

## Shram Sadhana Bombay Trust's **COLLEGE OF ENGINEERING & TECHNOLOGY** BAMBHORI, JALGAON



### DEPARTMENT OF COMPUTER ENGINEERING

#### ABOUT NEWS LETTER

SSBT's COET, Department of Computer Engineering is proud to publish its NEWS LETTER (Vol. V, Issue – I).

The objectives of this News Letter is to keep our Students, Parents, Faculty and Industry informed about the activities happening in the Department.

Through this half yearly publication, we hope to engage our various stakeholders in building the network among themselves.

We hope you enjoy it!

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Smt. PRATIBHA DEVISINGH PATIL  
Former President of India  
Founder Chairperson,  
Shram Sadhana Bombay Trust



Dr. DEVISINGH R. SHEKHAWAT  
An Eminent Educationist  
The Founder President of  
Vidya Bhartai Shaikshanik Mandal,  
Amravati



Shri. RAOSAHEB SHEKHAWAT  
Chairman  
Governing Body,  
Shram Sadhana Bombay Trust



Prof. Dr. K. S. Wani  
Principal  
SSBT's COET, Bambhori, Jalgaon



Prof. Dr. G. K. Patnaik  
Head  
Computer Engineering Department  
SSBT's COET, Bambhori, Jalgaon



## Chairman's Message...



We have a vision to build up excellent centre of technical education coupled with industrial interaction. This will be structured with the academic excellence that the institution has set for itself. The Institute organizes programs that highlight the fundamental values in life directing its students to achieve excellence in their respective fields. The green campus extends career building opportunities for more than 800 students every year. Highly qualified and well experienced faculties mould and mentor the students for prospective careers. We have a very dedicated group of faculty & Staff who works together to spread the quality knowledge.

These staff members bring an immense amount of talent, resources and experience to the table for benefit of SSBT College of Engineering & Technology. As a part co-curricular and extracurricular activities we conduct state level and intercollegiate level seminars and workshops; encourages students to participate in technical paper presentation contests; organize lectures by experts from leading industries etc. SSBT aims at not only educating the young to be successful Engineers, Managers and Entrepreneurs but also to churn out socially responsible human beings of tomorrow. I convey my best wishes to all the students and their parents for a successful future and good education.

## From Principal's Desk ...



The current scenario in the local, national and international level is of intense competition with equal opportunity to all. The world has grown phenomenally in the past decade than ever before. Education which has always played an important role in the life of man has gained a lot of importance. In the present times it is not only, 'what you have' but 'how much you know' determines your success.

Here in our college we believe in 'shram sadhana' i.e. karm yoga & this value we inculcate in our students. Our college is having 8 UG Programs & 5 PG programs in engineering, a M.B.A. & 05 Ph.D. Programs.

We have the best of staff, faculties & facilities to impart technical excellence to our students who will be the architects of technological development & Society.

The college gives due importance to

co-curricular and extra-curricular activities. Our students excel in intercollegiate and University' competitions in extra-curricular events. College also conducts personality development programs, guest lecturers in general and technical areas for continuous improvement of students and faculty.

Training and placement department of our college helps students in making them aware about the various job opportunities in their respective fields with the aid in applying for the jobs and conducts campus interviews to recruit them when they are in final year of their graduation.

Our aim is to impart the best of the knowledge and technical knowhow to our students with required inputs, and the desire and ability to learn, lead and excel to make them responsible and respected citizens of India. We will be pleased if we receive any suggestion regarding our improvement.

## **VISION of SSBT's COET**

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

## **MISSION of SSBT's COET**

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

## **OBJECTIVES**

- To impart innovative teaching and learning.
- To provide quality education with futuristic trends in engineering and technology.
- To develop the institute as a research center for academic excellence.
- To ensure continual improvement in quality management system.
- To inculcate social values, patriotism and professional ethics among students.

## **SSBT's COET at a Glance**

SSBT's College of Engineering & Technology is an Engineering College governed by Shram Sadhana Bombay Trust (SSBT). It is a college with long tradition of imparting excellence in education.

- It is included under section 2(f) and 12(B) of UGC act 1956.
- QMS of College confirms to ISO 9000:2008.
- Approved by All India Council for Technical Education (AICTE), New Delhi.
- Permanent affiliation to N.M.U., Jalgaon.
- NBA Accredited from last 10 years.
- A Grade by N.M.U., Jalgaon
- Grade B++ (2.91) NAAC Accredited
- Awarded Best Engineering College of Maharashtra by Engineering Education Foundation, Pune.
- Engineering Education Excellence Award-2015 by Indo Global Chamber of Commerce Industry & Agriculture, Pune.



## ABOUT DEPARTMENT

Computer Engineering, anchored in computer science and engineering design, advances humankind by improving the underlying digital hardware, computing networks, and software systems that impact our everyday lives. The way we live, work and play in our technology-driven, interconnected world is largely influenced by the ideas and actions of computer engineers. With the rapid development of hardware components, communication systems and software, there is a demand for computer engineers. It provides an opportunity to work in the continuously changing technology sector. The career outlook is great for computer engineers.

The computer industry is one of the fastest growing segments of our economy and that growth promises to continue well into the next century. Thus, computer engineering is one of the fastest growing career fields in the world. Computer engineers work in almost every industry starting from healthcare and gaming to banking and online shopping. They might find themselves in a variety of environments in academia, research, industry, government, private and business organizations – analyzing problems for solutions, formulating and testing, using advanced communications, or working in teams for software development.

Computer Engineers are responsible for designing, developing, implementing and testing computer-based hardware and software. Computer engineering encompasses a wide range of topics including operating systems, computer architecture, networking technology, software engineering, compiler design, artificial intelligence, database design, data mining, embedded systems etc.

The Computer Engineering Department offers both bachelor's and master's degrees in Computer Engineering. These degree programs prepare graduates for successful, profitable and lifelong careers in Computer Engineering. Computer Engineering students study digital hardware and software systems. Through innovative classroom instructions supported by laboratories equipped with the state-of-the-art hardware and software, the department ensures that the students are introduced to both fundamental and advanced knowledge in areas such as embedded systems, networking technology, computer security and software engineering etc.

## VISION OF DEPARTMENT

To emerge as the leading Computer Engineering department for inclusive development of students.

## MISSION OF DEPARTMENT

To provide student-centered conducive environment for preparing knowledgeable, competent and value-added computer engineers.

## SALIENT FEATURES

- There are 10 different Laboratories for UG and 2 different Laboratories for PG in our Department.
- Adequate numbers of Computers in College and department.
- Current Investment on Computer Department : Rs. 1,22,11,389/-.
- Adequate number of system software packages.
- Adequate number of application software packages.
- Peripherals/ Printers in College: Printers: 85, Scanners: 09
- Internet Accessibility with Fortigate UTM security Device: 60 Mbps Tata Leased Line
- Microsoft Campus Agreement
- Departmental Library consisting of more than 500 books & magazines
- Exquisite Collection of various Technical Subject Books and Subscription to latest Computer Magazines
- Extra Practical Timing for Practice and review

## FACULTY PROFILE

Sr. No.	Faculty Name	Designation	Email-Id
1	Dr. Girish Kumar Patnaik	Professor & Head	patnaik.girish@sscoetjalgaon.ac.in
2	Dr. Krishnakant P. Adhiya	Associate Professor	adhiya.krishnakant@sscoetjalgaon.ac.in
3	Mr. Manoj E. Patil	Associate Professor	patil.manoj@sscoetjalgaon.ac.in
4	Mr. Ashish T. Bhole	Associate Professor	bhole.ashish@sscoetjalgaon.ac.in
5	Mr. Sandip S. Patil	Associate Professor	patil.sandip@sscoetjalgaon.ac.in
6	Mrs. Sheetal Patil	Assistant Professor	patil.shital@sscoetjalgaon.ac.in
7	Mrs. Nilima Patil	Assistant Professor	patil.nilima@sscoetjalgaon.ac.in
8	Ms. Priti R. Sharma	Assistant Professor	sharma.priti@sscoetjalgaon.ac.in
9	Mr. Nitin Y. Suryawanshi	Assistant Professor	suryawanshi.nitin@sscoetjalgaon.ac.in
10	Mr. Dipak D. Bage	Assistant Professor	bage.dipak@sscoetjalgaon.ac.in
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19	Ms. Sweta Pandey	Assistant Professor	pandey.sweta@sscoetjalgaon.ac.in
20	Ms. Archana Shinde	Assistant Professor	shinde.archana@sscoetjalgaon.ac.in
21	Ms. Prachi P. Chaudhari	Assistant Professor	chaudhari.prachi@sscoetjalgaon.ac.in
22	Mr. Paresh D. Sharma	Assistant Professor	paresh7sharma@gmail.com
23	Mr. Naresh D. Kale	Assistant Professor	nareshdkale123@gmail.com
24	Mr. Jitendra R. Patil	Assistant Professor	jitendra.rajput04@gmail.com



## ACTIVITIES



Department of Computer Engineering organized Expert Lecture on “Guidance on Open Source Software and RedHat / Fedora Internship” for TE and BE Class Students on 02/08/2016 during 11:00 am to 01:00 pm at AC Seminar Hall, SSBT’s COET, Bambhori, Jalgaon.

The objective of the Expert Lecture was to create awareness regarding Open Source Software among Students and to motivate them for Internship in RedHat. Mr. Pushpendra Chavhan, Senior Technical Support Engineer, RedHat India was the Speaker for the Expert Lecture.

## FACULTY AS RESOURCE PERSON



**Prof. Dr. G. K. Patnaik**, HOD & **Prof. M. E. Patil** from Department of Computer Engineering conducted Two Days’ Workshop on “LaTeX: A Document Preparation Software” during 14<sup>th</sup> & 15<sup>th</sup>, Nov., 2016 at Government College of Engineering, Aurangabad.

The Workshop was sponsored by TEQIP-II and was organized for Faculty Members from the Institute.



## FACULTY ACHIEVEMENTS



**Dr. K. P. Adhiya**, Associate Professor, Department of Computer Engineering, completed his Ph.D. in Computer Engineering on 3<sup>rd</sup> Oct., 2016.



**Mr. Sandip Patil**, Associate Professor, Department of Computer Engineering received “Best Paper Award” at IEEE International conference on Global Trends in Signal Processing, Information Computing and Communication.

## COURSE ATTENDED BY FACULTY



**Mr. Ashish T. Bhole**, Associate Professor in the Department of Computer Engineering attended One Week GIAN (MHRD, Govt. of India) supported Advanced Level Course on “Software Mining and Analysis” at National Institute of Technology Karnataka (NITK), Surathkal, Mangalore from 17th to 21 Oct 2016.

The Course Instructor was Prof. Dr. Davod Lo, Singapore Management University, Singapore.

## FACULTY PUBLICATIONS



**Mr. Manoj E. Patil**, Associate Professor, Department of Computer Engineering received “Best Paper Award” at IEEE International conference on Global Trends in Signal Processing, Information Computing and Communication.

Sr. No.	Name of Author(s)	Title of the Paper	Name of the Journal / Conference	ISSN/ ISBN No.	Month – Year
1	Mr. Jitendra R. Patil	Energy Effectual Trust Based Technique for Prevention of Vampire Attack	International Journal of Science & Engineering Development Research (IJSER) Volume 1 Issue 8	ISSN: 2455-2631	Aug., 2016
2	Mr. Ashish T. Bhole	Use of Sequential Hypothesis Testing for Detection of Mobile Replica Nodes in Wireless Sensor Network	International Journal of Computer Applications, Foundation of Computer Science, New York, USA	ISSN: 0975-8887	Sept., 2016
3	Mr. Manoj E Patil	Cargo Space Optimization for container	IEEE International conference on Global Trends in Signal Processing, Information Computing and Communication	-	Dec., 2016
4	Mr. Manoj E Patil	Improved Recommendation System with Review Analysis	IEEE International conference on Global Trends in Signal Processing, Information Computing and Communication	-	Dec., 2016
5	Mr. Dipak D. Bage	Handwritten Devnagari Numeral and Vowel Recognition Using Invariant Moments	IEEE International conference on Global Trends in Signal Processing, Information Computing and Communication	-	Dec., 2016
6	Dr. K. P. Adhiya, Dr. G. K. Patnaik	A Survey on Enhanced Security Through Token's	International Journal of Innovation Research in computer And communication Engineering	Online: 2320-9801 Print: 2320-9798	Dec., 2016
7	Dr. K. P. Adhiya, Dr. G. K. Patnaik	A Survey on Compressing the Dependent Element of Multiset's Linear Form	International Journal of Innovation Research in computer And communication Engineering	Online: 2320-9801 Print: 2320-9798	Dec., 2016
8	Dr. K. P. Adhiya	A Review on Finding Users Navigation Behavior using Web Mining Algorithm	International Journal of Scientific Research in Science, Engineering and Technology	Online: 2394-4099 Print: 2395-1990	Dec., 2016
9	Dr. K. P. Adhiya	An Enhanced Audio Steganography Technique	International Journal of Advanced Research in Computer Science and Software Engineering	ISSN: 2277-128X	Dec., 2016



## WORKSHOP ATTENDED BY FACULTY

Sr. No.	Name of faculty	Name of the Course / Summer School	Place	Duration	Sponsoring Agency
1	Mr. Harshal R. Kotwal	Faculty Development Programme	SSBT's COET, Bambhori, Jalgaon	13 <sup>th</sup> to 18 <sup>th</sup> Oct., 2016	National Institute of Technical Teachers' Training & Research, Bhopal (Ministry of Human Resource Development, Govt. of India)
2	Mr. Sushant S. Bahekar				
3	Ms. Sweta Pandey				
4	Mr. Sandip S. Patil				
5	Mr. Dinesh Puri				
6	Mrs. Nilima P. Patil	One Week STTP on Soft Computing	B.N. College of Engg. Pusad, Dist Yeotmal.	26 <sup>th</sup> to 31 <sup>st</sup> Dec., 2016	ISTE
7	Mrs. Yogeshwari S. Borse				
8	Ms. Priti R. Sharma				



SSBT's COET, Bambhori, Jalgaon organized 'Faculty Development Programme' during 13-18 Oct., 2016.

The Short Term Training Programme was conducted by Dr. Rajesh Khambayat, Head, NITTTR, Bhopal & Prof. S. S. Kedar, Associate Professor, NITTTR, Bhopal.

## STUDENTS' ACHIEVEMENT



**Kartik Thorat, student from TE-B class won First Prize in Intercollegiate Event “CQUIZ” organized by SSBT’s COET, Department of Information Technology**

Sr. No.	Student Name	Class	Event	Level	Place	Rank
1	Sohail Shaikh	TE	Chess Competition	Intercollegiate	Amalner, Jalgaon	First
2	Kartik Thorat	TE	CQUIZ	Intercollegiate	SSBT’s COET, Jalgaon	First
3	Manas Kumar	TE	Badminton Competition	Intercollegiate	Chalisingaon, Jalgaon	First
4	Arpita Patil, Shradha Kotkar	TE	Volleyball Competition	Intercollegiate	Pachora, Jalgaon	Runner Up
5	Priyanka Sonawane	TE	Kho-Kho Competition	Intercollegiate	Chopda, Jalgaon	Runner Up
6	Ruchita Nehete	TE	Kabaddi Competition	Intercollegiate	Erandol, Jalgaon	Runner Up
7	Darshana Bhosale, Shweta Shitole, Vinay Pal, Manas Kumar	TE	Poster Presentation	University Level	SSBT’s COET, Jalgaon	Second
8	Ajay Pawar	SE	TECHIZON (C / C++ Coding)	Intercollegiate	IMR College, Jalgaon	Second
9	Saurabh Sunkarvar	TE	Chess Competition	Intercollegiate	Amalner, Jalgaon	Second
10	Darshana Bhosale	TE	Chess Competition	Intercollegiate	Amalner, Jalgaon	Third
11	Junaid Khan	BE	CQUIZ	Intercollegiate	SSBT’s COET, Jalgaon	Third
12	Suraj Varade	TE	Archery Competition	Zonal	Jalgaon	-
13	Kalpit Vadnerkar	SE	Lawn Tennis Competition	Inter University	Barkatulla University, Bhopal	-
14	Dhanashri Gosavi, Ila Shrivastav, Ragini Chitte	TE	Hockey Competition	Zonal	SSBT’s COET, Jalgaon	-



## CSR ACTIVITY

Faculty members from Department of Computer Engineering including Mr. S. D. Rajput, Mr. Sushant Bahekar, Mr. Jitendra Patil & Mr. Harshal Kotwal organized One Day Seminar on **“Career in Engineering Education & Digital India”** at various Junior Colleges in Betawad, Dondaicha, Nardana, Shindkheda, Navapur, Shahada, Pachora & Dhule on 11<sup>th</sup>, 12<sup>th</sup> & 29<sup>th</sup> Dec., 2016.





## NAAC PEER TEAM VISIT

**NAAC PEER TEAM** visited SSBT's COET, Bambhori, Jalgaon during August 29-31, 2016. Chairperson **Prof. D.N. Reddy** (Former Vice Chancellor Jawaharlal Nehru Technological University), Hyderabad, Telangana, Member Coordinator **Prof. Dr. N. Panchanatham**, (Former Registrar) Professor Department of Business Administration, Annamalai University, Annamalainagar, Tamilnadu, & **Prof. Sumant Katiyal** (Former Dean and Head) Professor, School of Electronics, Devi Ahilya Vishwavidyalaya, Indore & **Prof. Bipin V Mehta**, Director, AES Institute of Computer Studies, Ahmedabad, Gujrat interacted with Faculty Members & Students of Computer Engineering Department.





## STUDENTS' PLACEMENT



SSBT's COET, Training & Placement Cell organized placement drive by “Tudip Technologies, Pune”. **Arpriti Prathyani, Apeksha Todkar, Vishwesh Rathi, Naurin Deshmukh & Pritesh Raka** from Department of Computer Engineering are selected through this Campus Placement Drive.

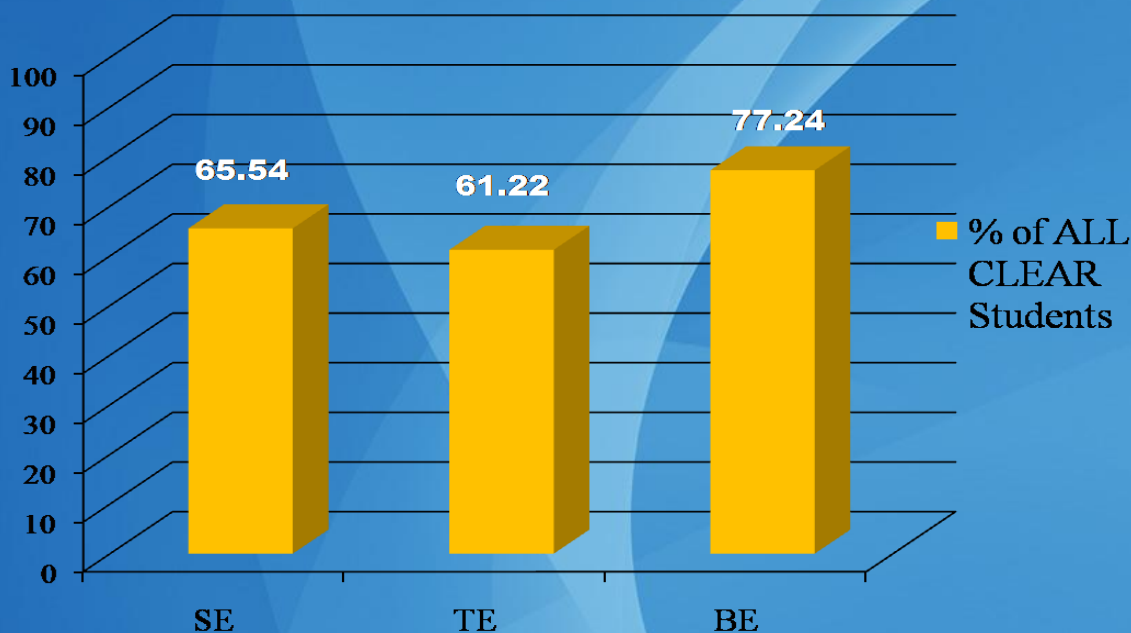
## EXTRA CURRICULAR ACTIVITIES



Students of Computer Engineering Department participated Cultural Programme organized during NAAC PEER TEAM visit to SSBT's COET, Jalgaon.

## RESULT ANALYSIS

NMU NOV./DEC. 2016



## LIST OF CLASS TOPPERS

NMU NOV./DEC. 2016

SE Class Topper Name	SGPA	TE Class Topper Name	SGPA
PARDESHI MADHURI PRAKASHSING (MANDA)	9.13	ILA KRISHNA SHRIVASTAVA (RITA) (NMU - 3)	8.91
BANGAR RADHIKA RAMESH (MANOJ)	9	KHODAPE MINAL SANJAY (SANGEETA)	8.87
JETHWANI HARDEEP BHAGCHAND (ARTI)	9	JAGTAP DHIRAJ DEVENDRA (ASHA)	8.83
KATEKAR NIKITA SUHAS (VANDANA)	9	PATIL RUPALI BHAUSAHEB (SUSHILA)	8.83
ANSARI KHALID FAISAL MOHD SHAHID (RUMAISA KHATOON)	8.83	PATIL ROHINI RAVINDRA (KALPANA)	8.65
JAYA SURYAWANSHI (ALKA)	8.83	KATDARE VAISHNAVI VIVEK (PRATIMA)	8.61
BANGALI POOJA PRAMOD (ARCHANA)	8.78	BARI ASHWINI GOPAL (BHARATI)	8.52
PATIL YOGITA SOPAN (MANGALA)	8.78	BARI SAMPADA KISHOR (NAYANA)	8.52
MUNOT PRIYANKA RAJENDRA (PUSHPA)	8.7	PRIYANSHU ARORA (RASHMI)	8.52

BE Class Topper Name	SGPA
NAVAL PUJA ANIL (SAROJ)	9.09
SURYAWANSHI BHAGYASHRI DHANARAJ (KALPANA)	9.09
MARATHE TANAYA GAJANAN (MANISHA)	8.96
BHAVSAR AISHWARYA ABHAYKUMAR (DHANSHREE)	8.91
PATIL PRAJAKTA YUVRAJ (UJJWALA)	8.91
DUSANE PRAJAKTA DILIP (KALPANA)	8.87
PATIL KAJAL KESHAVRAO (ANITA)	8.87
CHAUDHARI KALPESH PRAMOD (RATNA)	8.83
PATIL POONAM ISHWAR (VIJAYA)	8.83
SHEEBA FAROOK PATEL (REHANA)	8.83