



SSBT'S COLLEGE OF ENGINEERING AND TECHNOLOGY, BAMBHORI JALGAON



Department of Electronics & Telecommunication Engineering

Volume VI, Issue I

Department Newsletter : Jan – June 2015

India Headlines

Department Mission

To develop Electronics & Telecommunication Engineers with patriotism and excellence to meet out the irresistible standards par locally and globally.

Department Vision

The light of progressive knowledge and the brilliance of Electronics & Telecommunication Engineering is chasing the path towards Excellence for achieving an irreplaceable height in the global fraternity.

Features

- 1) Experienced & Qualified faculties
- 2) NBA Accredited in 2008
- 3) 12 Labs equipped with all state of art equipments
- 4) 2 PG & 1 UG Computer lab with latest configuration PCs
- 5) MATLAB, Xilinx, CC Studio etc. Software
- 6) NPTEL lectures
- 7) IEEE Student Branch
- 8) IETE Student Forum

January

1 January – NITI Aayog was established to replace Planning Commission of India.

8 - 9 January – Annual Pravasi Bharatiya Divas conference took place in Gandhinagar, Gujarat.

31 January – The Agni-V was test launched from a canister in Wheeler Island, suitable for road or rail mobile launch vehicles.

March

3 March – National Electoral Roll Purification and Authentication Programme launched by the Election Commission of India.

18 March – Beyond visual range (BVR) air-to-air missile, Astra, was successfully test fired from a Su-30MKI in test range in Chandipur, Orissa.

23 March – Amaravathi was announced to be name of the new capital of Andhra Pradesh, to be built near Thullur

26 March – National Institute of Ocean Technology (NIOT) unveiled Polar Remotely Operated Vehicle (PROVe), which would be used to study the monsoon.

27 March – Bharat Ratna was awarded to former Prime Minister Atal Bihari Vajpayee.

28 March – ISRO placed Indian Regional Navigation Satellite System (IRNSS) 1-D satellite in orbit by a PSLV C-27 launch vehicle.

30 March – Bharat Ratna awarded to freedom fighter Madan Mohan Malaviya posthumously.



February

18 - 22 February The 10th edition of Aero India took place at Yelahanka Air Force Station near Bangalore.

April

1 April-Faster Adoption and Manufacturing of Hybrid and Electric vehicles in India (FAME India) scheme was launched by the government to boost electric and hybrid vehicle sales.

5 April – Petroleum and Natural Gas Minister, Dharmendra Pradhan, launched the "Give it Up" campaign urging rich people to give up LPG subsidy.

8 April – The Padma awards were given at the Rashtrapati Bhawan. Among the 50 recipients were actor Amitabh Bachchan, actor Dilip Kumar, nuclear scientist M.R. Srinivasan, mathematician Manjul Bhargava, computer scientist Vijay P. Bhatkar, Hindu spiritual guru Swami Satyamitranand and Aga Khan. The Micro Units Development and Refinance Agency Bank (MUDRA Bank) was launched by Prime Minister Narendra Modi. The financial institution aims to provide financing to small entrepreneurs.

25 April – April 2015 Nepal earthquake, a 7.9 Richter scale earthquake occurred in Nepal. Parts of north India were affected.

May

5 May – The Akash missile was inducted into the Indian Army.

6 May – India and Iran signed an agreement which would allow India to develop the Port of Chabahar. The deal was signed during Transport Minister Nitin Gadkari's Iran visit.

7 May – The Parliament passed the Constitution (119th Amendment) Bill, 2013. It would allow India to solve its territorial disputes with Bangladesh.

9 May – Prime Minister Narendra Modi launched 3 large-scale social security schemes, Pradhan Mantri Suraksha Bima Yojana, Pradhan Mantri Jeevan Jyoti Bima Yojana, and Atal Pension Yojana, at Nazrul Mancha in Kolkata.

June

21 June – The first International Yoga Day was held.

29 June – India signed the legal framework of the Asian Infrastructure Investment Bank and pledged US\$8.3 billion towards it.

PSLV-C27 Successfully Launches India's Fourth Navigation Satellite IRNSS-1D

ISRO's Polar Satellite Launch Vehicle, PSLV-C27, successfully launched the 1425 kg IRNSS-1D, the fourth satellite in the Indian Regional Navigation Satellite System (IRNSS) today evening (March 28, 2015) from Satish Dhawan Space Centre SHAR, Sriharikota. This is the twenty eighth consecutively successful mission of the PSLV. The 'XL' configuration of PSLV was used for this mission. Previously, the same configuration of the vehicle was successfully used seven times.

After the PSLV-C27 lift-off at 1719 hrs IST from the Second Launch Pad with the ignition of the first stage, the subsequent important flight events, namely, strap-on ignitions and separations, first stage separation, second stage ignition, heat-shield separation, second stage separation, third stage ignition and separation, fourth stage ignition and satellite injection, took place as planned. After a flight of about 19 minutes 25 seconds, IRNSS-1D Satellite was injected to an elliptical orbit of 282.52 km X 20,644 km (very close to the intended orbit) and successfully separated from the PSLV fourth stage. After injection, the solar panels of IRNSS-1D were deployed automatically. ISRO's Master Control Facility (at Hassan, Karnataka) took over the control of the satellite. In the coming days, four orbit manoeuvres will be conducted from Master Control Facility to position the satellite in the Geosynchronous Orbit at 111.75 deg East longitude with 30.5 deg inclination.

IRNSS-1D is the fourth of the seven satellites constituting the space segment of the Indian Regional Navigation Satellite System. IRNSS-1A, 1B and 1C, the first three satellites of the constellation, were successfully launched by PSLV on July 02, 2013, April 04, 2014 and October 16, 2014 respectively. All the three satellites are functioning satisfactorily from their designated orbital positions.

IRNSS is an independent regional navigation satellite system designed to provide position information in the Indian region and 1500 km around the Indian mainland. IRNSS would provide two types of services, namely, Standard Positioning Services (SPS) - provided to all users - and Restricted Services (RS), provided to authorised users. A number of ground stations responsible for the generation and transmission of navigation parameters, satellite control, satellite ranging and monitoring, etc., have been established in many locations across the country. In the coming months, the next satellite of this constellation, namely, IRNSS-1E, is scheduled to be launched by PSLV. The entire IRNSS constellation of seven satellites is planned to be completed by 2016.



Editorial



The Standing Alone Tree

Two men were walking along one summer day. Soon it became too hot to go any further and, seeing a large plane tree nearby, they threw themselves on the ground to rest in its shade. Gazing up into the branches one man said to the other,

"What a useless tree this is. It does not have fruit or nuts that we can eat and we cannot even use its wood for anything."

"Don't be so ungrateful," rustled the tree in reply. "I am being extremely useful to you at this very moment, shielding you from the hot sun. And you call me a good-for-nothing!"

Moral: The importance of a person lies in the realization which comes out from the experience. As it's not possible always that the things which glitter will be gold every time. A person is valued because of the talent he or she possesses and it's not necessary that all have equal talents but it's equally important that everyone has something to give.

Departmental Events

Guest lecture on Research article writing

A guest lecture on research article writing was held on 31st January 2015 at 12:00 P.M in the seminar Hall of E & TC Department.

Mr.Bhushan Chaudhari, a faculty member of Life Sciences Department of NMU had delivered the 3 hours long lecture in which he had mainly focused on the needs and necessities of a good research article and he laid the importance of the facts which we should know to facilitate the writing process to give maximum outputs.

30 students of second and third year have participated in the event. Mr.N.M.Kazi was the coordinator of the event which was patronised by Dr.U.S.Bhadade, Head, E & TC. The event was scheduled under ETESA.

Technical course on Wireless networking

Two days technical course on Wireless networking held on 02nd & 03rd April 2015 at 12:00 P.M in the seminar Hall of E & TC Department. Mr.Nitin Samuel Makasare, Director, Arpeet Microcomputers had delivered the two days long technical course in which he had mainly focused on the needs and necessities wireless networking in the field of communication technologies.

Mr.Makasare had explained the basics of wireless networking and he has practically demonstrated the facts such as LAN connectivity, TCP/IP suite, routers, Ethernet, switches etc.

The students found the course very useful in grasping the hand on concepts of networking in more vivid and conceptual way.

50 students of second and third year have participated in the event. Mr.Kunal Pandey was the coordinator of the event which was patronized by Dr.U.S.Bhadade, Head, E & TC. The event was scheduled under IEEE Student branch activity.

Industrial Visits

BSNL Office Jalgaon

75 students of BE A & 74 students of BE B had visited BSNL Office Jalgaon respectively on 28th March 2015 & 04th April 2016 February 2014. Mr.Rahul Deshmukh was the trip coordinator.

During the visit, they have been demonstrated with various switching systems and different types of exchanges which function for different area in the Jalgaon district. In addition to this, they had been demonstrated with the Fibre Optic cable network and its use and efficiency in data transmission in a less and stipulated amount of time with low interference to noise and above all better performance. The students found it quite useful for their academic needs.

Blood donation camp

The blood donation camp was held on 10th April 2015 in the Gymnasium and Sports complex of SSBT'S COET Bambhori Jalgaon. It was organized by ETESA. Mr.N.M.Kazi was the coordinator of the event and it had been patronized by Dr.S.R.Suralkar, Director of Administration, COET. More than 200 bottles were collected and were offered to the Indian Red Cross Society.

Maintaining it's glorious customary to held the prestige of helping the mankind, ETESA had been consistently organizing such activities each year in which faculty members, non teaching staffs and students go for the blood donation with their willingness and passion.

Felicitation



Dr.S.R.Suralkar, Director of Administration, COET, Bambhori had completed his Doctor of Philosophy (PhD) on 07th January 2015 in North Maharashtra University, Jalgaon. The title of his thesis was Automatic Fingerprint Identification System (AFIS) under the supervision of Prof (Dr) Pradeep M. Patil.

The Head, faculty members & non teaching staffs have conveyed their heartiest greetings for such a great achievement.

IEEE SB 15481

Our department has a recognized IEEE Student branch STB15481 running under IEEE Bombay section since previous year whose Chairman is Dr.U.S.Bhadade. For the academic year 2015, the student branch was renewed with the fresh membership of 3 panels of faculty members comprising Dr.U.S.Bhadade, Dr.S.R.Suralkar & Dr.M.P.Desmukh and a group of 12 students from third & second year. Mr.Aziz Bharmal, T.E, E & TC was selected as the student chair.Rs.19,440/- via DD 993798 for 12 students was paid to MCI Management India Pvt Ltd, a franchisee of IEEE Bombay Section for the continuation of full year membership valid up to 31st December 2015. Mr.Kunal Pandey is working as IEEE SB coordinator.

IETE SF Membership

77 students of second year were enrolled for IETE Student forum membership for 3 years on dated 04th January 2015 after depositing fee amount of Rs.36575 with a demand draft 993762. IETE Student forum is a professional body which works for enhancing the technical capabilities of the stakeholders in the field of education providing value added seminars, guest lectures and faculty interaction program Nation wide.

Students Activities

Students awarded in various events

Sr. No	Event Name	Name of organization	Level of Event	Date of Event	Name of student Participated	Achievement
2014-15						
SEM-II (January -2015 to May-2015)						
1	TECHZEALOT 15	Hindi Seva Mandal's Shri Sant Gadgebaba College of Engineering & Technology Bhusawal 425203 (M.S)	National	26-27 January 2015	1.Sanket Kulkarni (Group Discussion)Event	2 nd Position
2	MILESTONE 2K15	SSBT's College of Engineering and Technology, Bambhori, Jalgaon.	National	6 th February15	5.Sanskriti Borase (Paper presentation)	2 nd Rank
3	Tehno-Era 2015 National level Event	Shri Gulabrao Deokar College of Engineering Jalgaon CESA in association with ISTE Student Chapter	National	13 March 2015	1.Prachi Sawant (Project Exhibition) 2.Sonali Krupal (Project Exhibition) 3.Shubhagi Girase (Project Exhibition) 4.Namrata Mahajan (Project Exhibition)	2 nd Prize 2 nd Prize 2 nd Prize 2 nd Prize
4	CONVERGENCE 2015	Pankaj Laddhad Institute of Technology and Management Buldana (M.S)	National	28 March 2015	1.Pooja Kharche (Project Competition) 2.Punam Jadhav (Project Competition) 3.Anita Patil (Project Competition)	2 nd Position 2 nd Position 2 nd Position
5	SSBT FEST 2015 National Level Technical and Co-technical Event	SSBT's College of Engineering and Technology, Bambhori, Jalgaon.	National	1 st April 2015	1. Vaidya Pratik (Electro Buzz) 2. Mayur Chaudhari (Electro Buzz)	2 nd Position 2 nd Position
6	Shodh prakalpa Pratiyogita-2015 University Level Project Exhibition	SSBT's College of Engineering and Technology, Bambhori, Jalgaon.	University	11 April 2015	*Total 150 Students of BE (E&Tc) Participated.	

GATE 2015

The meritorious students of our department have made us really proud by qualifying GATE exam and thus have added numbers in recognition of the achievement list of E & TC department each year. This year too, Miss. Renuka Nimbalkar has qualified the prestigious GATE 2015 exam and added glory to her career. On behalf of Head & Faculty members, we congratulate her on success and convey her best wishes for similar ventures in their future prospective.

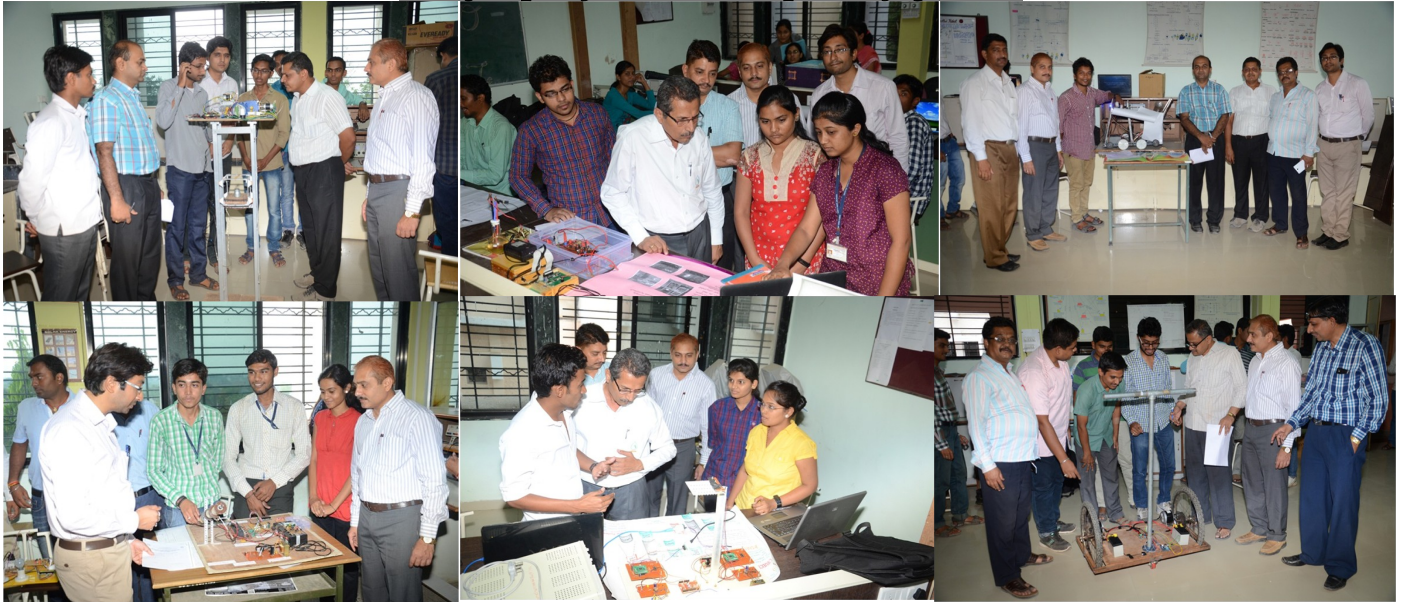
Shodh Prakalpa Pratiyogita 2015

An Intercollegiate Level Project Exhibition was held on 11th April 2015 in E & TC Department in which 46 Students group from Final Year E & TC had been participated. The judges for the event were Mr.P.D.Patil, Shivam Electronics Jalgaon & Mr.Sanjeev Phadnis, Jain Irrigation, Jalgaon. The internal panel of the Judges was constituted by the Head, E & TC Department Prof. Dr. U.S.Bhadade, Dr.P.V.Thakre & Dr.P.H.Zope.

The students were analyzed on the basis of their conceptual knowledge, presentable views and innovative ideas for the project. The First prize was awarded to the Project titled "Electromagnetic Space Shuttle launching System" which is guided by Mr.S.U.Nyati. The student group is comprised of Mr.Dinesh Pardeshi, Ms.Ashwini Kumavat, Ms.Rita Chaudhari & Mr.Hitesh Mandewal. The Second prize was awarded to the Project titled "Design and simulation of Micro strip antenna" which is guided by Prof.Dr.U.S.Bhadade. The student group is comprised of Mr.Taral Bhole, Ms.Chaitali Deshmukh, Ms.Swati Mukherjee & Mr.Uday Rathore. The Judges have also identified a project group for the consolation prize which was an IEDC sponsored project worth Rs.1 Lakh with the title "Smart Human Transporter" guided by Mr.A.C.Wani. The students of the project group are Mr.Ajay Sonawane, Mr.Nandan Chaudhari, Mr.Parag Agrawal & Mr.Akash Thakur.

Students Activities

Glimpse of Shodh Prakalp Pratyogita



In sequence from left to right

1. (Dr.P.H.Zope(left), Mr.P.D.Patil(center), Mr.A.C.Wani (right)) 2. (Mr.Sanjeev Phadnis(left), Dr.P.V.Thakre, Mr.A.C.Wani & Mr.Kunal Pandey)
3. (Mr.S.A.Hingonekar(left), Mr.A.C.Wani, Dr.P.H.Zope, Mr.Sanjeev Phadnis, Dr.M.P.Deshmukh & Mr.Kunal Pandey with an excellent project K-robot)4. (Mr.Kunal Pandey & Mr.A.C.Wani with the group awarded 1st Prize) 5. "Electromagnetic Space Shuttle launching System" which is guided by Mr.S.U.Nyati 6. (Dr.M.P.Deshmukh, Dr.U.S.Bhadade, Mr.A.C.Wani & Mr.N.M.Kazi with IEDC sponsored project "Smart Human Transporter")

The news of IEDC sponsored project "Smart Human Transporter" in Divya Marathi daily

Campus Selection

Adding volumes to the total number of campus placed students, 38 students have been placed in various campus interviews in the academic year 2014-15 so far. 13 students have been placed in L & T in the campus drive of September 2014.

This year too, our students performed well and were placed in various companies the details of which is given as under



Yippee Technoogy

1. Mr.Bhushan Chahuhan
2. Miss.Gauravi somani

Syntel

1. Miss.Ahilya Patil
2. Mr.Taral Bhole

GenPact, New Delhi

1. Miss. Rupam Jha

FACE, Coimbatore

1. Miss. Suman Vakare
2. Miss.Chaitali Deshmukh
3. Mr.Shubham Patel
4. Miss. Mugdha Bhalerao
5. Miss.Rupam Jha
6. Mr.Harshal Pawar

Ncord, Pune

1. Mr.Mrityunjay Bharat
2. Mr.Saurav Mishra
3. Miss.Shubhangi Girase

UG Section

PG Section

*Result at Glance**Submission of Dissertation**Final Year*

Swati Mukherjee 1st (75.13 %) BE B	Savita Chaudhari 2nd (73.33 %) BE A	Renuka Deshpande 3rd (73.00 %) BE A
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Following students have submitted their dissertation for PG on 28th January 2015. Beneath is the details of their thesis along with their respective project title and guides.

Third Year

Aishwarya Patil 1st 9.09 CGPA TE B	Borse Sanskruti 2nd 8.65 CGPA TE B	Patil Anjali 2nd 8.65 CGPA TE B
Aziz Bharmal 3rd 8.43 CGPA TE A	Vishwas Phatke 3rd 8.43 CGPA TE B	

1. Rahul Nandkishor Deshmukh
(Automization Of Canal Control System)
Dr. M.P. Deshmukh

2. Dheeraj Rajendra Pongallu
(Automatic Multivariate Liquid Filling System And Conveyor Control Using PLC And SCADA)
Dr. S.R. Suralkar

3. Bhagyashree Duryodhan Hatwar
(Wireless Oscilloscope Powered By Android)
Prof. A.C. Wani

4. Yogesh Shankarlal Santwani
(Design And Simulation Of Patch Antenna)
Dr. S.R. Suralkar

Second Year

Gayatri Badgujar 1st 9.48 CGPA SE B	Nikita Mahajan 2nd 9.22 CGPA SE B	Agiwal Akanksha 2nd 9.22 CGPA SE B
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5. Jadhav Vandana Lotan
(Modeling And Analysis Of Pf And Thd For Power Electronic Converter)
Prof. V. M. Deshmukh

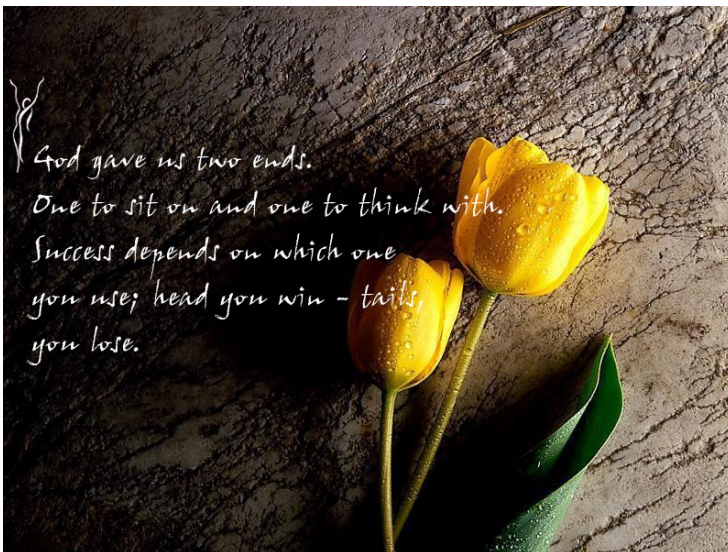
6. Shukla Tejashree Ratnakar
(FPGA Based Digital PWM Converter For Inverter)
Dr. P. J. Shah

Jeevanesh Jyotikumar Chavathe
(Implementation Of Speech Operated System Using TMS320c6713 Digital Signal Processor)
Prof. P.V. Thakre

Harshal Kamlaskar Nandikishor
(Andriod Based Irrigation System)
Dr. P. H. Zope

Badgujar Rahul Kishor
(Filling -In Of Missing Images Blocks In Wireless Transmission)
Dr. M.P. Deshmukh

Heartiest congratulations to them on behalf of Head, faculty members and best wishes for their career.



Faculty participation in Seminar & Workshops

1.	Mr. SP Ramteke	Workshop		Advanced in Computing	1-3 March 2015	Dept of Computer Science, NMU Jalgaon	Dept of Computer Science, NMU Jalgaon
2	Dr. P J Shah		STT P	Implementati on of Power Electronics System	29 Dec 2014-2 Jan 2015	SVNIT Surat	SVNIT Surat
3	Prof. D U Adokar	Workshop		Introduction to Design of Computer Algorithm	27 Apr.- 30 May201 5	IIT Kharagpur	SSBT COET Bambhori
4	Mrs. D R Patil	Workshop		Introduction to Design of Computer Algorithm	27 Apr.- 30 May201 5	IIT Kharagpur	SSBT COET Bambhori
5	Mr. A R Bari	Workshop		Introduction to Design of Computer Algorithm	27 Apr.- 30 May201 5	IIT Kharagpur	SSBT COET Bambhori
6	Mr. N M Kazi	Workshop		Introduction to Design of Computer Algorithm	27 Apr.- 30 May201 5	IIT Kharagpur	SSBT COET Bambhori

Faculty publications in National/International Journals/International Conferences

Mr.Yogesh S Santwani , Dr.S.R.Suralkar has published a paper in IEEEExplore with the title "Compact hexagonal shaped patch antenna for UWB applications using CPW feed. Mr. Yogesh Santwani has participated in ICPC held in the month of January 2015 at Singhad College of Engineering, Pune.

Farewell to Dr.U.S.Bhadade

In a major change happening so far, Dr.U.S.Bhadade, Professor & Head, E & TC has been appointed as the Head of IT Engineering Department by the Management of the college. Dr.U.S.Bhadade has served as Head of the department since 27th July 2013. Dr.U.S.Bhadade has added many credits to the stock of the E & TC Department which consists of NBA accreditation, the organization of various guest lectures and workshops for the students & the formation of Prestigious IEEE Student Branch in the department. He has widely supported the faculty members and inspired them for taking part in various FDPs, conferences and motivated them to indulge themselves in Research.

His numerous ideas and dynamic ability will insist our students to march ahead in their life. The department bids adieu to Dr.U.S.Bhadade and conveys gratitude for whole his love and support.

Dr.S.R.Suralkar, became Head of E & TC

Dr.S.R.Suralkar is also working as the Director of Administration, COET, Bambhori held the chair of Head, E & TC on 04th June 2015. Dr. S.R. Suralkar took the charge of Director of Administration (DOA) , SSBT's COET Bambhori on 24th August 2013. Previously he was the Head of the Department of Electronics & Telecommunication Engineering. He had also served as a member of Local Management Committee of the college which comprises of Reputed Dignitaries related to College and Administration having the power of taking some important decisions.

Widely popular among students & teaching as well as non teaching staffs, Dr.S.R.Suralkar is having vast experience and expertise in the field of academics and administration. His leadership has helped E & TC to gain NBA accreditation multiple times. Sir has also organized many workshops, seminars, conferences time to time for the wellbeing of students and teaching faculty members. The department welcomes Dr.S.R.Suralkar once again.



Smt. Pratibhatai Patil
Former
President of India
&
Dr. D. R. Shekhawat



Shri. Raosaheb Shekhawat
Managing Trustee



Dr. K. S. Wani
Principal
SSBT's COET



Dr. S. R. Suralkar
DoAd, Head (E & TC)



Dr. S. P. Shekhawat
Director of
Academics



Dr. U. S. Bhadade
Head, IT

Designer & Editor

Mr. Kunal Kishore Pandey, Assistant Professor, E&TC