interaction of faculties with outside world

Sr. No.	Name of Faculty	Description
1	Dr. Amit Deshmukh	<ol style="list-style-type: none">1. Served as Reviewer for various international and national journals like, IET Microwave Antennas and Propagation, IEEE Antennas and wireless Propagation letters, Elsevier journal of Electronics and Communication, International Journal of Antennas and Propagation, etc.2. Worked as Examiner for PhD annual progress seminar evaluation at VJTI Mumbai and UMIT, SNTD university, Mumbai3. Chief conductor of University exam at DJSCE, Mumbai for Examination in Second half of 20164. Talk on Compact Microstrip antennas at K K Wagh college of Engineering and Research, Nashik, on 10th December 2016
2	Dr. Mrinal Patwardhan	<ol style="list-style-type: none">1. Attended the 24th International Conference on Computers in Education held from 28th November to 2nd December 2016 at the IIT Bombay.
3	Prof. Vishakha Kelkar	<ol style="list-style-type: none">1. NPTEL Workshop for SPOCs 5/07/16 IIT Bombay
4	Prof. S. B. Deshmukh	<ol style="list-style-type: none">1. Attended Saksham- IT Champion Training Program on 31/08/16 conducted by Microsoft at DJSCE2. Attended Workshop on 'Intellectual Property Rights (IPR)' on 2/09/16 organized by University of Mumbai in coordination with RUSA & RGNIIPM at University of Mumbai, Kalina Campus.
5	Prof. Ameya Kadam	<ol style="list-style-type: none">3. Attended Syllabus Revision meeting at VIT, Wadala, Mumbai



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6	Dr. Sunil H. Karamchandani	<ol style="list-style-type: none">1. Four Week AICTE approved FDP by IIT Bombay on “use of ICT in Education for Online and Blended Learning” under MHRD, Govt. of India.2. 24th International Conference on Computers in Education IIT Bombay, India Nov 28th - Dec 2nd 20163. The 8th IEEE international conference on Technology for Education (T4E 2016), at Indian Institute of Technology Bombay, Mumbai from December 2 -4 Dec, 2016.4. Orientation Program on Statistical Signal Processing, Modern Digital Signal Processing for Masters in Engineering Program Electronics & Telecommunication Engg, on 26th August, 2016, organized by Institute of Technology, Mumbai.5. IEEE 4th National Workshop on Cyber Security 12-13th November 2016 at Yantra Park, TCS, Thane, Maharashtra.
7	Prof. A.P. Chavali	<ol style="list-style-type: none">1. FDP on use ICT in education for online and blended learning, IIT, Bombay , 25/06/16to 2/08/16 ---6 days at Sardar Patel Institute of Technology, Mumbai
8	Prof. Archana Chaudhari	<ol style="list-style-type: none">1. Attended STTP on “Issues in 5G Wireless Networks” during 20/06/16 to 24/06/16 at UMIT, SNDT university Mumbai2. Attended Syllabus Revision meeting at VIT, Wadala, Mumbai
9	Prof. Mrunalini Ingle	<ol style="list-style-type: none">1. FDP on use ICT in education for online and blended learning, IIT, Bombay , 25/06/16to 2/08/16 ---6 days at Sardar Patel Institute of Technology, Mumbai
10	Prof. Arati Ambekar	<ol style="list-style-type: none">1. FDP on use ICT in education for online and blended learning, IIT, Bombay , 25/06/16to 2/08/16 ---6 days at Sardar Patel Institute of Technology, Mumbai



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11	Prof. Tushar Sawant	1. Virtual Classroom session on Smith Chart in Atharva College of Engineering.
12	Prof. Deepshikha Hinger	1. Attended STTP on "Issues in 5G Wireless Networks" during 20/06/16 to 24/06/16 at UMIT, SNDT university Mumbai
13	Prof. V.Venkataramanan	1. Microstrip patch MIMO Antenna Design Using IE3D and Testing at SPIT Andheri, on 8 Th October 2016.



5. IETE ACTIVITIES

The Electronics and Telecommunication Department of Dwarkadas. J. Sanghvi College of Engineering presents Institution of Electronics and Telecommunication Engineers- Student Forum (**IETE-SF**). The student chapter with a working force committee of 21, consisting of **second year** and **third year students**, hosted a few of the most quintessential and technically challenging events. A membership drive was conducted at the start of the year with an overwhelming response.

IETE Organizing Committee Structure

Faculty Incharge :- Prof. Mrinal Patwardhan, Prof. Anuja Odhekar

Chairman	Aishwarya Acharya
Vice-Chairman	Hitesh Baadkar
Secretary	Pavitra Gandhi
Jt. Secretary	Sidharth Nayak
Treasurer	Anjali Desai

Head Of Departments :	
Editorial Head	Harshita Zala, Akshar Vairagi
Publicity	Sreeragini Ramkumar, Priyanka Narayanan
Marketing	Jeet Sanghvi, Raj Mehta
Technical	Joel Joy, Shruti Pistolwala
Book Bank	Aharva Desai
Infotech	Mohit Pant, Sushmita Karkera
Creatives	Neha Desai
Events	Samruddhi Bhaid, Abhishek Satpute
Logistics	Rohan Vaidya, Ankit Chawda



5.1 Value Added Program

Book Bank

Book Bank is an initiative made by IETE that makes **reference books** available to students at **10% of the original cost**. It improved the core competency and to strengthen the teaching ability. These books are referred by the faculty members and hence it makes the studying process efficient and helps increase the student's technological knowledge about the subject. It also helps build a foundation of the concepts that could enhance the practical skills required in the future. It gets refreshed every year and has several books to offer currently.



6. Result Analysis

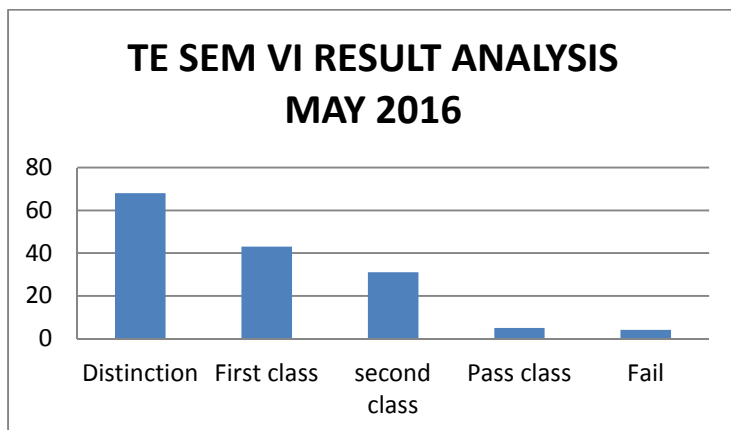
Class:- SE

No. of students: 145

	Distinction	I Class	II Class	Pass class	Fail
SE Result Analysis May 2015	79	31	17	3	15

Subject wise Result Analysis

Subject	Pass	Fail
Applied Mathematics IV	141	4
Analog Electronics II	142	3
Microprocessor & Peripherals	140	5
Wave Theory and Propagation	136	9
Signals & Systems	143	2
Control System	140	5



Name	Rank	GPA
Parmar Yash	First	10
Chavda Aniket	First	10
Harshita Zala	Second	9.93



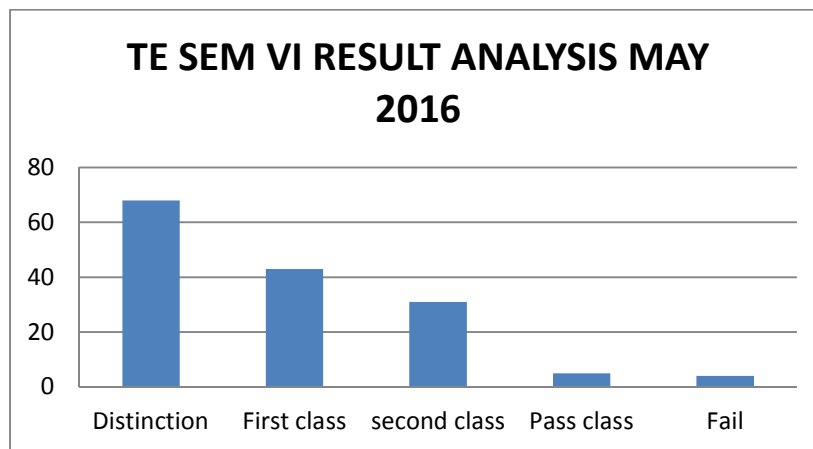
Class: TE

Total No. of students = 150

	Distinction	First class	second class	Pass class	Fail
TE Result Analysis(SEM VI)-May 2016	68	43	31	5	4

Subjectwise Result Analysis

Subject	Pass	Fail
Digital Communication	150	0
Discrete Time Signal Processing	150	0
Computer communication and Telecomm N/w	150	0
Television Engineering	150	0
Operating System	150	0
Very Large Scale Integration Circuits	146	4



Name	Rank	GPA
Khushboo Korani	First	10
Amber Koyani	First	10
Forum Shah	Second	9.96
Stuti Patel	Third	9.86



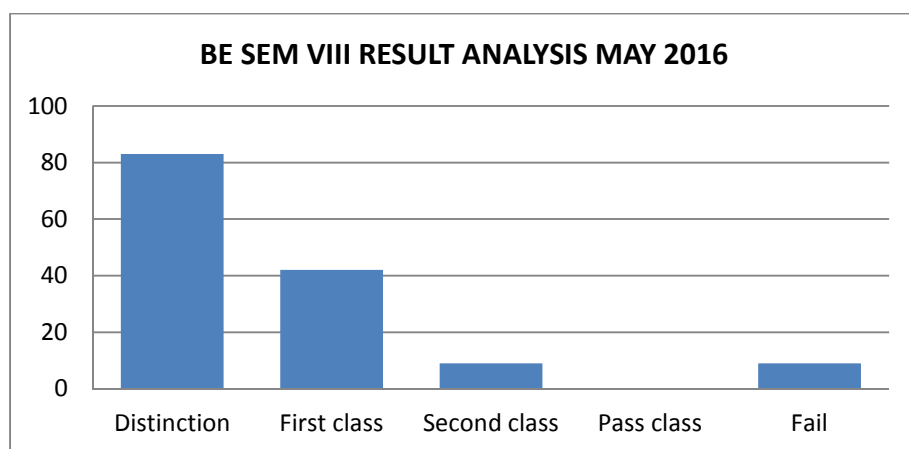
Class: BE

Total No. of students = 143

	Distinction	First class	Second class	Pass class	Fail
BE Result Analysis(SEM VIII)-May 2016	83	42	9	0	9

Subjectwise Result Analysis

Subject	Appeared	pass	fail
Wireless Network	143	143	0
Satellite Communication	143	139	4
Internet & Voice Communication	143	142	1
Telecomm Network Management	124	124	0
Speech Processing	19	19	0
Project	143	143	0



Name	Rank	GPA
Chirag Mehta	First	9.48
Maniar Harsh	Second	9.39
Gupta Deven	Third	9.24



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Secretary	Pavitra Gandhi
Treasurer	Anjali Desai
Jt.Secretary	Siddharth Nayak

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Editorial Head	Harshita Zala, Akshar Vairagi
Publicity	Sreeragini Ramkumar, Priyanka Narayana
Marketing	Jeet Sanghvi, Raj Mehta
Technical	Joel Joy, Shruti Pistolwala
Book Bank	Stuti Patel, Pavitra Gandhi
Infotech	Mohit Pant, Sushmita Karkera
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Book Bank is an initiative made by IETE that makes **reference books** available to students at **10% of the original cost**. It improved the core competency and to strengthen the teaching ability. These books are referred by the faculty members and hence it makes the studying process efficient and helps to increase the student's technological knowledge about the subject. It also helps to build a foundation of the concepts that could enhance the practical skills required in the future. It gets updated every year and has several books to offer currently.

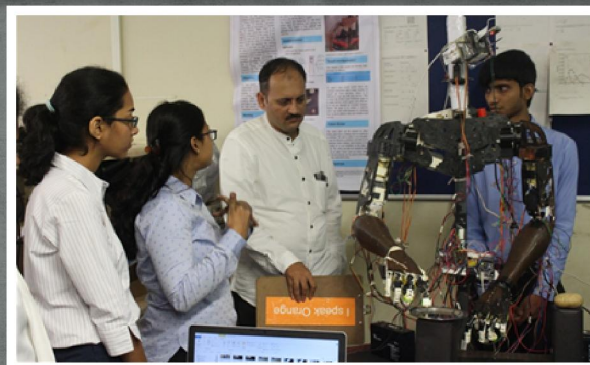
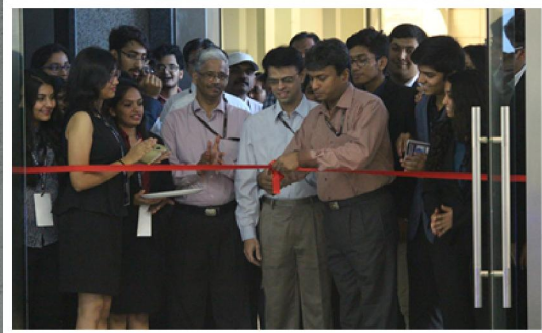


4. DEPARTMENT ACTIVITIES UNDER IETE-SF

4.1 D J Spark

DJ Spark is a state level project competition which was held on 15th April, 2017 in the college premises. Students from various parts of Maharashtra submitted their project ideas, out of which the best ones were selected for the competition. A lot of BE final year students also widely supported this competition by submitting their final year project abstracts. It was a huge success with a total of **28 teams** clearing the review process and making it to the final day. A wide array of projects from Electronics and telecommunication to IT-based projects which could find commercial implementation were presented. The teams that won were felicitated and handed a cash prize. The winning teams and their projects were as follows:

- 1) Shreyas Dhawale,
Suraj Iyer,
Prathmesh Matodkar,
Nirav Gori
Project Title: Soil Based Data Acquisition System & Weather forecasting
- 2) Maitreyi Chitale,
Antara Gupta,
Manohar Hosmani,
Keval Kamdar,
Project Title: Knee Rehabilitation using ATMEGA 2560
- 3) Anmol Jain,
Yash Jain,
Ashish Malpani,
Kewal Shah
Project Title: Audience Measurement System







4.2 Alumina Meet

The alumni meet was arranged on 11th March, 2017 at 11.00 am. Head of the department, Dr. Amit A Deshmukh welcomed the gathering. He also briefed the gathering about current activities of the department as well the institute. Around 50 alumina from various academic years attended the event .They shared their views and experiences with faculty as well as with present students. This was followed by lunch. The feedback from alumni shows that they were very keen to offer some industry interaction for ongoing students. Also they were very happy to visit the institute and interact with their own faculties.





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4.3 Hands on MATLAB

Prof. Venkataramanan conducted the workshop on Matlab programming from the basic layouts, commands, predefined library functions, structure data types and function handles. The usage of matrix manipulations, mathematical applications and creation of programming user interfaces made it very clear about the product's versatility in various backgrounds. The second half of the session was the most exciting and the highlight of the day. Students learnt about the other aspects supported by MATLAB like inbuilt text, audio and video file extensions and graphic user interface programming like Simulink and guide (GUI). Students had hands on practice of various tool boxes of Image processing, like face detection and signal processing, to play a song on MATLAB.

The interactive session at the end cleared all doubts of the students about the software. The Faculty's friendly attitude and impeccable presentation gave the training credibility. In all, the lecture helped students understand the power and extensiveness of MATLAB software that would help them in their academics and future projects.





4.4 Workshop on Python, Android and R PI

The workshop on Python programming, Android and R PI was organized on 12th February, 5th & 12th March 2017. The workshop was conducted by trainers from SKYNET securities, Mumbai. Total 45 students from FE, SE and TE from all departments attended the same.



4.5 Industrial visit to Dahanu Thermal Power Station (DTPS)

Dahanu Thermal Power Station or Reliance Dahanu Thermal Power Station (DTPS) is a coal based thermal power plant located at coastal Dahanu town in Palghar district . The power plant is operated by Reliance Infrastructure. It has an installed capacity of 500 MW (2x250 MW) with 2 units of 250MW. Each unit consists of one Boiler, one Turbine and one Process Control Room (PCR). The Industrial Visit was conducted on the 24th of January, 2017 by the IETE committee of The Department of Electronics and Telecommunication. More than 70 people were part of this learning process.



4.6 Ethical Hacking Workshop

Engineers can take preventive security practices to the next level by learning how to hack. As opposed to malicious “black hat” hacking, ethical “white hat” hacking (also called penetration testing) involves using computer hacking skills to identify network security vulnerabilities and patch security holes before anyone can misuse them. Total 69 students attended the Ethical Hacking workshop.

The overall goal of the workshop was to introduce participants to

- The importance of ethical hacking tools
- Understanding the ethical hacking process
- Implementing ethical hacking tools



4.7 Tech talk by national award winning singer, Mr. Mahesh kale

A technical talk by Mr Mahesh Kale, National award winning singer ("National Film Award for Best Playback Singer (Male)" for the film Katyar Kaljat Ghusali at 63rd National Film Awards 2015) was organized on 30th March 2017.

He briefed the student about his carrier in music after completing his engineering graduation. He gave some life lessons to the entire audience. He believes in creating beauty out of music and his mantra is to make as many mistakes as we can but never to repeat them.





4.8 Tech IQ – Technical Quiz In collaboration with DJ TRINITY

IETE-SF in collaboration with the college festival DJ TRINITY, organized a fun technical quiz to test the technical acumen of the students. Students came in huge numbers to stand a chance at winning exciting prizes. It was a delightful time where students beat the clock and pounced at questions to earn invaluable points making their way to the top of the charts. The enthusiasm of the participants as well as the organizers truly made the event an incredible success.



4.9 Mini Militia tournament in collaboration with DJ TRINITY

IETE-SF organized a fun event for the benefit of the students. It was a multiplayer game where students had to virtually shoot one another to earn digital points. This event worked as a stress-buster and was enjoyed by a majority of the students.



4.10 Trek to SudhaGad

Trek to fort Sudha Gad was organized under D J Nature trail club on 19th March 2017. Total 20 students from various branches from SE/TE/BE, participated in the trek. Faculty members, Prof. Amit A. Deshmukh (Professor and Head, EXTC, DJSCE) and Prof. Tushar Sawant, EXTC, accompanied the students.





5. ACHIEVEMENTS

5.1 Faculty Publications- Conferences / Journals

Sr.No.	Name of Faculty	Publications
1	Dr. Amit Deshmukh	<p>[1] Amit A. Deshmukh, Shefali Pawar, Poonam Kadam, Anuja Odhekar and K. P. Ray, "Analysis of Single Shorted Square Microstrip Antenna" Accepted for publication in ICEI – 2017, 3th – 5th February 2017, Pune, India (IEEE digital library)</p> <p>[2] Amit A. Deshmukh, Shafin Nagarbowdi, Poonam Kadam and Anuja Odhekar, "Broadband Gap-coupled Isosceles Triangular Microstrip Antennas" Accepted for publication in ICEI – 2017, 3th – 5th February 2017, Pune, India (IEEE digital library)</p> <p>[3] Priyanka Verma and Amit A. Deshmukh, "Ring Shape Microstrip Antenna for Multi-band Response" , Proceedings of ICIATE 2017, 12th – 14th January 2017, ACOE, Mumbai, India, (Special Issue 2017, IJERT Journal, vol. 5, issue 1, pp. 749 – 752, ISSN: 2278-0181).</p> <p>[4] Amit A. Deshmukh, Joel Joy, Manali Bhat, Milind Jani and K. P. Ray, "Modified C-shape Microstrip Antenna for Dual and Broadband response" Accepted for publication in CSITA – 2017, 7th – 8th April 2017, Mumbai, India (IEEE digital library)</p> <p>[5] Amit A. Deshmukh, Poonam Kadam and Priyal Zaveri, "On the Design of Circularly Polarized U-slot cut Square Microstrip Antenna" Accepted for publication in CSITA – 2017, 7th – 8th April 2017, Mumbai, India (IEEE digital library)</p> <p>[6] Amit A. Deshmukh and K. P. Ray, "Analysis and Design of Broadband U-slot cut Rectangular Microstrip</p>



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		Antennas”, Accepted for publication in Sadhana - Academy Proceedings in Engineering Science, Springer Publication, 2017.
2	Dr. Mrinal Patwardhan	[1] Patwardhan, M., & Murthy, S. (2017). Designing Reciprocal Dynamic Linking to improve learners' Representational Competence in interactive learning environments. Research and Practice in Technology Enhanced Learning, 12(1), 10. DOI: 10.1186/s41039-017-0046-8
3	Vishakha Kelkar	[1] Jinal H. Mehta, Vishakha Kelkar. ”Comparison of Reversible watermarking using Prediction error expansion and Prediction error expansion considering Region of interest for Medical images.” 2017 2nd International Conference for Convergence in Technology (I2CT), 2017
4	Poonam Kadam	[1] Amit A. Deshmukh, Shefali Pawar, Poonam Kadam, Anuja Odhekar and K. P. Ray, “Analysis of Single Shorted Square Microstrip Antenna” Accepted for publication in ICEI – 2017, 3th – 5th February 2017, Pune, India (IEEE digital library) [2] Amit A. Deshmukh, Shafin Nagarbowdi, Poonam Kadam and Anuja Odhekar, “Broadband Gap-coupled Isosceles Triangular Microstrip Antennas” Accepted for publication in ICEI – 2017, 3th – 5th February 2017, Pune, India (IEEE digital library) [3] Amit A. Deshmukh, Poonam Kadam and Priyal Zaveri, “On the Design of Circularly Polarized U-slot cut Square Microstrip Antenna” Accepted for publication in CSITA – 2017, 7th – 8th April 2017, Mumbai, India (IEEE digital library)
5	Anuja Odhekar	[1] Amit A. Deshmukh, Shefali Pawar, Poonam Kadam, Anuja Odhekar and K. P. Ray, “Analysis of Single Shorted Square Microstrip Antenna” Accepted for publication in



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		ICEI – 2017, 3th – 5th February 2017, Pune, India (IEEE digital library) [2] Amit A. Deshmukh, Shafin Nagarbowdi, Poonam Kadam and Anuja Odhekar, “Broadband Gap-coupled Isosceles Triangular Microstrip Antennas” Accepted for publication in ICEI – 2017, 3th – 5th February 2017, Pune, India (IEEE digital library)
6	Dr. Sunil Karamchandani	[1] S. Karamchandani, A. Mehta, “Performance Evaluation of Machine Learning and Deep Learning Techniques for Sentiment Analysis”, 4th INTERNATIONAL CONFERENCE ON INFORMATION SYSTEM DESIGN AND INTELLIGENT APPLICATIONS, (INDIA - 2017) 15th - 17th, June, 2017 Organized by Duy Tan University, 3 Quang Trung, Da Nang, Vietnam, [2] S. Karamchandani, A. Gondhalekar, A. Alandikar, "Vision Based Shooting Simulator," IEEE 11th INDIACOMM, 4th International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, March 2017.
7	Archana Chaudhari	[1] Urvi Gada, Tanvi Gogri, Yash Gandhi, Archana Chaudhari, “ Design and Implementation of Wireless Gesture Controlled Robotic Car with Robotic Arm” Proceedings of ICETE 2017, 4th – 5th March 2017, IJRISE journal, volume 3, issue 2, March- April 2017. e-ISSN: 2394-8299.



5.2 Interaction of faculties with outside world

Sr. No.	Name of Faculty	Description
1	Dr. Amit Deshmukh	Reviewer of conferences like CSITA – 2017, ICCICT – 2015, ICACTA – 2015, ICACC – 2016 and Inter-national journals (PIERS, IEEE-Antennas and Wireless Propagation Letters, IET – Microwave Antennas and Propagation, Journal of Microwaves, Optoelectronics and Electromagnetic Applications, IETE Journal of Research)
		Antenna Engineering”, Guest lecture at KKWCOEER, Nashik, 28th January 2016
		“Received Best paper awards at ICEI – 2017, for the papers entitled ‘Broadband Gap-coupled Isosceles Triangular Microstrip Antennas’ and ‘Analysis of Single Shorted Square Microstrip Antenna’, 3rd – 5th February 2017, Pune.
2	Dr. Mrinal Patwardhan	Invited speaker for FDP on “Effective Integration of Technology for Outcome Based Education” on 25 th March 2017.
3	Ameya Kadam	Resource person in ISE approved STTP on 5 th January 2017 at Viva Institute of Technology on topic Implementation of Horn and Microstrip antenna in IE3D.
4	Dr. Sunil H. Karamchandani	Orientation workshop for top 253 participants of Use of ICT in Education for Online and Blended Learning, IIT Bombay, 25th-26th March 2017
5	Archana Chaudhari	Invited as judge for Project and Poster competition in Utsav SCI-TECH 2k17 on 16 th February 2017 at L. R. Tiwari College of Engineering, Mira Road (E).
		Received Best paper awards at ICEMTE – 2017, for the papers entitled, “Design and Implementation of Wireless Gesture Controlled Robotic Car with Robotic Arm” Proceedings of ICETE 2017, 4th – 5th March 2017 at L. R. Tiwari College of Engineering, Mira Road (E).



5.3 Faculty Achievement- NPTEL

Sr. No.	Name	Course	Remark
1	Ameya Kadam	Antenna	Topper (Elite with gold certificate)
		An Introduction To Coding Theory	Elite Certificate
2	Aarti G Ambekar	Antennas	Elite Certificate
3	Venkata A P Chavali	Antennas	Elite Certificate

5.4 Students Achievements

Sr. No.	Name Of Student	Class	Event	Date	Description
1	Rohan Vaidya	TE	Yenerex during Techfest 2016-17 at IIT Bombay.	16-12-17 to 18-12-17	2 nd position
2	Darshan Trivedi	TE	Yenerex during Techfest 2016-17 at IIT Bombay.	16-12-17 to 18-12-17	2 nd position
3	Siddharth Nayak	TE	Young India Challenge	4 th -5 th March 17	winner
4	Snehashish Pandya	TE	SciBizTech, Interrobang NALSAR, Hyderabad	21-1-2017	2 nd Won Rs 6,000
5	Urvi Gada, Tanvi Gogri, Yash Gandhi	BE	Received Best paper awards at ICEMTE – 2017, for the papers entitled, “Design and Implementation of	4th – 5th March 2017	winner



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			Wireless Gesture Controlled Robotic Car with Robotic Arm” at L. R. Tiwari College of Engineering, Mira Road (E).		
6	<u>Darshan Kaushik Trivedi</u>	TE	NPTEL course on Introduction To Modern Application Development	Jan 17- April 17	Elite Certificate
7	<u>Wallace William Dalmet</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate
8	<u>Ayushmaan Ahluwalia</u>	TE	NPTEL course on Information Security-3	Jan 17- April 17	Elite Certificate
9	<u>Mohammed Irfan Anwar Kherani</u>		NPTEL course on Information Security-3	Jan 17- April 17	Elite Certificate
10	<u>Milan Labhubhai Chheta</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate
11	Prachi Gandhi	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate



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12	<u>Jeet Devang Sanghavi</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate
13	<u>Harsh Nalin Mehta</u>	BE	NPTEL course on Introduction to Operations Research	Jan 17- April 17	Elite Certificate
14	<u>Abhishek Das</u>	SE	NPTEL course on Strategy: An Introduction To Game Theory	Jan 17- April 17	Elite Certificate
15	<u>Bhavin Binit Shah</u>	TE	NPTEL course on Foundation Course In Managerial Economics	Jan 17- April 17	Elite Certificate
16	<u>Nivesh Tulsian</u>	SE	NPTEL course on Foundation Course In Managerial Economics	Jan 17- April 17	Elite Certificate
17	<u>Rijuta Patil</u>	SE	NPTEL course on Foundation Course In Managerial Economics	Jan 17- April 17	Elite Certificate
18	<u>Onkar Eknath Kedar</u>	TE	NPTEL course on Strategy: An Introduction To Game Theory	Jan 17- April 17	Elite Certificate
19	<u>Divyesh Parmar</u>	SE	NPTEL course on Programming, Data Structures And	Jan 17- April 17	



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			Algorithms Using Python		
20	<u>Vineet Kanetkar</u>	SE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate
21	<u>Kathan Mehta</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate
22	<u>Milan Labhubhai Chheta</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate
23	<u>Mody Hardik Nilesh</u>	TE	NPTEL course on Introduction To Modern Application Development	Jan 17- April 17	Elite Certificate
24	<u>Saurabh Suresh Ghadi</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	
25	<u>Aksharkumar Vijaykumar Vairagi</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate



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26	<u>Khaja</u> <u>Moinuddin</u> <u>Raziuddin</u>	SE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	
27	<u>Namrata</u> <u>Verma</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	
28	<u>Joel Joseph</u> <u>Joy</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate
29	<u>Sagar</u> <u>Jayantilal</u> <u>Satra</u>	TE	NPTEL course on Introduction To Modern Application Development	Jan 17- April 17	
30	<u>Sanjukta</u> <u>Desai</u>	TE	NPTEL course on Programming, Data Structures And Algorithms Using Python	Jan 17- April 17	Elite Certificate
31	Saniya Nitin Mehta	TE	NPTEL course on Financial Statement Analysis and Reporting	Jan 17- April 17	Elite Certificate
31	Harsh Nalin Mehta	BE	NPTEL course on Six Sigma	Jan 17- April 17	



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33	Darshan Kaushik Trivedi	TE	NPTEL course on Programming In C++	Jan 17- April 17	Elite Certificate
34	Darshan Kaushik Trivedi	TE	NPTEL course on Embedded Systems Design	Jan 17- April 17	Elite Certificate
35	Desai Atharv Sandeep	TE	NPTEL course on Embedded Systems Design	Jan 17- April 17	
36	Husain Mistry	SE	NPTEL course on Probability and Statistics	Jan 17- April 17	Elite Certificate
37	Onkar Eknath Kedar	TE	NPTEL course on Probability and Statistics	Jan 17- April 17	Elite Certificate
38	Ashish Maheshwari	TE	NPTEL course on Financial Statement Analysis and Reporting	Jan 17- April 17	Elite Certificate
39	Saniya Nitin Mehta	TE	NPTEL course on Enhancing Soft Skills and Personality	Jan 17- April 17	Elite Certificate
40	Snehashish Panda	TE	MELAS Quiz, Interrobang NALSAR, Hyderabad	22-1-2017	1 st Won Rs 9,000
41	Snehashish Panda	TE	Gen Quiz, Interrobang NALSAR, Hyderabad	22-1-2017	2 nd Won Rs 6,000



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42	Snehashish Panda	TE	COEP Open Sports Quiz COEP, Pune	29-1-2017	1 st Won Rs 10,000
43	Snehashish Panda	TE	Magister National College Quizzing Championships KQA, Bangalore	29-1-2017	1 st In Pune AIR 11
44	Snehashish Panda	TE	IQ Valence Gen Quiz Manzar, ICT, Mumbai	5-2-2017	7 th
45	Snehashish Panda	TE	Civil War Biz Quiz KJ Somaiya Institute of Management and Research	7-2-2017	2 nd Won Rs 5,000
46	Snehashish Panda	TE	Primordium Scitech Quiz St Xavier's, Mumbai	8-2-2017	1 st Won Rs 2,000
47	Snehashish Panda	TE	Primordium Gen Quiz St Xavier's, Mumbai	9-2-2017	1 st Won Rs 4,000
48	Snehashish Panda	TE	Open Biz Quiz Cannot Place 2017, Delhi	10-2-2017	1 st Won Rs 5,100
49	Snehashish Panda	TE	Gen Quiz Mumbai Quiz Festival	5-3-2017	Best College Team Won Rs 1,500
50	Snehashish Panda	TE	MELANGE Gen Quiz NMIMS, Mumbai	7-3-2017	2 nd Won Rs 3,000



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51	Snehashish Panda	TE	Life and Times Quiz, Madras Minutiae IIT Madras, Chennai	11-3-2017	1 st Won Rs 7,500
52	Snehashish Panda	TE	MELAS QUIZ, Madras Minutiae IIT Madras, Chennai	12-3-2017	1 st Won Rs 7,500
53	Snehashish Panda	TE	Gen Quiz, Madras Minutiae IIT Madras, Chennai	12-3-2017	3 rd Won Rs 4,500
54	Snehashish Panda	TE	Open Sports Quiz IIT Bombay	17-3-2017	1 st
55	Snehashish Panda	TE	Battle of the Book Clubs Lit Quiz Books on Toast, Cuckoo Club, Mumbai	30-3-2017	2 nd



6. Result Analysis

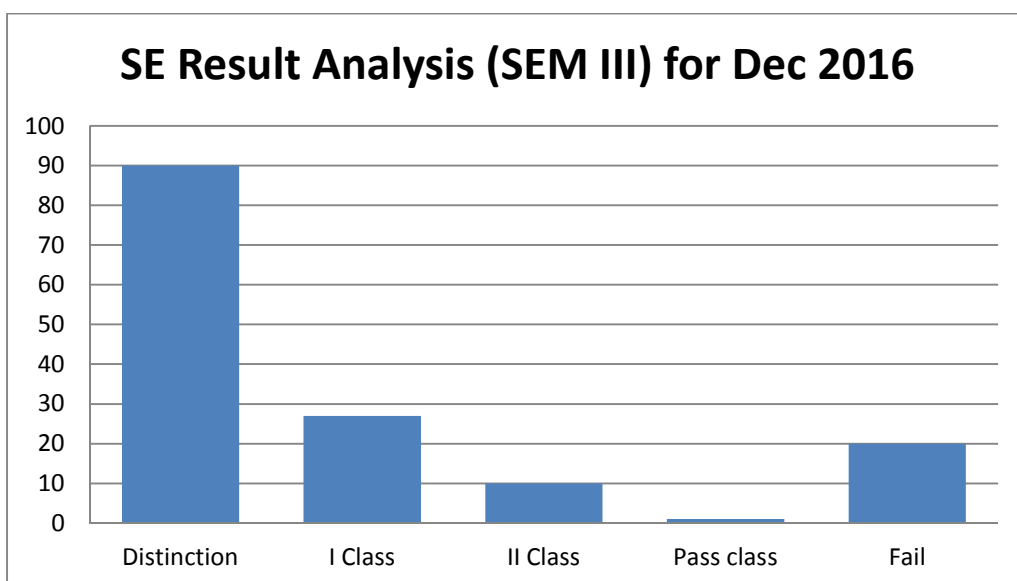
Class:- SE

No. of students: 148

	Distinction	I Class	II Class	Pass class	Fail
SE Result Analysis(SEM III) Dec 2016	90	27	10	1	20

Subjectwise Result Analysis

Subject	Appeared	Pass	Fail
Applied Mathematics III	148	132	16
Analog Electronics I	148	144	4
Digital Electronics	148	147	1
Circuits and Transmission Line	148	140	8
Electronics Instruments and Measurements	148	147	1





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Name	Rank	GPA
Desai Rumi	First	10
Roge Swapnil	First	10
Trodkar Saurabh	First	10
Mistry Parth	First	10
Thakur Swapnil	First	10
Rodrigues Elton	Second	9.85
Dixit Akshaya	Third	9.77

Class: TE

Total No. of students = 144

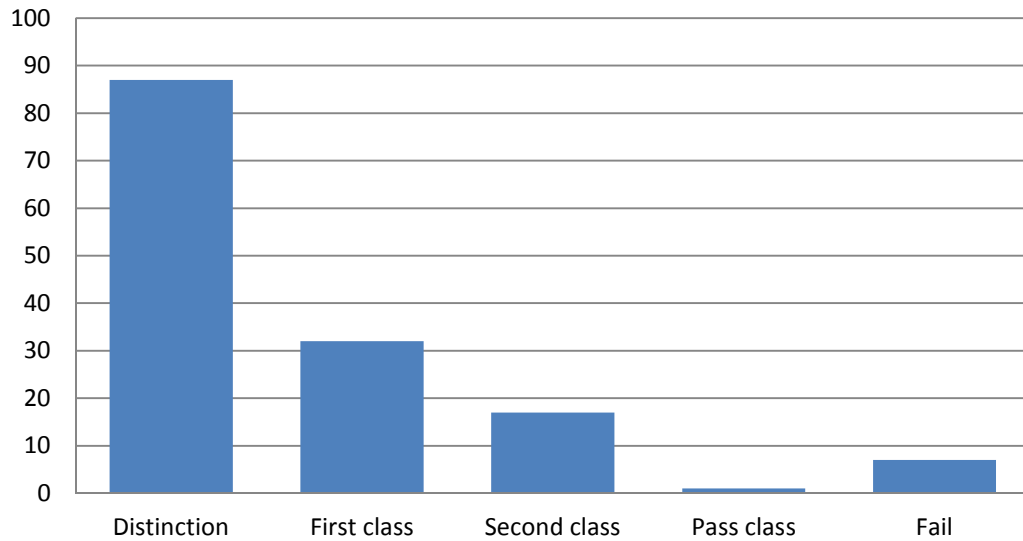
	Distinction	First class	second class	Pass class	Fail
TE Result Analysis(SEM V)-Year 2016	87	32	17	1	7

Subjectwise Result Analysis

Subject	Appeared	pass	fail
Microcontrollers and Applications	144	143	1
Analog Communication	144	140	4
Random Signal Analysis	144	142	2
RF Modelling and Antennas	144	139	5
Integrated Circuits	144	140	4



TE Result Analysis (SEM V) for Dec 2016



Name	Rank	GPA
Gandhi Prachi	First	10
Chavda Ankit	Second	9.85
Moharir Sagar	Third	9.7
Zala Harshita	Third	9.7

Class: BE

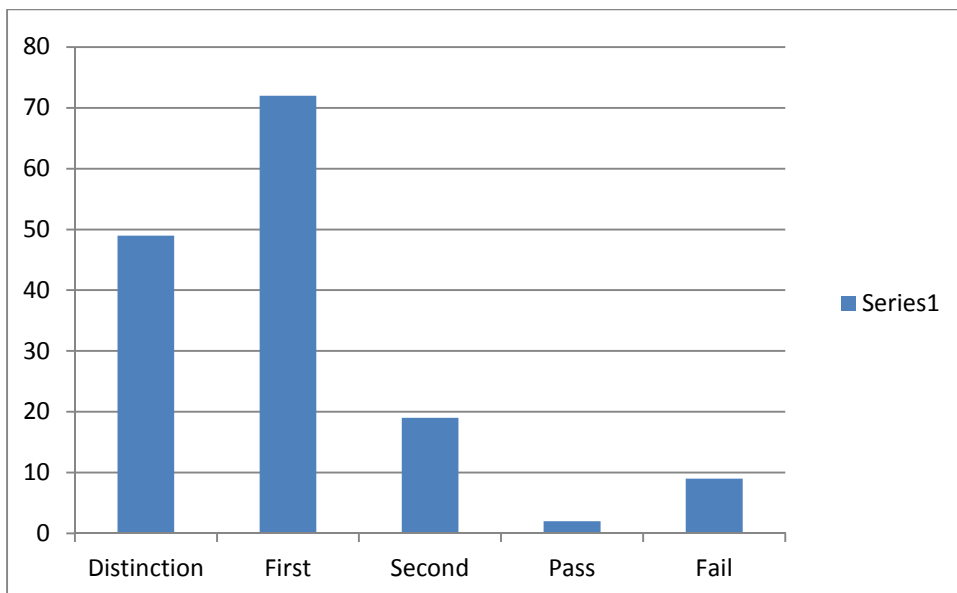
Total No. of students = 151

	Distinction	First class	Second class	Pass class	Fail
BE Result Analysis(SEM VII)- Year 2016	49	72	19	2	9



Subject wise Result Analysis

Subject	Appeared	pass	fail
Image and Video Processing	151	151	0
Mobile Communication	151	150	1
Microwave and Radar Engg.	151	145	6
Data Compression and Encryption	19	16	3
Nural Network and Fuzzy Logic	132	132	0
Project	151	151	0



Name	Rank	GPA
Koyani Amber	First	9.11
Korani Khishboo	Second	8.81
Ramnathan Rajiv	Third	8.7