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

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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 ones 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.

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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.

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Campus Placement

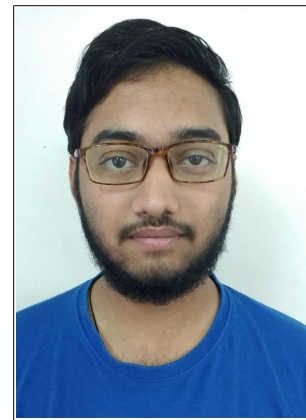| Sr.No	Name of Company	Package in Lakh	No of Students selected
1	TCS	3.36	24
2	Advanced India	6.00	1
3	WIPRO	3.5	6
4	Inexture	3.76	2
Total			33

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Scored in GRE and TOEFL

ranav Wadodkar, B.E. Computer,has secured 307 out of 340 in Graduate Record Examination (GRE) General Test held on October 17, 2018. He scored 144 out of 170 (64th Percentile) in Verbal Reasoning and 158 out of 170 (13th Percentile) in Quantitative Reasoning. He also scored 3.5 out of 6 (41st Percentile) in Analytical Writing.Prospective graduate and business school applicants from all around the world who are interested in pursuing a master's, MBA, specialized master's in business, J.D. degree, or doctoral degree take the GRE General Test. GRE scores are used by admissions or fellowship panels to supplement the undergraduate records, recommendation letters and other qualifications for graduate-level study. The GRE General Test is accepted at thousands of graduate schools, including business and law, as well as departments and divisions within these schools.One can take the GRE General Test once every 21 days, up to live times within any continuous rolling 12 month period (365 days). The test date can be scheduled by the aspirants according to his/her requirements. Valid Passport as identity proof is mandatory to appear for the test.For more details about GRE refer website https://www.ets.org/gre Further, he also secured 95 out of 120 in TOEFL iBT test held on October 28, 2018. He scored 25 out of 30 in Reading, 25 out of 30 in Listening, 23 out of 30 in Speaking and 22 out of 30 in Writing. The test is given in English and administered via the internet. There are 4 sections (reading, listening, speaking, and writing)

Pranav Wadodkar

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Add on Courses

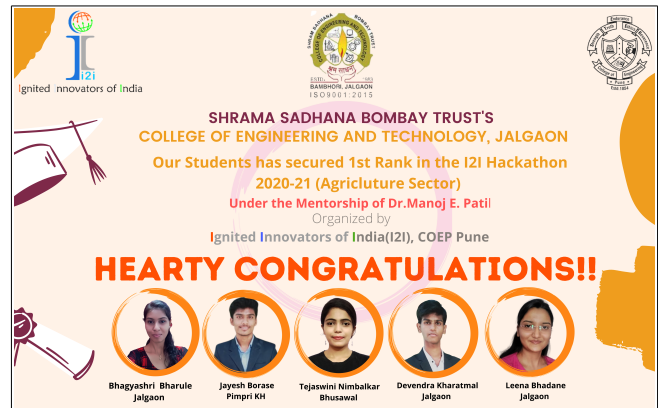| Date	Topic	Resource Person	Program Coordinator
26-10-2021	HTML, CSS, Javascript	Ms. Mayuri Lohar	Ms. Nilima Patil
27-10-2021	R Prog.	Mr.Sandip Patil	Ms.Shital Patil
28-10-2021	Angular JS	Ms. Dimpal Patil	Ms. Priti Sharma
29-10-2021	C sharp and .NET	Ms. Sana Deshmukh	Ms. Dhanshree Tayade
30-10-2021	Git and Github	Ms.Tejshree Patil	Mr. A. D.Waghmare

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Faculty Publication

- Nitin P. Jagtap, Dr. Krishankant P. Adhiya Published paper on Association Rule Mining And Data Sanitization Technique Using Hash Base Apriori Design Engineering issue 0011-9342 in Sep 2021 Issue No 8 Page No 2269-2281 impact no. 1.41

- Ashish T. Bhole Ashwini Nhavi, Shrutika Jawale, Pragati Patil, Pooja Shinkar published paper on Detection of Suspicious URL with Naive Bayes and Support Vector Machine Learning Approach in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) issue no 2320-9801 July 2021 vol 9 issue no 7 Page no 8531-8535

- Ashish T. Bhole Mrunal Patil, Mayuri Kurkure, Gaurav Jumde, Saurabh Joshi, Vaibhav Patil publshed paper on Emotion Recognition in Speech with MLP Classifier and MFCC Feature in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) issue no 2320-9801 July 2021 vol 9 issue no 7

- Sandip S. Patil presented paper in international conference ICInPro-2021 on Data Science and Computational Intelligence on topic Path and Information Content-based Structural Word Sense Disambiguation held on 22-10-2021

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Ignited Innovators of India(I2I)Hackathon

Instituted by the Bhau Institute of Innovation Entrepreneurship and Leadership (BIEL) and College of Engineering Pune (COEP) in association with Eaton, Ignited Innovators of India (i2i) is a program aimed at providing a platform to students who are keen to become social entrepreneurs and intend to bring in a small but significant change in the world around them. TE Computer Studnts Tejaswini Nimbalkar Leena Bhadane,Bhagyashri Bharule, Devendra Kharatmal, Jayesh Borase developed a project on Resources Sharing in Agriculture and won the first prize in project competition under guidance of Dr. Manoj E. Patil

Winners of (I2I Hackathon

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Manthon 2021 Hackathon

Manthan 2021 was a hackathon based on national interests and challenges faced by our intelligence agencies that will be conducted online(Virtual). Virtual Hackathon basically refers to conducting an entire event online on a cloud based tool for non-stop 36 hours coding concept derived from Smart India Hackathon that engages all user types under one web console with different nodes. From Security and Survelliance to Data Analytics, Manthan covers all area that needs reformation from young Innovative minds that will help nation to build systems more secure and scalable without opting foriegn tools. Teams of Department of computer Shortlisted for MANTHAN 2021 Grand Finale. Team of Baviskar jayesh nandalal,Bagul mahendra rajendra, Garunge abhay mohan, Chaudhari mohit meghshyam, Baviskar gaurav rajesh shortlisted under guidance of Mr. Sandip S. Patil. Topic for competition was OCR on Hindi handwritten text. The final competiton held on 8-12-2021 to 10-12-2021. Team won first prize at natinal level.

Winners of (Manthon Hackathon

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Workshop/FDP/STTP Attended

- Akash Waghmare attended one week FDP on Faculty Development Programme on Artificial Intelligence Organised by School of Computer Sciences. KBC NMU Jalgaon during 20-09-2021 to 24-09-2021

- Akash Waghmare attended one week FDP on Faculty Development Programme on Artificial Intelligence Organised by School of Computer Sciences. KBC NMU Jalgaon during 20-09-2021 to 24-09-2021

- Nitin Jagtap attended one week FDP on Faculty Development Programme on Artificial Intelligence Organised by School of Computer Sciences. KBC NMU Jalgaon during 20-09-2021 to 24-09-2021

- Nilima Ramteke attended one week FDP on Faculty Development Programme on Artificial Intelligence Organised by School of Computer Sciences. KBC NMU Jalgaon during 20-09-2021 to 24-09-2021

- Dr. Manoj E. Patil attended one week two week Online Trainging Programme Tw on Cyber Securi-

ty and Forensics organized by NITTTR Chandigarh during 10-11-2021 to 23-11-2021

- Nilima S. Ramteke attended one week FDP on Artificial Intelligence and Machine Learning with Data Science at Babasaheb Naik College of Engineering,Pusad during 14-7-2021 18-7-2021

- Ashish T. Bhole attended one week FDP One Week Online Faculty Development Programme on Recent Trends in Smart Computing Vishwakarma Institute of Information Technology (VIIT), Pune during 18-10-2021 22-10-2021

Result Analysis of December 2020 University Examination

Class	Number of Students Appeared	Number of Students ALL Clear	% of ALL Clear
S.E Comp.	154	147	95.45
T.E. Comp	151	150	99.33
B.E. Comp	151	148	98.01
S.E. IT	73	71	97.26
T.E. IT	84	84	100
B.E. IT	86	85	98.83

S.E. Computer Toppers

Name of the Student	SGPA
JOGI MANSI MOHANRAO (VANDANA)	9.8
SHIRSATH HEMANT PADMAKAR (SADHANA)	9.8
JAWALE MADURA KAMALAKAR (MINAKSHI)	9.65
NIKITA SUMIT HEMNANI (KAJAL)	9.65
MAHAJAN YOGITA VINAYAK (SANGITA)	9.65
MALI BHUSHAN SAMADHAN (SANGITABAI)	9.65
GADHARI JAYESH RAMKRUSHNA (BHARTIBAI)	9.65
BADGUJAR KALYANI RAJENDRA (AASHA)	9.6
DHANDARE RAJESHWARI PRAKASH (VARSHA)	9.6
BAVISKAR NEHA MANOJ (NAYANA)	9.6

T.E. Computer Toppers

Name of the Student	SGPA
LULE YOGINI RAVINDRA (KALPANA)	9.95
BADGUJAR KIRTI JITENDRA (BHARTI)	9.86
PATIL MOHIT MANOJ (CHITRA)	9.86
PATIL SANSKRUTI PRADIP (TRUPTI)	9.86
KANHERE MAHESH PRATAP (MEENA)	9.81
NHALADE CHETAN SUBHASH (JYOTI)	9.81
MALI POOJA DHANRAJ (SUREKHA)	9.81
YEWALE KHUSHABU HEMARAJ	9.81
GOHIL PREM YOGESH (CHITRA)	9.81
MANDORA TEJAS DINESH (MAMATA)	9.81
BAGUL MAHENDRA RAJENDRA	9.76

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B.E. Computer Toppers

Name of the Student	SGPA
BHOJWANI TANNU RAVIKUMAR (SIMRAN)	9.95
TAYADE PRATHAMESH RAVINDRA (ARCHANA)	9.86
WANI SAURABH VINOD (ARCHANA)	9.86
BOROLE TEJAS AVINASH (RAJESHREE)	9.86
JANGID PRASHANT LILADHAR (REKHA)	8.86
SABA FATEMA ARIF KHAN (YASMIN)	8.71
PAWAR KARTIK NANDKUMAR (VAISHALI)	8.67
PINJARI MOHD INSHAL HAROON SHAIKH (FARHAT TABASSUM)	8.67
JANGID ANKIT RAMESHWAR (TARA)	8.67

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S.E. IT Toppers

Name of the Student	SGPA
DUSANE POOJA AMOL (ANITA)	9.65
CHAUDHARI ISHA DHARMENDRA (CHITRA)	9.6
PATIL VAISHNAVI GOPALSING (ANITA)	9.6
PATIL PRASAD PIRAN (SANGITA)	9.6
JAMADAR RAMEEZ MAJIDKHA (MEENA)	9.5
MUKHEDKAR VAIDEHAI RAJESH (RUPALI)	9.5
NIMBALKAR SEJAL ANIL (SMITA))	9.5
PATIL SAYALI ANIL (MALTI)	9.45
PATIL RAKSHA ASHOK (ANITA)	9.4
CHAUDHARI DHANASHRI DILIP (RUPALI)	9.4
BHOI RAJASHRI SUNIL (ANJANABAI)	9.4
PATIL RASHI RAJESH (RAJASHRI)	9.4

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T.E. IT Toppers

Name of the Student	SGPA
KOLHE KANCHAN MURLIDHAR (SAROJ)	9.81
KUCHERIYA MOHIT SANTOSH (SANGITA)	9.81
WANI PRANITA GOKUL (ASHA)	9.76
BIRARI KAILAS RAJENDRA (SAVITA))	9.76
SHIRODE UTKARSH SUNIL (SHOBHA)	9.76
BORSE DHANSHRI SANJAY (BHARATI)	9.71
BURUJWALE AADITYA PRAMOD (SAVITA)	9.71
BHOLE YASH SUNIL (DARSHANA)	9.71
CHAUDHARI LOKESH YADAV (RAJANI)	9.71
PATIL SAYALI HEMANT (PRATIBHA)	9.71
CHAVHAN MAYURI GOKUL (MANISHA)	9.71
DALAL SOURABH DEEPAK (SUNITA)	9.71
KIRANGE MOHIT DNYANDEO (CHHAYA)	9.71
WANI KALPESH ANIL (SUNITA)	9.71
PATIL SHUBHANGINI GANESH (SADHANA)	9.71

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B.E. IT Toppers

Name of the Student	SGPA
SHAIKH M AFFAN MOHD ZUBAIR (FAHEMIDA)	9.86
PATIL AMIT SHRIRAM (ARTI)	9.57
NIKAM HARSHALI SUNIL (VAISHALI)	9.57
BAVISKAR MOHIT SHIVDAS (INDIRA)	9.57
SHRAWAGI SANKET UMESH (ANITA)	8.57
PATIL NARENDRA GOKUL (ANITA)	8.57
PATHAR SHRUTI BIPIN (SHARADA)	8.57
SAPKAL NILESH VILAS (HEMALATA)	8.57
KHAN SAMEER AMANULLAH (SAMIYA BI)	8.57
KASAR SHIVANI RAJENDRA (SHOBHA)	8.57
PATIL SAKSHI PRAVIN (HARSHALI)	8.57

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Newsletter Editorial Committee

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Dinesh D. Puri, Asst. Professor

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Aboli Dinesh Jade, S.E. (Computer)
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