



## Department of Computer Engineering SSBT's College of Engineering & Technology, Bambhori, Jalgaon, Maharashtra

**Vision:** To emerge as the leading Computer Engineering department for inclusive development of students

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



SSBT's College of Engineering & Technology, Bambhori, Jalgaon

## Our Inspirations



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 D. SHEKHAWAT  
Chairman & Managing Trustee  
Shram Sadhana Bombay Trust

## Vision, Mission and Objectives of the Institute

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

**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

### 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 the students

# About the Department

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 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.

Salient Features of the department are as follows.

- State of the Art Computing Facilities
- ICT in Teaching and Learning
- Teacher as Mentor
- Research & Publications with Social Impact

- Supportive Learning for Placements
- Professional Development for Industrial Engagement

Various activities conducted by the department for the students are as follows.

- Value Added Courses
- Career Oriented Add-On Courses
- Special Training for Competitive Examination
- Expert Lectures for Industry Interaction
- Report Writing & Paper Presentation
- Personality Development & Soft Skill Training



## Program Educational Objectives (PEOs)

### PEO 1. Core Knowledge

Computer engineering graduates will have the knowledge of basic science and Engineering skills, Humanities, social science, management and conceptual and practical understanding of core computer engineering area with project development.

### PEO 2. Employment

Computer engineering graduates will have the knowledge of Industry-based technical skills to succeed in entry level engineering position at various industries as well as in academics.

### PEO 3. Professional Competency

Computer engineering graduates will have the ability to communicate effectively in English, to accumulate and disseminate the knowledge and to work effectively in a team with a sense of social awareness. ■

## Program Outcomes (POs)

Computer Engineering Graduates will be able to:

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## Program Specific Outcomes (PSOs)

Computer Engineering Graduates will be able to:

- Software Systems Development: Apply the theoretical concepts of computer engineering and practical knowledge in analysis, design and development of software systems.
- Open Source Software: Demonstrate familiarity and practical competence with a broad range of programming languages and open source platforms.
- Computer Proficiency: Exhibit proficiency through latest technologies in demonstrating the ability for work efficacy to the industry and society.

# Campus Placement

Sr.No	Name of Company	Package in Lakh	No of Students selected
1	TCS	3.36	3
2	Left Right Minds, Pune	3.00	5
Total			8

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## Hackathon-2020

Smart India Hackathon 2020 is a nationwide initiative to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. For SIH2020, internal hackathon was organized by Technical institutes in which 7500 groups were participated among which 1200 groups were selected for final competition. For final competition two groups from our institutes were shortlisted.

The topic of first group was App for Women and Child Safety under Ministry of Women and Child Development and group leader was Yashashree Mahajan from TE Computer. Other group members were Khushboo Bhushan Bajaj, Samaksh Santosh Wani, Chetan Sundarlal Badgujar, Gopal Anand Agrawal and Aditya Mahendra Nathani. The competition for this group was organized at K.L University Vijaywada.

The topic of second group was Embankment Mapping and Crowd sourced Health Card for Preventive Structural Measures under the National Mission for Clean Ganga, DoWR, RD and GR, Ministry of Jal Shakti and The Project leader was Tejas Pingalkar. Other group members are Krutika Gajanan Satange, Mohit Yuvraj Chaudhari, Dipesh Shivaji Chaudhari, Sagar Gorakh Patil and Teena Pawar. The competition for this group was organized at SKIT Jaipur.

Due to pandemic situation competition was organised online in the department of computer engineering. Final online project competition of selected teams was held on 1st August 2020 and both group won the First Prize.



Final SIH2020 Competition



Final SIH2020 Competition

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## Research Publications

- Nilima Patil Published paper entitled as Preprocessing and segmentation for handwritten devanagari document, published on 22 february 2021 ,Web of science and UGC care list
- K.P. Adhiya, Chaitali G. Patil, Atul V. Dusanee, Multidimensional Blockchain Technology: That Changing the World, in International Conference on Global Trends in Engineering and Technology (ICGTET-2020-21) (Online Mode) organized by Department of Electronics and Telecommunication Engineering and Department of Information Technology, SSBT COET, Bambhori-Jalgaon, held on 29th -30th January 2021.
- Krishnakant P. Adhiya, Patil Mayur Jagdish, Cyber Security: Need for Society, in International Conference on Global Trends in Engineering and Technology (ICGTET-2020-21) (Online Mode) organized by Department of Electronics and Telecommunication Engineering and Department of Information Technology, SSBT COET, Bambhori-Jalgaon, held on 29th -30th January 2021. 13.
- K.P. Adhiya, Patil Shweta, Automated Evaluation of Students Short Answer Responses: A Systematic Review, in International Conference on Global Trends in Engineering and Technology (ICGTET-2020-21) (Online Mode) organized by Department of Electronics and Telecommunication Engineering and Department of Information Technology, SSBT COET, Bambhori-Jalgaon, held on 29th -30th January 2021. ■

## Workshop/FDP/STTP Attended

- Dr.K.P. Adhiya attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Dr. M.E. Patil attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Mr. A.T. Bhole attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Mr. S.S. Patil attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Mr. N.Y. Suryavanshi attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Mr. D.D.Puri attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Mr. A.D. Waghmare attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Ms. Shital Patil attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Ms. Nilima Patil attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Ms. Yogeshwari Borese attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Ms. Dhanshree Tayde attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Mr.Dipak Bage attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Miss Priti Sharama attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Miss Archana Shinde attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.

- Mr. Pravin Patil attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Mr. Sushant Bahekar attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Mr. satpal Rajput attended online Trained-Trainer Training Program for teaching Communities for affiliated Colleges organized by KBCNMU, Jalgaon During 24-27 July 2020.
- Dinesh D. Puri attended One week Faculty Development Program on Data Sciences Organized by ATAL(AICTE Training and Learning) Academy from 7th Sept 2020 to 11th Sept 2020.
- Mr Ashish T. Bhole, Associate Professor participated in One Week Online International Faculty Development Programme under TEQIP-III on Machine Learning and Computer Vision: Applications, Research Challenges (MLCV 2020) organized by National Institute of Technology (NIT), Silchar, Assam held during 24th to 28th Aug 2020
- Mr. Akash D. Waghmare, Assistant Professor participated in One Week AICTE Training And Learning (ATAL) Academy Online FDP on Block chain from 2020-9-8 to 2020-9-12 at JNTUA College of Engineering (Autonomous).
- Mr. Akash D. Waghmare, Assistant Professor participated in One Week AICTE Training And Learning (ATAL) Academy Online FDP on Data Sciences from 2020-12-14 to 2020-12-18 at Indian Institute of Information Technology Tiruchirappalli.
- Nitin Y. Suryawanshi, Assistant Professor, attended Webinar on English for Academic Research Writing on 16-06-2020
- Dr. Manoj E. Patil, Associate Professor has attended the FDP on Stress and Anger Management held from 15-12-2020 to 19-12-2020 by Jaipur Engineering college and research center Jaipur
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## Organisation and Conduction of Online Workshop

- Online workshop conducted on How To Conduct ISE Using Google Forms through Microsoft Teams on 5-11-2020 by Mr. Sushant Bahekar and Mr. Pravin Patil. Total 71 faculty members were participated in the workshop.
- Online workshop conducted on Course Management in MOODLE through CISCO WebEx from 10th August to 13th August 5-11-2020 by Dr. Manoj Patil. Total 76 faculty members were participated in the workshop.
- Online workshop conducted on Video Editing through Microsoft Teams on 2-11-2020 by Mr. Nitin Suryawanshi. Total 63 faculty members were participated in the workshop.



## Result Analysis of December 2018 University Examination

Class	Number of Students Appeared	Number of Students ALL Clear	% of ALL Clear
S.E.	131	130	99.23
T.E.	150	150	100
B.E.	148	147	99.32



## S.E. Computer Toppers

Name of the Student	SGPA
PATIL MOHIT MANOJ (CHITRA)	10
QUADRI TASKEEN FATEMA MOIZ (NURUSSABA)	10
JETHANI INDRA LAKHIRAM (SANGEE-TA)	9.95
SHAIKH ALVIRA AAISHA WAJEED (NASREEN BANO)	9.95
SHUKLA SHIVENDRA RAMESHCHANDRA (POONAM)	9.95
SONAWANE SHRADDHA HEMANTKUMAR (JYOTIBAI)	9.95
SONONI MEGHANA GOKUL (LATA)	9.95
TORAWANE SUDESHANA PANDIT (VAISHALI)	9.95
SAIYAD UNAIB ALI SAIYAD NAVED ALI (NAZEMA)	9.9
PATIL SANSKRUTI PRADIP (TRUPTI)	9.9
BAGUL MAHENDRA RAJENDRA (SUNANDA)	9.9
PATIL SANSKRUTI PRADIP (TRUPTI)	9.9
BAGUL MAHENDRA RAJENDRA (SUNANDA))	9.9
SANOBAR NIZAMUDDIN SHAIKH (RIZWANA)	9.9
BANAIT SHARAYU MAHENDRA (RANJANA)	9.85
MORE ASHWINI NITIN (NEHA)	9.85
PATIL HARSHADA VASUDEV (MANISHA)	9.85



## T.E. Computer Toppers

Name of the Student	SGPA
Bhojwani Tannu Ravikumar(Simran)	10
Saba Fatema Aarif Khan(Yasmin)	9.95
Wani Saurabh Vinod(Archana)	9.95
Bharambe Pushkar Bhanudas(Vaishali)	9.95
Patil Dhiraj Prashant(Kalpana)	9.9
Patel faisal Ashfaque(Anjum)	9.9
Khachane Bhushan Anil(Kavita)	9.86
Gehlot Jinisha Shailesh(Poonam)	9.86
Sapkale Kiran Kailas (Sarswati)	9.86
Nyande Swapnil Ramesh(Madhuri)	9.86
Patil Purva Vishnu(Sadhana)	9.86



## B.E. Computer Toppers

Name of the Student	SGPA
Nathani Aaditya Mahendra(Reena)	10
Mahajan yashashree Vinod (Yogeshwari)	9.86
Agrawal Gopal Anand(Seema)	9.86
Chaudhari Mohit Yuvraj(Hemlata)	9.86
Chaudhari Dipesh Chaudhari(Alka)	9.86
Wani Samaksh Santosh(Kumud)	9.86
Patil Sagar Gorakh(Sangita)	9.86
Pingalkar Tejas Naredra(Rashmi)	9.86
Bagul Dhanajay Sudhir(Ranjana)	9.86
Pawar Teena Mukesh(Vijaya)	9.86
Satange Krutika Gajanan(Jayashree)	9.86
Bajaj Khushboo Bhushan(Sonali)	9.86
Jangid Monika Shripal(Saroj)	9.86
Badgujar Chetan Sundarlal(Anita)	9.86





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## Newsletter Editorial Committee

**Newsletter Editor-in-chief:**

Dr. Girish Kumar Patnaik, HoD

**Newsletter Editor:**

Dinesh D. Puri, Asst. Professor

**Members:**

Patil Mohit Manoj, S.E. (Computer)

Bharambe Pushkar Bhanudas, T.E. (Computer)

Samamata P. Sanyasi, B.E. (Computer)

Mohit Y. Chaudhari, B.E. (Computer)



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