



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



ACADEMIC BULLETIN

July 2014- June 2015

**Department of Electronics &
Telecommunication Engineering**

Prepared By:

Ms.ArchanaChaudhari

(Asst. Professor)

Mrs.Ranjushree Pal

(Asst. Professor)

Dr.Amit Deshmukh

(Professor & Head EXTC, DJSCOE)



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July 2014- December 2014

**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

- 1) To provide competent faculty and an interactive learning environment along with world class infrastructure for nurturing professionalism & entrepreneurship in Engineers.
- 2) To foster technical competence, research aptitude and environmental awareness amongst aspiring technocrats to develop sustainable engineering solutions.
- 3) 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.

1.4 Mission of the Department

- 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 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. STAFF DETAILS

2.1 Publications:

Type	Name of Faculty	Description
International Journal	Prof. Amit Deshmukh, Ami Desai and SalehaShaikh	“Slot cut Ultra Wide Band Antennas”, International Journal of Computer Application, Vol. 103, No. 8, pp. 43 – 47, October 2014 Edition, http://www.ijcaonline.org/archives/volume103/number8/18098-9156 , ISBN : 973-93-80883-15-4. (DOI - 10.5120/18098-9156).
	Prof. Amit Deshmukh, SalehaShaikh and Ami Desai	“Electromagnetic Ban-gap Structure in MSA”, International Journal of Computer Application, Vol. 106, No. 9, pp. 6 – 14, November 2014 Edition, http://www.ijcaonline.org/archives/volume106/number9/18546-9781 , ISBN : 973-93-80883-71-7.(DOI - 10.5120/18546-9781).
	Prof. Amit A. Deshmukh, Ankita R. Jain and Dr. K. P. Ray	“Broadband 270 ⁰ SectoralMicrostrip Antenna”, Microwave and Optical Technology Letters, Vol. 56, No. 6, June 2014, pp. 1447 – 1449, (DOI: 10.1002/mop.28351).
	Prof. Amit A. Deshmukh and Dr. K. P. Ray	“Proximity fed Gap-coupled Half E-shaped Microstrip Antenna Array”, Accepted for publication in Sadhana - Academy Proceedings in Engineering Science, Springer Publication, February 2015 edition.
	Prof. Amit A. Deshmukh, Neelam Phatak and Shafin Nagarbowdi	“Broadband Slot cut 270 ⁰ Sectoral Microstrip Antenna”, Accepted for Publication in ICACIT – 2014, 18 th & 19 th December 2014, Mumbai, India, (Elsevier Digital Library)
	Prof. Poonam Kadam	Comparative Analysis of Routing Protocols " is published in IJCA November 2014 Edition in November 18, 2014. Digital library URL- http://www.ijcaonline.org/archives/volume106/number9/18550.9806 .
	Prof. Shivani Bhattacharyaji	“Industrial automation and sensing using Zigbee” in IJCA Nov. 14/volume 105/ number 10/ ISBN 973-93-80883-55-6
	Prof. Shivani Bhattacharyaji	“Catching moving violators using an embedded system” in IJCA oct.14/volume 104/ number 16/ ISBN 973-93-80883-55-6
	Prof. Shivani Bhattacharyaji	“WI-FI calling”accepted for publication in IJCA dec.14/ ISBN 973-93-80883-55-6



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International Conference	Prof. Amit A. Deshmukh, Neelam V. Phatak and Shafin Nagarbowdi	“Broadband Proximity Fed Shorted Sectoral Microstrip Antennas”, Accepted for Publication ICCICT - 2015, 15 th - 17 th Januray 2015, Mumbai, India (IEEE Digital Library)
	Prof. Amit A. Deshmukh, Prof. Venkata A.P.C., Shafin Nagarbowdi and Shivali D. Kulkarni	“Artificial Neural Network Model for Suspended Equilateral Triangular Microstrip Antennas”, Accepted for Publication ICCICT - 2015, 15 th - 17 th Januray 2015, Mumbai, India (IEEE Digital Library)
	Prof. Amit A. Deshmukh, Shafin Nagarbowdi and Neelam V. Phatak	“Analysis of V-slot cut Shorted Isosceles Triangular Microstrip Antenna”, Accepted for Publication in ICACIT – 2014, 18 th & 19 th December 2014, Mumbai, India, (Elsevier Digital Library)
	Prof. Amit A. Deshmukh, Prof. Tanaji D. Biradar, SalehaShaikh and Prof. K. T. V. Reddy,	“Circular Polarized Microstrip Antenna”, Accepted for Publication in ICACIT – 2014, 18 th & 19 th December 2014, Mumbai, India, (Elsevier Digital Library)
	Prof. Amit A. Deshmukh, Neelam V. Phatak, S. Nagarbowdi, Khitij Lele and Dr. K. P. Ray,	“Broadband Sectoral Microstrip Antennas”, Accepted for Publication in APSYM – 2014, 17 th - 19 th December 2014, Kochi, India
	Prof. Amit A. Deshmukh, Prof. A. Kadam, S. Agrawal and Dr. K. P. Ray	“Broadband offset CPW-Fed Square Slot Antenna”, Accepted for Publication in APSYM – 2014, 17 th - 19 th December 2014, Kochi, India
	Prof. Amit A. Deshmukh, Saleha Shaikh, Ami Desai and Dr. K. P. Ray	“Broadband Two Half U-slot cut Rectangular Microstrip Antenna”, Accepted for Publication in APSYM – 2014, 17 th - 19 th December 2014, Kochi, India.
	Prof. Amit A. Deshmukh, Saleha Shaikh, Ami Desai and Dr. K. P. Ray	“Analysis of Broadband Shorted Plate Slot cut Rectangular Microstrip Antenna”, Accepted for Publication in APSYM – 2014, 17 th - 19 th December 2014, Kochi, India.
	Prof. Amit A. Deshmukh, Prof. A. Kadam, Khitij Lele and Dr. K. P. Ray	“Linearly Polarized Stub Loaded Microstrip Reflectarray with Microstrip Antenna Feed”, Accepted for Publication in APSYM – 2014, 17 th - 19 th December 2014, Kochi, India.
	Prof. Amit A. Deshmukh, Neelam V.	“Analysis of Shorted V-slot cut Dual and Wide band Triangular Microstrip Antenna”, Accepted for Publication



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	Phatak and Shafin Nagarbowdi	ICCICT - 2015, 15 th - 17 th Januray 2015, Mumbai, India (IEEE Digital Library)
	Prof. MrinalPatwardhan	“Learning Design Framework for Constructive Strategic Alignment with Visualizations”, 22 nd International Conference on Computers in Education (ICCE) held at Nara, Japan from November 30th to December 4th, 2014.
	Prof. T.D. Biradar	Accepted research paper in ICACIT 2014 "Circular Polarized Microstrip Antenna" on 18th, 19th Dec 2014. at MCT's RGIT Versova , Andheri -53. (Elsevier Digital Library)
	Prof. VishakhaKelkar	Accepted research paper in ICACIT 2014 "An improved Image Compression Method using LBG with DCT" on 18th, 19th Dec 2014. at MCT's RGIT Versova , Andheri -53. (Elsevier Digital Library)
	Prof. S. B. Deshmukh	Accepted research paper in ICACIT 2014 "An improved Image Compression Method using LBG with DCT" on 18th, 19th Dec 2014. at MCT's RGIT Versova , Andheri -53. (Elsevier Digital Library)
	Prof. Sunil Karamchandani	Accepted research paper in ICACIT 2014 "Contrast Enhancement using Image Fusion" on 18th, 19th Dec 2014. at MCT's RGIT Versova , Andheri.(Elsevier)
	Prof. Sunil Karamchandani	Accepted research paper in ICACIT 2014 "Rewinding Image Fusion" on 18th, 19th Dec 2014. at MCT's RGIT Versova , Andheri. (Elsevier Digital Library)
	Prof. Sunil Karamchandani	Accepted research paper in BDAB 2014, DEC 28-29, “Mobile Battery Efficiency using cloud computing”, SERD, New Delhi, Published in Springer.

2.2 Staff Contribution:

Sr. No.	Name	STTP/Workshop/Seminar Details
1	Prof. Mrinal Patwardhan	Co-organizer of the workshop on "Technology Enhanced Learning of Thinking Skills (TELoTS)" at ICCE 2014, held at Nara. Japan, from November 30th to December 4th, 2014.
2	Prof. Ameya Kadam	Workshop on “Outcome based education and accreditation” on 7/09/2014 at VJIT, Mumbai
3	Prof. Ameya Kadam	Avishkar-14, orientation workshop on 27/08/2014 at Thakur college of Engineering
4	Prof. S. B. Deshmukh	Seminar on “Effective research methodology for PHD aspirants of Engineering and Technology”. On



		7/07/2014 to 11/07/2014 at Vidyalankar institute of technology
5	Prof. A.P. Chavali	Orientation program on RFA on 11/07/14 at Bharatiya Vidyapith College of Engineering, Vashi, Mumbai.
6	Prof. Tushar Sawant	Attended two weeks ISTE – Approved STTP on “Advances in wireless communication and networks” at TSEC (10/11/14 to 21/11/14).

2.3 Extra Curricular:

2.3.1 Sports :

Prof. AmeyaKadam, Sports committee member.

2.3.2 Cultural :

Prof. AmeyaKadam, Cultural committee member.

2.3.3 Admission Committee:

Prof. VishakhaKelkar, Prof. MrinalPatwardhan,
Prof. Ameyakadam, Prof. Sanjay Deshmukh, Prof. Anuja
Odhekar, Prof. PoonamKadam.

2.3.4 Technical Committee:

Prof. T. D. Biradar, Chair person, Technical committee,
organized PULSE

2.3.5 Antiragging cell:

Prof. T. D. Biradar, Prof. VishakhaKelkar

2.3.6 Antiragging squad:

Prof. Amit Deshmukh, Prof. MrinalPatwardhan

2.3.7 Women development cell:

Prof. VishakhaKelkar

2.3.8 Student Council:

Prof. MrinalPatwardhan

2.4 Achievements:

Prof. Mrinal Patwardhan	Awarded APSCE merit scholarship of USD 500 in honour of outstanding performance and dedication at the 22nd International Conference on Computers in Education (ICCE) to held at Nara, Japan from November 30th to December 4th, 2014.
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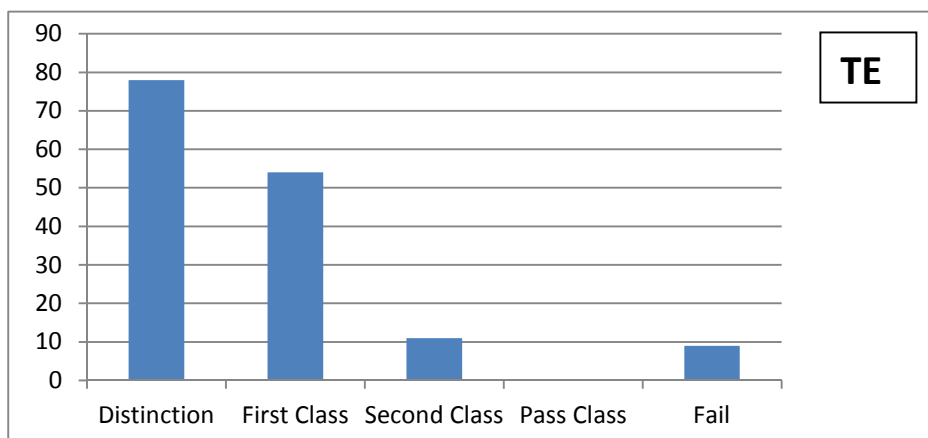
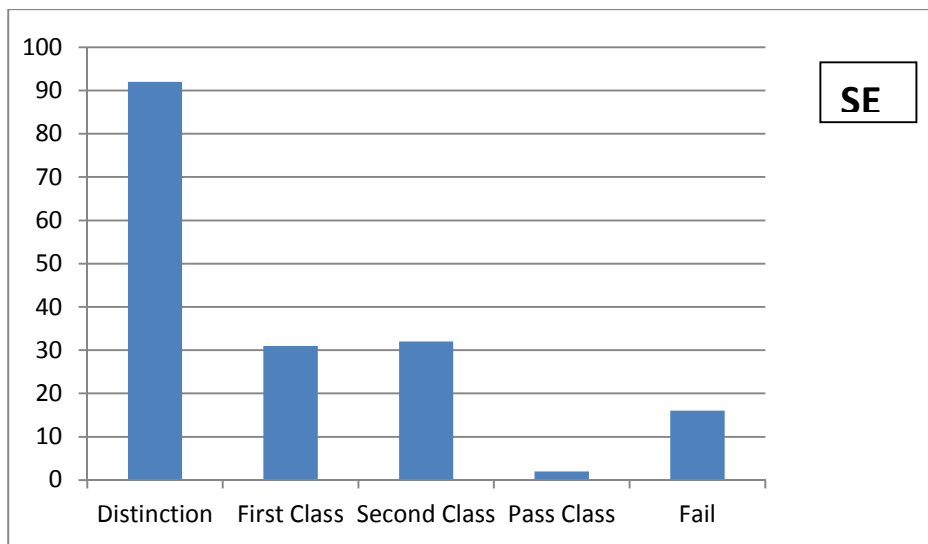


3. STUDENTS DETAILS

3.1 Result Analysis

Class	Total	Distinction	First Class	Second Class	Pass Class	Failed	% Result
SE	144	92	31	3	2	16	88.88
TE	152	78	54	11	0	9	94.07
BE	147	33	98	8	0	8	94.56

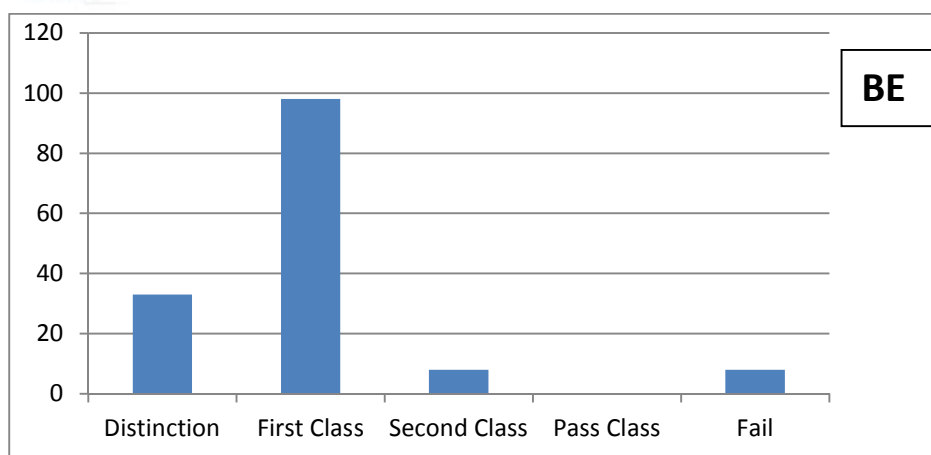
Result Analysis Bar Charts:





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3.2 Publications:

Type	Name	Discription
International Journal	Mohammed HuseinSabuwala, SagarSamant, MitaliSalvi	“Edge Detection based on Fussy Logic” in IJSER September 2014 edition (ISSN 2229-5518)
International Journal	Mohammed HuseinSabuwala, SagarSamant, BhargavGokalgandhi, AmitPandey	“Plasma Speaker” in IJSER September 2014 edition (ISSN 2229-5518)

3.3 IETE

Faculty Incharge- Prof. Mrinal H. Patwardhan, Prof. AnujaOdhekar

Chairperson- Shreya Kamdar

Vice- Chair- Manan Shah

Treasurer- HetaVed

Secretary- Pankil Shah

Workshops Organized in 2014-15

Workshop on	Date	Experts	Faculty Co-ordinators	No. Of Participants
Project based approach towards development of LTE simulator	06/09/2014	Industry Expert	Prof. Mrinal Patwardhan, Prof. Anuja Odhekar	21

Book Bank IETE student chapter

Sr. No.	Total no. Of books	Books in circulation
1	296	200



4. ICCT-2015

ICCT-2015 (International Conference on communication Technology-2015) is organized by Electronics & Telecommunication Engineering department jointly with Department of Electronics Engineering and Department of Biomedical Engineering. The ICCT-2015 is scheduled on 25th – 26th September, 2015. 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 sent for publication in IJCA digital library.

5. DJ Spark 2015

DJ Spark is a state level Project competition organised by IETE Students Chapter of Department of Electronics and Telecommunication Engineering, DJSCE. The DJ spark 2015 is scheduled on 3rd April, 2015. 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 2015”, which carries ISSN Number. The competition will be judged by renowned personalities from industry and academia.



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Jan 2015- June 2015

**Department of Electronics &
Telecommunication Engineering**



1. ADMIMISTRATION

IETE Committee

Dr. Amit Deshmukh

Prof. M. H. Patwardhan

Prof. Anuja Odhekar

Project Coordinator

Dr. Amit Deshmukh

Prof. Ranjushree Pal

Technofocus Commitee

Dr. Amit Deshmukh

Prof. Shivani Bhattacharjee

Departmental Library & Alumni Committee

Dr. Amit Deshmukh

Prof Anuja Odehekar

Prof. Mrunalini Ingle

Time-Table Committee

Prof. S. B. Deshmukh

Prof. Venkata A. P. Chavali

Sports Committee

Prof. Ameya Kadam

Prof. Mrunalini Ingle

Placement Coordinator

Prof. Rahul Taware

Women development cell

Prof. V. V. Kelkar

Exam Committee

Prof. Poonam Kadam

Prof. Arati Ambekar

Prof. Yukti Bandi

Admission Committee

Prof. M. H. Patwardhan

Prof. V. V. Kelkar

Prof. Ameya Kadam

NBA Core Committee

Dr. Amit Deshmukh Prof. M. H. Patwardhan Prof. V. V. Kelkar Prof. Ameya Kadam

Antiragging cell

Prof. T. D. Biradar

Prof. V. V. Kelkar

Antiragging Squad

Dr. Amit Deshmukh

Prof. M. H. Patwardhan

Student Council

Prof. M. H. Patwardhan

Technical Chair Person

Prof. T. D. Biradar

ISTE Secretary cum Treasurer

Prof. T. D. Biradar



2. ACADEMIC ACTIVITIES

2.1 DJ Spark

DJ Spark is a state level project competition which was held on 7th April, 2015 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 **32 teams** clearing the review process and making it to the final day. There were **14 external teams** and **18 internal teams**. 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) Rohit Bhaskar-

Project Title: BiPed Exoskeleton

2) Bhargav Gokalgandhi

Ameya Singh-

Project Title: Industrial Automation and Sensing Using Zigbee

3) Sagar Samant

Dereyk Dsouza

Mitali Salve

Mohd.Husein Sabuwala-

Project Title: Portable ECG Monitor using Android

2.2 ICCT- 2015

ICCT-2015 (International Conference on communication Technology-2015) is organized by Electronics & Telecommunication Engineering department jointly with Department of Electronics Engineering and Department of Biomedical Engineering. The ICCT-2015 is scheduled **on 25th – 26th September, 2015**. 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 IJCA digital library (<http://www.ijcaonline.org/>) and extended version in CAE journal (<http://www.caeaccess.org/>).

2.3 NS-2 Simulator Workshop

Department of EXTC had organized a workshop on '**NS-2 Simulator**' on **5/02/15** for students and faculty members of the college. This workshop was coordinated by Prof **Archana Chaudhari** and **Prof. Yukti Bandi**. The NS-2 simulator is a network simulator with the help of which one can simulate different types of wired and wireless networks. The purpose of arranging the workshop was to provide some extra knowledge to the students which will enhance their ability to understand the concept of wired and wireless networking. Two external faculties, **Prof. Smita Pawar** and **Prof. Jyoti Kolap** were called to deliver the theory and practical session. Total **65** students and some faculties were participated in the workshop. For EXTC students the NS-2 Simulator is needed for conducting practical in the subjects like computer communication networks and wireless networks. It is also useful for the projects at under graduate and post graduate level.

2.4 Marathi Diwas celebration

'**Marathi Diwas**' was celebrated in the department on **27th February 2015**. It is celebrated on account of '**Birth Anniversary of Kusumagraj (Shri. V. V. Shirwadkar)**'. On Marathi Diwas, **Prof. Ameya Kadam** briefed the students about the career of '**Kusumagraj**' then after **Head of department, Dr. Amit Deshmukh** briefed the students about **Chatrapati Shivaji Maharaj history**. A student of SE, **Prathamesh Matodkar sang a Marathi Abhanga**.

2.5 Alumni Meet- 2015

The **alumni meet** was arranged on **17th January, 2015 at 11.00 am**. **Dr. Amit A Deshmukh, Professor and Head of the department**, welcome the gathering. He also briefed the gathering about current activities of the department. Around **60 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 with lunch. The feedback from alumni shows that they were very keen to offer some industry interaction for on-going students. Also they were very happy to visit the institute and interact with their own faculties.

2.6 Orientation program

Orientation program for the subject **Digital Communication** was conducted in the department on behalf of the **University of Mumbai**. It was coordinated by **Prof. T. D. Biradar** and **Prof. Mrinal Patwardhan**. **Prof. S. D. Deshmukh, RGIT, Mumbai** and **Prof. S. D. Patil, RGIT, Mumbai** conducted the orientation program. Faculties from different colleges under Mumbai University attended the orientation program.

2.7 Career counselling workshop

Informative sessions on career counselling were conducted by 'Endevour' for TE & SE students. Total six sessions were conducted throughout the semester. More than 100 students from SE and TE, attended the workshop.

2.8 German Language Orientation Program

The EXTC department organized a lecture on German Language and higher study opportunities across various Universities in Germany. The Lecture was conducted by **Ujwal Anil, Language Consultant**. Total 46 Students from SE and TE attended the lecture.

2.9 Technofocus Magazine

TechnoFocus is a bi-annual on-line magazine published by the college. The ISSN number of magazine is **2321-0532**. In volume 5 issue 1, which was uploaded in October 2014, listed 9 papers. In volume 5 issue 2, which will be uploaded shortly will have 7 papers.



3. ACHIEVEMENTS

3.1 Faculty Publications- International Conference/ Journal

Sr.No.	Name of Faculty	Publications
1	Dr. Amit Deshmukh	<ol style="list-style-type: none">1. 'Broadband CPW fed Hexagonal shape and Hexagonal Slot cut Microstrip Antenna', International Conference on Computing Communication Control and automation (ICCUBEA), 26 -27 Feb 15.2. 'Dual Polarized Stub Loaded Microstrip Reflectarray with Microstrip Antenna Feed', 2015 International Conference on Pervasive Computing (ICPC).3. "Broadband Sectoral Microstrip Antennas", Proceedings of APSYM – 2014, 17th - 19th December 2014, Kochi, India, pp. 191 – 194, ISBN – 978-93-80095-60-84. "Analysis of Shorted V-slot cut Dual and Wide band Triangular Microstrip Antenna", Proceedings of ICCICT - 2015, 15th - 17th Januray 2015, Mumbai, India (IEEE Digital Library, Print ISBN: 978-1-4799-5521-3, INSPEC Accession Number: 14933415, pp. 1 – 6, DOI - 10.1109/ICCICT.2015.7045703).5. "Broadband Proximity Fed Shorted Sectoral Microstrip Antennas", Proceedings of ICCICT - 2015, 15th - 17th Januray 2015, Mumbai, India (IEEE Digital Library, Print ISBN: 978-1-4799-5521-3, INSPEC Accession Number:



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		<p>14933467, pp. 1 – 6, DOI - 10.1109/ICCICT.2015.7045695)</p> <p>6. “Broadband Sectoral Microstrip Antennas”, IEEE Antennas and Wireless Propagation Letters, Vol. 14, pp. 727 – 730, 2015.(DOI - 10.1109/LAWP.2014.2385108)</p> <p>7. “Analysis of slot cut Triple Band Rectangular Microstrip Antennas”, Accepted for Publication ICCUBEA - 2015, 25th - 26th February 2015, PCCOE, Pune, India (IEEE Digital Library)</p> <p>8. “Multi-band slot cut E-shaped Sectoral Microstrip Antennas”, Accepted for Publication in ICAC3 – 2015, 1st & 2nd April 2014, Mumbai, India, (Elsevier Digital Library)</p>
2	Prof. T. D. Biradar	<p>1. ‘Mobile Function Generator Using Android’, International Conference on Advances in Computing, Communication and Control, 1-2, Elsevier, April 2015.</p>
3	Prof. Mrinal Patwardhan	<p>1. When does higher degree of interaction lead to higher learning in visualizations? Exploring the role of ‘Interactivity Enriching Features’. Computers & Education, 82, (pp. 292-305).</p>
4	Prof. Vishakha Kelkar	<p>1. ‘Image Encryption using Chaos Theory’, ICCIT-2015, International conference at SPIT, Mumbai.</p>
5	Prof. S. B. Deshmukh	<p>1. ‘Energy efficient routing using wireless sensor network’ ICONECT-15on 12th and</p>



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		<p>13th March 2015 organized by K.C. college of engineering.</p> <p>2. 'Raspberry pi for automation of water treatment plant' ICCUBEA 2015 on 26th and 27th Feb 2015 organized by Pimpri Chinchwad college of engineering, Pune.</p>
6	Prof. Poonam Kadam	<p>1. 'Pipelined Implementation of Dynamic Rijndael S-Box' The paper is published in IJCA Digital Library on February 18, 2015. e paper is published in IJCA Digital Library on February 18, 2015.</p>
7	Prof. Shivani Bhattacharjee	<p>1. "Wireless Remote Controlled POV Display" in IJCA (973-93-80883-39-0) in April, 2015 edition.</p>
8	Prof. Ameya Kadam	<p>1. 'Broadband CPW fed Hexagonal shape and Hexagonal Slot cut Microstrip Antenna', International Conference on Computing Communication Control and automation (ICCUBEA), 26 -27 Feb 15.</p> <p>2. 'Dual Polarized Stub Loaded Microstrip Reflectarray with Microstrip Antenna Feed', 2015 International Conference on Pervasive Computing (ICPC)</p>
9	Dr. Sunil Karamchandani	<p>1. 'A Simple Algorithm For Designing An Artificial Intelligence Based Tic Tac Toe Game', IEEE, ICPC 2015.</p> <p>2. 'Image Fusion in Variable Raster media for enhancement of Graphic Device Interface', The International Conference on Computing Communication Control</p>



		<p>and Automation, (ICCBEA), 26 – 27, February 2015</p> <p>3. ‘Mobile Function Generator Using Android’, International Conference on Advances in Computing, Communication and Control, 1-2, Elsevier, April 2015.</p>
10	Prof. Venkata A.P.C.	<p>1. ‘Artificial Neural Network Model for Suspended Equilateral Triangular Microstrip Antennas’, International Conference on Advances in Computing, Communication and Control, 1-2, Elsevier, April 2015.</p> <p>2. ‘Artificial Neural Network Model for Suspended Equilateral Triangular Microstrip Antennas’, ICCICT –16th and 17th Jan 2015 at SPIT, Mumbai.</p>
11	Prof. Neelam Phatak	<p>1. “Analysis of Shorted V-slot cut Dual and Wide band Triangular Microstrip Antenna”, Proceedings of ICCICT - 2015, 15th - 17th Januray 2015, Mumbai, India (IEEE Digital Library, Print ISBN: 978-1-4799-5521-3, INSPEC Accession Number: 14933415, pp. 1 – 6, DOI - 10.1109/ICCICT.2015.7045703)</p> <p>2. “Broadband Sectoral Microstrip Antennas”, Proceedings of APSYM – 2014, 17th - 19th December 2014, Kochi, India, pp. 191 – 194, ISBN – 978-93-80095-60-8.</p> <p>3. “Broadband Proximity Fed Shorted Sectoral Microstrip Antennas”, Proceedings of ICCICT - 2015, 15th - 17th</p>



		<p>Januray 2015, Mumbai, India (IEEE Digital Library, Print ISBN: 978-1-4799-5521-3, INSPEC Accession Number: 14933467, pp. 1 – 6, DOI - 10.1109/ICCICT.2015.7045695)</p> <p>4. “Broadband Sectoral Microstrip Antennas”, IEEE Antennas and Wireless Propagation Letters, Vol. 14, pp. 727 – 730, 2015. (DOI - 10.1109/LAWP.2014.2385108)</p>
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3.2 Seminar/ Workshop/ Guest Lectures

Sr. No.	Name	Seminar/ Workshop/ Guest Lectures/ DJ Spark details
1	Dr. Amit Deshmukh	<ol style="list-style-type: none">1. ‘Wireless Fingerprint Attendance Marking System’, in DJ Spark-15.2. ‘Accident Detection and Location using GSM and GPS’, in DJ Spark-15.3. Associate Editor, Technofocus.4. Session Chair in “International Conference on Advanced Computing Technologies And Applications” (ICATA-2015) 26th and 27th March 2015, Organized by D J Sanghvi College.
2	Prof. T. D. Biradar	<ol style="list-style-type: none">1. Organized an orientation programme for the subject “Digital Communication ” (ETC-601) on 7th Jan- 2015 on behalf of University of Mumbai.(Co-ordinator)2. Session Chair in “International Conference on Advanced Computing Technologies And Applications” (ICATA-2015) 26th and 27th March



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		<p>2015, Organized by D J Sanghvi College of Engineering.</p> <ol style="list-style-type: none">3. Member of result moderation committee-2015 at university of Mumbai.4. Published paper on "Gesture Controlled Robotic Arm" in Technofocus 2015.5. Published paper on "RFID and GSM based Intelligent Courier mailbox system" in Technofocus 20015.
3	Prof. Mrinal Patwardhan	<ol style="list-style-type: none">1. 'Capture and Reconstruction of Printed Text as Audio Feedback using Optical Character Recognition', in DJ Spark-15.
4	Prof. Vishakha Kelkar	<ol style="list-style-type: none">1. 'Computer Vision based Automated Robotic Arm', in DJ Spark-15.
8	Prof. Shivani Bhattacharjee	<ol style="list-style-type: none">1. "Industrial Automation and sensing using zibgee" in DJ Spark 2015 (ISBN: 978-93-82062-20-2).2. "Catching moving violations using serial Communication" in DJ Spark 2015 (ISBN: 978-93-82062-20-2).
10	Dr. Sunil Karamchandani	<ol style="list-style-type: none">1. Session Chair, Speech, Image and Video Signal Processing, IEEE, The International Conference on Computing Communication Control and Automation, (ICCBEA), 26 – 27, February 2015.2. Invited Appraiser for ME Projects, SFIT, Mumbai.3. Session Chair, Image and Video Processing, International Conference on Advanced Computing Technologies and



		Applications (ICACTA), 26 – 27, March 2015. 4. 'Tracking Object in a Video for Surveillance', in DJ Spark-15. 5. 'Speech Controlled Wireless Robot', in DJ Spark-15.
11	Prof. Mrunalini Ingle	1. 'Portable ECG Monitor based on Android', in DJ Spark-15.
12	Prof. Archana Chaudhari	1. Organized workshop on 'NS-2 Simulator' for third year EXTC students.
13	Prof. Yukti Bandi	1. Organized workshop on 'NS-2 Simulator' for third year EXTC students. 2. Attended one day Hands-on Training on "Computer Communication Network Practical" at Sardar Patel Institute of Technology, Andheri (west) on 7th february 2015 .

3.3 Students' Extra – Curricular Activities

Sr. No.	Name	Class	Achievements
1	Divyansh Srivastava, Niramay Sanghvi	BE-EXTC	successfully cleared the written test for Full-time Research Assistant position at the I.I.T. Bombay, Dept. of Electrical Engineering" at Digital Audio Processing Laboratory under Dr. Preeti Rao. They would be competing with each other for the position in the next interview round.



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2	Komal Ajmera	BE-EXTC	Best student award for the Academic year 2014-15 by TCS.
3	Kunjan Mehta	SE EXTC	Stood 2 nd in Girls' 100 meters running on D. J. Sanghvi sports day.
4	Maitreyi Chitale	SE EXTC	Stood 3 rd in Girls' 100 meters running on D. J. Sanghvi sports day.
5	Arjun Nair	SE EXTC	Stood 3 rd in Boys' 100 meters running on D. J. Sanghvi sports day.
6	Kunjan Mehta	SE EXTC	Stood 2 nd in Girls' 200 meters running on D. J. Sanghvi sports day.
7	Maitreyi Chitale	SE EXTC	Stood 3 rd in Girls' 200 meters running on D. J. Sanghvi sports day.
8	Soumya Mahuvakumar, Spenta Daruwala, Kunjan Mehta, Maitreyi Chitale	SE EXTC	Stood 1 st in Girls' 4×100m Relay on D. J. Sanghvi Sports day.
9	Mihir Kulkarni, Arjun Nair, Druv Sheth, Darsh Ajmera	SE EXTC FE EXTC	Stood 2 nd in Boys' 4×100m Relay on D. J. Sanghvi Sports day.
10	Shankhesh Mutta	TE EXTC	Stood 1 st in Boys' long jump on D. J. Sanghvi Sports day.
11	Shreya Kamdar	TE EXTC	Stood 1 st in Girls' Shot put on D. J. Sanghvi Sports day
12	Isha Apandkar	SE EXTC	Stood 3 rd in Girls' Shot put on D. J. Sanghvi Sports day.
13	Spenta Daruwala	SE EXTC	Stood 3 rd in Girls' Shot put on D. J. Sanghvi Sports day.
14	EXTC students	ALL	Tug of War winner on D. J. Sanghvi Sports day.



3.4 DJ Nature Trail Club

Under D J nature trail club, treks to various forts in Sahyadri ranges, is organized. This time on 4th January 2015, club organized one day trek to Fort Rajgad, which is situated near Pune. This fort is the first capital of the Swarajya established by Chatrapati Shivaji Maharaja. In all 35 students from SE and TE of EXTC department and other branches were present. Amongst the faculties, Prof. A. C. Daptardar (Vice – Prncipal, Admin, DJSCOE), Dr. Amit A. Deshmukh (Professor and Head, EXTC, DJSCOE), Prof. T. D. Biradar, Dr. Sunil Karamchandani and Prof. Neelam Phatak were present for the trek.



4. 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 **54**, consisting of **31 second year** and **23 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	Shreya Kamdar
Vice-Chairman	Manan Shah, Gautam Chedda
Secretary	Pankil Shah
Treasurer	Heta Ved

Head Of Departments :	
Marketing	Radhika Paralkar, Meghav Desai
Publicity	Naishil Shah, Shankesh Mutta, Shreya Nair, Mahika Arya
Technical	Shaan Shetty
Book Bank	Payal Patel, Shweta Vyas
Infotech	Chirag Hamirani
Creatives	Bhumi Mistry, Omkar Salunke
Events	Chirag Hamirani, Pooja Shah



4.1 Events

1) Internet of Things Workshop

Have you ever imagined walking into your house to find that the AC is already cooling the room for you and the microwave is set to heat your food all via a signal that your car location sent to the devices at home that are all connected to the internet? Well, this is future proof of how technology is going to be garnered.

Technologists believe that by 2020, 50 billion devices will be connected to the Internet. The IOT workshop was conducted by experts from **Eduvance** and attended by 40 students and three faculty members, **Dr. Amit Deshmukh, Prof. Anuja Odhekar and Prof. Poonam Kadam**. It was held in the 5th floor labs and one theory session in the Seminar Hall. It was an eight hour session comprising of both theory as well as practical sessions at the end of which IOT boards were built and programmed.

2) Industrial Visit to Dahanu Thermal Power Station (DTPS)

The IETE committee of D.J.Sanghvi College of Engineering organized an industrial visit to **DTPS dated 29th January, 2015** which was attended by **41 second year and 5 third year students of EXTC dept.** under the supervision of 3 faculty members, **Dr. Amit Deshmukh, Prof. Shivani Bhattacharjee and Prof. Neelam Phatak**.

The group visited Reliance Energy LTD's single largest power generating facility of 500MW (2x250MW) coal based thermal power station commissioned in 1995. After a 3 hour journey to Dahanu from Mumbai, the students were received by a staff member who escorted them inside. The visit began with a brief explanation aided with a helpful PowerPoint presentation and a model of the plant explaining the following:

- Coal and Ash handling systems
- Steam and Water circuits
- Air and Gas handling system
- Electric Switch Yard
- DM Plant



It continued with a visit to the 2 power generating units, the Electrostatic Precipitator (ESP) to collect the fly ash and a 275.34m stack (highest in India and second highest in Asia) to ensure better dispersion of particulate matter. The students also visited the coal unloading facility where coal from Korba (Indian washed coal) and coal imported from Indonesia were mixed in a 3:1 ratio to fuel the plant. The facility had wagons filled with coal getting clasped and rotated 170 degrees to unload the coal in 2 minutes. Post lunch, the students were shown a 50 minute long presentation organized by the company, rebriefing them about the processes at the plant after which they left to return back to Mumbai. This industrial visit has helped the students get an overview of the real practical aspects of a coal based water plant.

4.2 Value Added Program

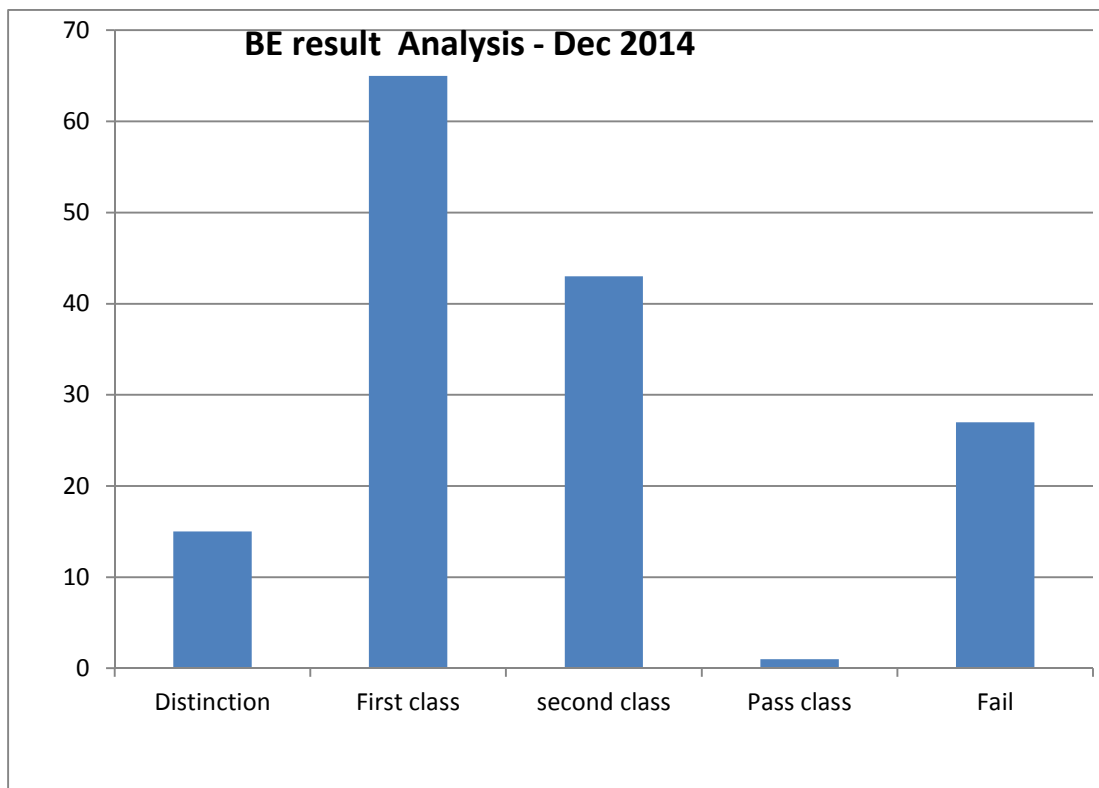
Book Bank

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.



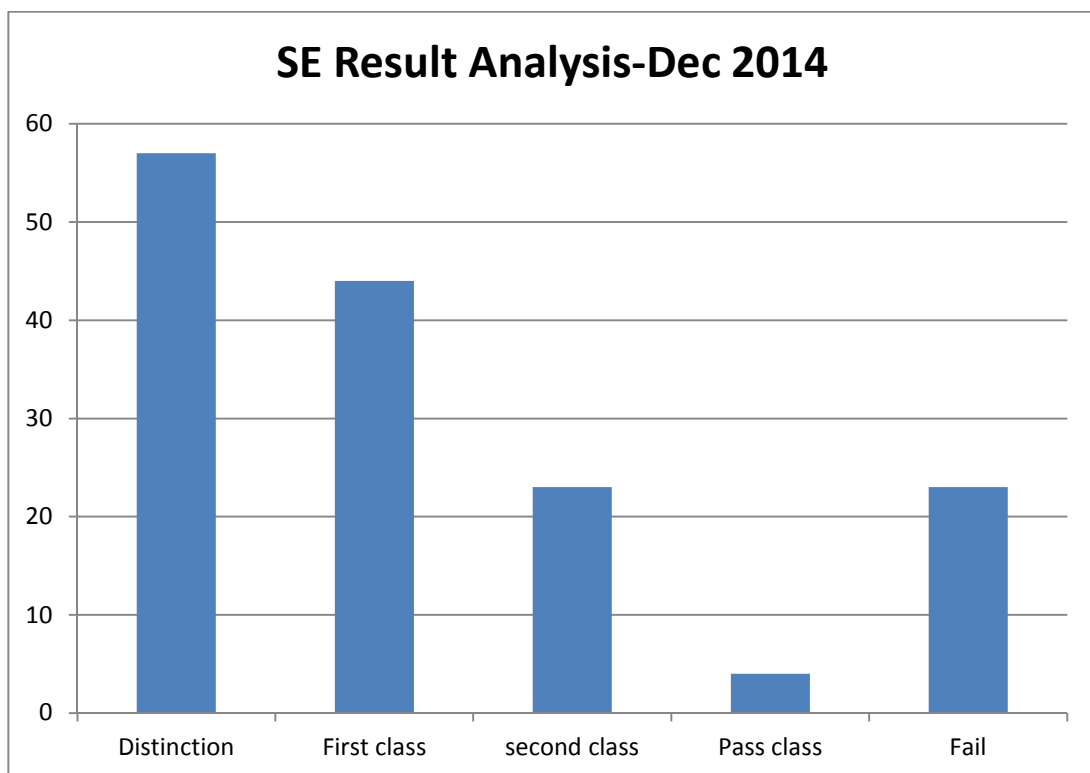
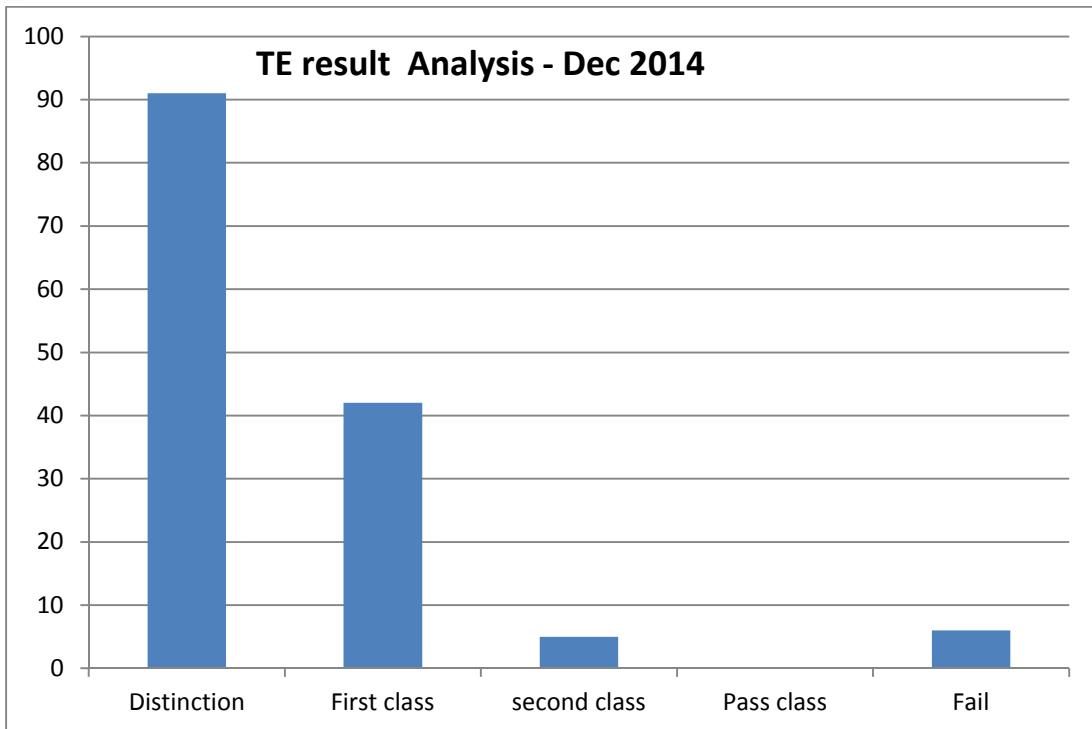
5. Result Analysis

Class	Total	Distinction	First Class	Second Class	Pass Class	Failed	Pass	% Result
SE	151	57	44	23	4	23	128	84.77
TE	144	91	42	5	0	6	138	95.8
BE	151	15	65	43	1	27	124	82



Toppers BE:

SAP ID	NAME	PERCENTAGE	RANK
69301420	Siganporia Poras H.	75.25	First
69301477	Mehata Khushbu A.	73.25	Second



6. Photo Gallery

DJ Spark- 2015



DJ Spark Inauguration by Dr. Hari Vasudevan (Principal DJSCOE) with Prof. A. C. Daptardar (Vice- Principal, Admin), Dr. A. R. Joshi (Vice- Principal, Academics), Dr. Amit Deshmukh (Professor and Head, EXTC) and judges, Mr. Dipan Mehta (Vubites India Pvt. Ltd.) and Mr. Pramod Chine (Scientist 'E', ARDE, DRDO, Pashan, Pune, India).



Opening moments of DJ Spark by Dr. Hari Vasudevan (Principal DJSCOE) with Prof. A. C. Daptardar (Vice- Principal, Admin), Dr. A. R. Joshi (Vice- Principal, Academics), Dr. Amit Deshmukh (Professor and Head, EXTC) and judges, Mr. Dipan Mehta (Vubites India Pvt. Ltd.) and Mr. Pramod Chine (Scientist 'E', ARDE, DRDO, Pashan, Pune, India)



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Release of DJ Spark Proceedings by Dr. Hari Vasudevan (Principal DJSCOE) with Prof. A. C. Daptardar (Vice- Principal, Admin), Dr. A. R. Joshi (Vice- Principal, Academics), Dr. Amit Deshmukh (Professor and Head, EXTC) and Industry judges, Mr. Dipan Mehta (Vubites India Pvt. Ltd.) and Mr. Pramod Chine (Scientist 'E', ARDE, DRDO, Pashan, Pune, India).



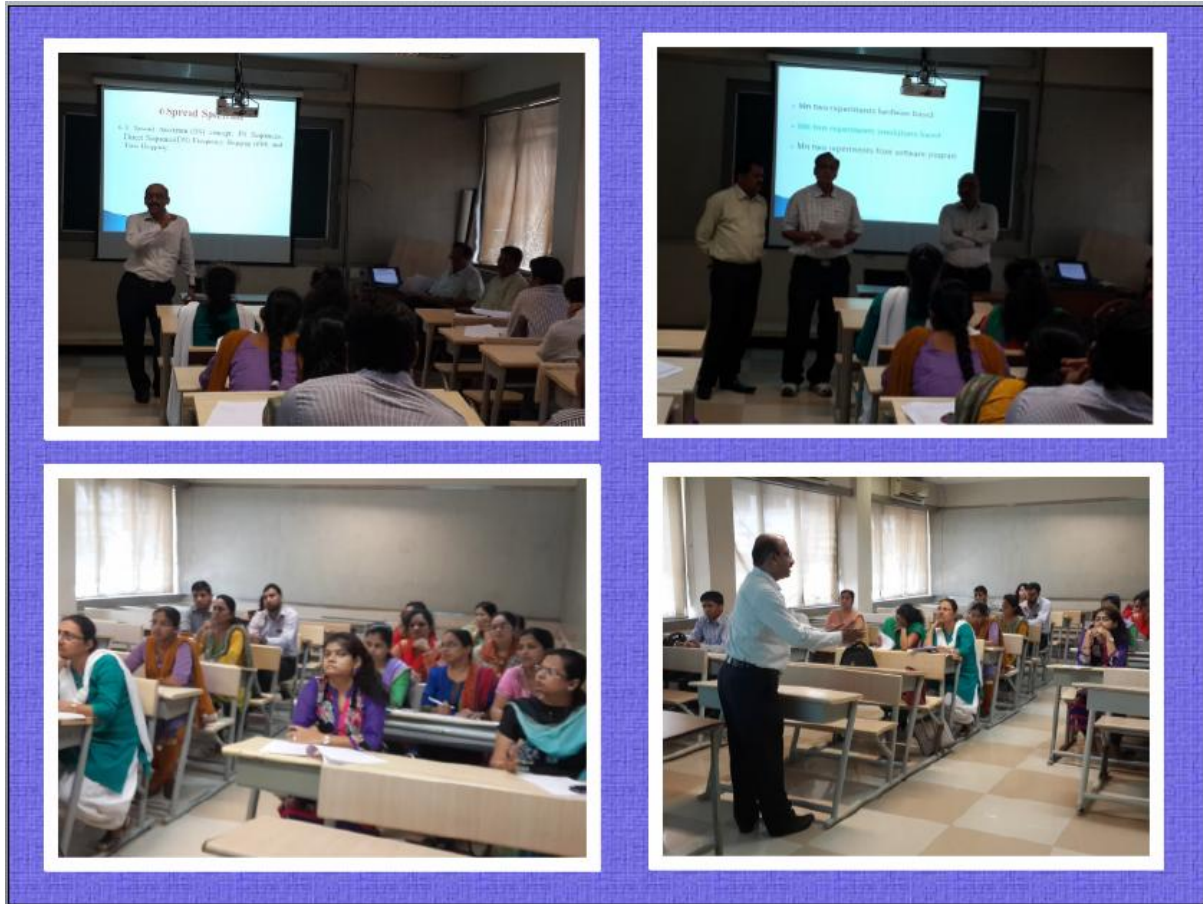
Prize distribution by Dr. Hari Vasudevan (Principal DJSCOE) with Prof. A. C. Daptardar (Vice- Principal, Admin), Dr. A. R. Joshi (Vice- Principal, Academics), Dr. Amit Deshmukh (Professor and Head, EXTC) and judges, Mr. Dipan Mehta (Vubites India Pvt. Ltd.) and Mr. Pramod Chine (Scientist 'E', ARDE, DRDO, Pashan, Pune, India)

Industrial visit to Dahanu Thermal Power Station (DTPS)



TE and SE students who visited to DTPS, Dahanu along with Dr. Amit Deshmukh (Professor and Head, EXTC), Prof. Shivani Bhattacharjee and Prof. Neelam Phatak.

Digital Communication orientation program



Digital Communication orientation program conducted by Prof. S. D. Deshmukh, Prof. S.D. Patil and coordinated by Prof. T. D. Biradar and Prof Mrinal Patwardhan.



Alumni Meet



Alumni Meet 2015 coordinated by Dr. Amit Deshmukh (Professor and Head, EXTC), Prof. Anuja Odhekar and Prof. Mrunalini Ingle.



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Alumni Meet 2015 coordinated by Dr. Amit Deshmukh (Professor and Head, EXTC), Prof. Anuja Odhekar and Prof. Mrunalini Ingle.