



### Our Inspiration



**Smt. Pratibhatai Patil**  
Former  
President of India  
&  
**Dr. D. R. Shekhawat**  
Chairman, GB

### MISSION

To provide conducive environment for preparing competent, value added and patriotic engineers of integrity of par excellence to meet global standards for societal development.

### VISION

Today we carry the flame of quality education, knowledge and progressive technology for global societal development; tomorrow the flame will glow even brighter.



**Shri. Raosaheb Shekhawat**  
Managing Trustee

## SSBT's College of Engineering and Technology, Bambhori Jalgaon



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Newsletter :

July – December 2013

### “ISRO launches Mangalyaan”

The Mars Orbiter Mission (MOM), informally called *Mangalyaan* is a Mars orbiter launched into Earth orbit on 5 November 2013 by the Indian Space Research Organisation (ISRO). The mission is a "technology demonstrator" project aiming to develop the technologies required for design, planning, management and operations of an interplanetary mission.

The Mars Orbiter Mission probe lifted-off from the First Launch Pad at Sriharikota, Andhra Pradesh near Chennai, using a Polar Satellite Launch Vehicle (PSLV) rocket C25 at 09:08 UTC (2:38 PM IST) on 5 November 2013. The launch window was approximately 20 days long and started on 28 October 2013. The MOM probe spent about a month in Earth orbit, where it made a series of seven altitude-raising orbital manoeuvres before trans-Mars injection on 30 November 2013 (UTC).

It is India's first interplanetary mission and, if successful, ISRO would become the fourth space agency to reach Mars, after the Soviet space program, NASA, and European Space Agency.

The spacecraft is being currently monitored from the Spacecraft Control Centre at ISRO Telemetry, Tracking and Command Network (ISTRAC) in Bangalore with support from Indian Deep Space Network (IDSN) antennae at Byalalu.



PSLV-C25 carrying the Mars Orbiter Mission spacecraft was launched from Sriharikota on 05 November 2013

### Salient Features of Electronics & Telecommunication Department

- 1) Experienced & Qualified faculties
- 2) NBA Accredited in 2008 for 05 years
- 3) 12 Labs equipped with all state of art equipments
- 4) 2 PG & 1 UG Computer lab with latest configuration PCs
- 5) MATLAB, ORCAD, ULTIBOARD, Xilinx Software

**Vision of the Department :** 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.

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

## Departmental Events



**Bit-D-Byte Technical Event**

### Remedial Classes for Second Year Students

The remedial classes for SE students were conducted by Prof.M.P.Deshmukh for the subject ECM on 11/10/13 & 12/10/13 (Total 06 hours). 20 students were enrolled for the classes.

### GATE Coaching for B.E. Students

The gate coaching classes were conducted by departmental faculties for final year students from 01/09/13 to 10/10/13, for one hour daily scheduled on working days. Nearly 50 students attended for the coaching.

### Industrial Visit at Jain Irrigation Jalgaon

An Industrial Visit of SE (E & TC) A Section was organized on 02<sup>nd</sup> October 2013 at Jain Irrigation Pvt. Ltd Bambhori (Paldhi) Jalgaon at 10:00 A.M. This visit was accompanied by Prof.N.M.Kazi, Industrial Visit coordinator, Prof.A.H.Karode, Class Teacher of second Year A Section, Prof.M.T.Deshmukh. The students of SE E&TC were introduced by PRO of Jain irrigation Mr.Dinesh Desai. Then, the students of SE (E & TC) visited various sections and collected the information about various Departments like Microdrip irrigation, Sprinklers, High density PVC Pipe, Micro irrigation systems etc. The visit ended at 05:00 P.M.

In E&TC department Bit-D-Byte event was organized by ETESA for SE, TE, BE students on 21/09/13 at 01:00 P.M. to 05:45 P.M. SE, TE, BE students participated in this Event. The round 1 was organized in E & TC seminar hall, round 2 was organized in E & TC Computer lab & the third round was scheduled in NAS lab. In the event, the students got helpful confidence about how to face a competitive atmosphere and find technical faults.

In this event, three major rounds held which were 1)Quiz Competition 2)C Sort-out 3)Circuit Jung

In 1st round of Quiz competition, 40 groups were participated. Each group has 2 participants. So they have to solve quiz in team. They have been given 40 min to answer all 20 Questions based on technical, non technical and general knowledge. After the completion of 1<sup>st</sup> round, the top 15 groups for next C Sort-out were declared.

In 2<sup>nd</sup> round of C Sort-out, each group worked on C programs to find the errors present in that. Those who will be the fastest error finder group, will be the winner of that round. In this round, 5 groups for next round of Circuit Jung were decided.

3<sup>rd</sup> round of circuit jung was the final round. 5 groups reached in this round who have to find the errors in minimum time. Then in the final round, each group has to perform on the circuit which was given to them. They have to implement it on bread board and perform it. After the final round, the winner of the event was declared who were Mayur Sutare, Pradeep Salunkhe, Vikas Chauhan & Sagar Zope. The ETESA Co-ordinator were Prof Amol C. Wani, Prof H. N Kamlaskar, Prof Priyaka Shanbagh, Prof Akshada Sapkal. The Student Co-ordinator were Paresh Kiran Patil, Kalpesh Dandgawal, Pankaj R. Pawar, Ashwini H. Khadke, Samiksha V. Kosode, Poonam Ahire.

## Departmental Events



### Fundamentals of Electronics workshop

Two Days workshop on Fundamentals of Electronics was organized by ETESA for SE students on 06/09/13 & 07/09/13 in which 125 students of Second year E&TC Engineering have participated and gained knowledge in the field of Electronics Engineering by understanding the basic concepts of electronics. The timing for the event was 11:00 A.M. to 05:45 P.M. at E & TC seminar hall.

In this workshop Prof M.P.Deshmukh, Prof A.C.Wani, Prof N.M.Kazi, Dr P.H.Zope, Prof. P.J.Shah, Prof A.H.Karode had guided the students about the concepts of electronics beyond syllabus.

On the first day (On 06/09/13) in the first session, Prof M.P.Deshmukh has explained the students about basics of electrical engg. (passive components) for two hour. After this in the second session, Prof A.C.Wani taught them about basics of electronics engg.(active components) and in the third session Prof N.M.Kazi had taken a practical session of identification and coding of electronics components.

On the second day of workshop in first session Dr P.H.Zope has taught the students about basics of digital electronics for two hours.



After this, in the second session Prof. P.J.Shah delivered a lecture on Integrated Circuits and in the third session Prof A.H.Karode had taken a practical session of handling different measuring equipments (CRO, FG, and DMM, LCRQ METER).

This two day workshop was organized by (ETESA Co-ordinator) Prof Amol Wani, Prof H. N Kamlaskar & Prof Priyanka Koshti under ETESA.

There was also coordination provided by student coordinators Nikhil Babhulkar, Kilol Bordia, Rakesh Kumar who gave their hard efforts for successful organization of the workshop.

This workshop has motivated students to take interest in learning electronics & also made their fundamentals of electronics clear. Every participant was awarded by certificate of participation by ETESA.

### Workshop on Latex



A workshop on Latex for final year students was organized on 06th & 07th September 2013 in CC laboratory. Dr.Girish Patnaik, HOD, Computer Engg Department delivered the basics on Latex.

## Departmental Events



To minimize the gap between education and industry, a Guest Lecture on “INDUSTRIAL APPROACH FOR ELECTRONICS” was organized by E&TC department for all SE students on 13/09/13 in the class room 302 at 11:00 A.M. to 02:00 P.M. This lecture was delivered by Mr. Sanjay Atmaram Chaudhari, Director of Electronics study centre. From this lecture, students get benefited by:

1. Improvement in component identification knowledge.
2. Awareness about circuit and PCB designing.
3. Developed interest about electronics circuit and projects.
4. Self confidence in practical electronics.
5. Improvement in capability to use component for various application.
6. Get helpful confidence how to face an industrial atmosphere and find technical faults.

### Quotes Corner

*“A great man is always willing to be little.”*

Ralph Waldo Emerson



### Guest Lecture on DSP

To minimize the gap between education and industry a Guest Lecture on “Guest Lecture On Digital Signal Processing And it’s Application” was organized by E&TC department for all BE students on 05/10/13 at E & TC seminar hall . This lecture was delivered by Dr.Sumant G. Kadwane from Yeshwantrao Chavan College of Engg. Nagpur at 11:00A.M. to 02:00 P.M. From this lecture students get benefited by:

1. Awareness about DSP & its applications.
2. Developed interest about DSP and their projects.

### M.E. Activities

12 students have submitted their M.E. thesis under the guidance of Prof.S.R.Suralkar, Prof.D.U.Adokar, Prof.M.P.Deshmukh Prof.B.K.Khadse, Dr.P.H.Zope, Prof.A.H.Karode, Prof.A.C.Wani, Prof.S.U.Nyati, Prof.P.J.Shah, Prof.V.M.Deshmukh respectively. 08 students have passed their November-December oral examinations and M.E. (Digital Electronics) degree is conferred to them.)

## Departmental Events



### Guest Lecture by Dr.Manesh Kokare

Dr.Manesh Kokare from SGGS Institute of Engineering & Technology had delivered a guest lecture on Advancements in Digital Signal Processing on 28th September 2013 at E & TC seminar hall at 11 A.M. to 01.00 P.M. More than 90 E & TC final year students had participated in this guest lecture to get benefited of his expert concepts of the subject to build a strong base of knowledge.

### Quotes Corner

*"A wise man is superior to any insults which can be put upon him, and the best reply to unseemly behavior is patience and moderation."*

Moliere

## Students Activities



### Guest Lecture by Dr.Manesh Kokare for T.E.E & TC

Dr.Manesh Kokare from SGGS Institute of Engineering & Technology had delivered a guest lecture on Control systems & its applications on 28th September 2013 at E & TC seminar hall at 02 P.M. to 04.00 P.M. More than 80 T.E. E & TC students had participated in this guest lecture to get benefited of his expert concepts of the subject to build a strong base of knowledge.

## Soft Skill Training

Soft Skill Training Program by Impression Consulting for S.E Training & Placement held at SSBT COET, JALGAON from 29/07/2013 to 31/07/2013 to enhance knowledge & presentation skills.  
 Soft Skill Training Program by Impression Consulting for T.E Training & Placement held at SSBT COET, JALGAON from 01/08/2013 to 04/07/2013 to enhance knowledge & presentation skills.  
 Soft Skill Training Program by Techrel Consultant, Pune for B.E. Training & Placement held at SSBT COET, JALGAON from 29/07/2013 to 04/08/2013 to enhance knowledge & presentation skills.

## Students Activities and Achievements

### Result at Glance

#### Second Year



**Swati M**  
1st  
(75.33%)



**Priyanka T**  
2nd  
(74.86%)



**Nishigandha**  
3rd  
(72.22%)

#### Third Year



**Aditi Patil**  
1st  
(75.26%)



**Snehal P**  
2nd  
(73.86%)



**Bhagyashri**  
3rd  
(70.60 %)

#### Final Year



**Gayatri**  
1st  
(76.2%)



**Sarika P**  
2nd  
(75 %)

**Neha Kumari**  
3rd  
(74.33 %)

### Departmental Activities

A two day workshop on C/C++ was organized on 23/08/13 & 24/08/13 for T.E. E & TC students to give them the fundamentals of the programming language. Dr. U.S.Bhadade, H.O.D., E & TC. Dr. Mrs. Saroj S Shekhawat & Prof. Sushant Bahekar were the eminent speakers for the session.

### Departmental Activities

1. An aptitude test I was held on 24/08/13 at 02:00 P.M to 04:00 P.M, for B.E. E & TC students. The program coordinator for this event was Prof. A. C.Wani.
2. An aptitude test II was held on 07/09/13 at 02:00 P.M to 04:00 P.M. for B.E. E & TC students. The program coordinator for this event was Prof. A. B.Sapkal.
3. An aptitude test III (Technical Quiz) was held on 14/09/13 at 02:00 P.M to 04:00 P.M. for B.E. E & TC students. The program coordinator for this event was Prof. P.M.Shanbhag.

### Teachers Day Celebration

On the birthday of Former President of India & Eminent scholar Dr.Sarvpalli Radhakrishna, "Teachers day" celebration was held in various class rooms of E & TC Department on 05/09/2013 by S.E. & T.E. students. The program coordinator for this event was Prof. H.N.Kamlaskar.

### Engineers Day Celebration

On the birthday of First Engineer of India & Eminent scholar Dr.M.Visweswaraiya, "Engineers day" celebration was held in E & TC Department on 16/09/2013 by T.E. students at 04:00 P.M. The program coordinator for this event was Prof. H.N.Kamlaskar.

### Posters Presentation

One day Posters presentation was held on 14/09/13 in E & TC Department for all year students. The program coordinator for the event was Prof.Priyanka Koshti.

### Quotes Corner

*"Remember, your work may be only to sweep a railway crossing, but it is your duty to keep it so clean that no other crossing in the world is as clean as yours."*

Sir M Visvesvaraya

### Faculty Publications & Participation in Seminar/Conferences & Workshops

**Prof. A.H.Karode** has published a paper at International Conference on the title “Digital Video Watermarking Using Principle Component Analysis”, International Conference on Mathematical Modelling and Optimization Techniques in Science and Engineering (MMOSTE-2013) held at SSBT’s College of Engineering and Technology, Bambhori Jalgaon, 26-27 July 2013. **Prof. A.C.Wani** has published a paper on title, “Speech Recognized Automation System Using Speaker Identification through Wireless Communication,” in IOSR journal of Electronics & Communication Engineering (e-ISSN: 2278-284,p-ISSN: 2278-8735) Vol.6, issue 1, May –June 2013,pp 11-18. **Prof. P.J.Shah** has attended One week workshop on “Real time implementation of Power Electronics technologies”, in MNIT, Jaipur, during 24/06/13 to 28/06/2013. **Prof. S.U.Nyati** has attended workshop TEQIP – II a sponsored STTP on Wireless & Optical at SVNIT, SURAT on 24-28 June 2013. He has also published a Paper on title- “QoS Provisioning for Wireless Cellular Network” in International Journal of Research in Engineering & Advance Technology (IJREAT) ISSN: 2320- 8791 Volume – I, Issue 3, June-July 2013.

**Prof. Kunal Pandey** has published a paper on title “Medical Image Fusion Using Curvelet Transform” in International Journal of Electronics and Communication Engineering and Technology (IJECET), ISSN 0976 – 6464(Print), ISSN 0976 – 6472(Online), Volume 4, Issue 3, May – June, 2013, pp. 193-201, www.iaeme.com/ijecet.asp. He has also presented a paper at International Conference on title -“Curvelet Transform based image fusion”, in Mathematical modeling and Optimization techniques in Science & Engineering, 2013 held at S.S.B.T’s C.O.E.T Bambhori, Jalgaon on 26th-27th July 2013.

**Prof. R.N.Deshmukh** has presented a paper at International Conference- “Mathematical Modelling & Optimization Techniques in Science & Engineering, on July 26th & 27th 2013, at SSBT’s COET, Bambhori, Jalgaon. **Prof. H.N.Kamlaskar** has presented a paper at International Conference- “Mathematical Modelling & Optimization Techniques in Science & Engineering, on July 26th & 27th 2013, at SSBT’s COET, Bambhori, Jalgaon.

### “Major Alterations in the Department”



**Prof. Shekhar 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 is also appointed 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 related to college administration.

Heartily Congratulations to Prof. S. R. Suralkar on behalf of HOD & faculty members of E & TC.



**Prof. Dr. Umesh. S. Bhadade** took the charge as the **Head of E & TC Department** on 27th July 2013. Heartily congratulations to him on behalf of all the faculty members of E & TC Department.

## AICTE sponsored National Level Seminar on Applications of wavelet transform in Image Processing



AICTE sponsored National seminar on “Applications of Wavelet Transform in Image Processing” was organized on 18<sup>th</sup>-19<sup>th</sup> October 2013 at SSBT's COET Bambhori Jalgaon, Maharashtra.

The Chief Guest for the inaugural ceremony was **Dr.B.V.Pawar, University Head of the Computer Science Department & Dean, Faculty of Sciences, North Maharashtra University, Jalgaon**. In the inaugural ceremony, the preface of this seminar was delivered by the seminar coordinator **Prof.S.R.Suralkar, Director of Administration, S.S.B.T's C.O.E.T Bambhori Jalgaon**. The chief guest and the **Principal Dr.K.S.Wani** addressed the inaugural function and the vote of thanks was delivered by **Prof.Dr.U.S.Bhadade, Head, Department of Electronics & Telecommunication**. The keynote speaker **Dr.D.S.Chaudhari**, all the Heads of the Departments and faculty members of E & TC department and participants were present for this function.

In the 1<sup>st</sup> session, the keynote speaker, **Prof. Dr.D.S.Chaudhari, Head, Department of E & TC, Government College of Engineering, Amravati** delivered the basics and fundamental of Wavelet theory and related transform with some of the applications of wavelets in Image Processing. His session lasted for 2 hours.

After lunch break, **Mr.Barun Pandhwal, Assistant Professor, HVPM COE, Amravati** demonstrated his work on Wavelets application. Dr.Chaudhari & Mr.Pandhwal answered to the various queries of the participants.

In the second session, **Dr.Mukesh Singh, Dean R & D, SSGB COET Bhusawal** delivered the lecture on Wavelet and its importance over other transform techniques. This session lasted for 2 hours.

On the second day, 19<sup>th</sup> October 2013, for the first session, the Guest of honor and speaker was **Prof.Dr.Ajay V Deshmukh, Principal, Daulatrao Aher College of Engineering, Karad**. He delivered the lecture on wide applications of wavelets in various fields like its Medical Application, Analysis for Windmill Vibrations, Periodicity analysis etc.

After the lunch break, the second session of the second day was delivered by **Prof.Dr.G.G.Bhutada, Head, Department of Instrumentation Engineering, Government College of Engineering, Jalgaon** on the topic correlation of Wavelet and Curvelet transform and its application in the field of Medical Images.



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



**Prof. S. R. Suralkar**  
Director of  
Administration



**Mr. S. P. Shekhawat**  
Director of  
Academics



**Dr. U. S. Bhadade**  
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**Coordinator**

**Mr. S.R. Suralkar, Director of Administration  
Designer & Editor**

**Mr. A.C. Wani, Faculty, E&TC & Mr. N.M. Kazi, Faculty, E&TC**