



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	7
2	Hexaware	6.0	1
3	Palle Technologies	5.5	6
3	IBM	4.5	1
Total			15



Smart India Hackathon-2022

Smart India Hackathon, a competition to increase the participation of youth in initiatives such as Digital India and Start-up India, is being organized at the national level. To promote PM's vision of Digital India, developing digital literacy and making development a comprehensive mass movement, MHRD, AICTE, i4c and Persistent system successfully organized the second edition of Smart India Hackathon 2022. The initiative was a huge success in the entire nation. The competition covers all areas of international interests, security of the country, from enemy nation surveillance to data analytics and the challenges faced by Indian intelligence agencies. And in this, such challenges have to be developed to provide technical and effective solution plans through software coding skills, the final round of this competition will be held in online mode from 8th to 10th December, in this round 36 hours of coding will be done continuously, in which the students of the engineering college will create a more secure and scalable system using their coding skills and Indian made technology. SIH2022 competition is being implemented in 5 steps, which mainly focused on evaluation and interaction between the teams, in the first round all the participating teams had registered to reach out to the startup, after registration all the teams presented their respective concepts, this stage was only to ensure the quality and domain, then the successful teams were selected, The selected teams submitted their ideas, designs, technical aspects and presentations on the submission panel. Later, the critics selected the teams for the final round by examining and evaluating them, the final round of the tournament had two stages, in which the

critics evaluated the system by giving their real-time data input in an online manner and asked the team to make changes to the system in due course. Final Competition held on 25 -26 August 2022. Four teams from Computer Department shortlisted for final competition. First team implemented project on topic App for Registration of Persons with Disabilities Under ADIP Schemes at Shri Ishwar College of Engineering, Coimbatore Tamil Nadu. Second Team implemented project on Develop an IT enabled framework or Mechanism through which a person can give tip-off about any suspicious activity or Crime to authorities at Puducherry. Third Team implemented project on Create a system to recognize and Understand local dialect by Computer or other IT device to deliver voice at Jay Bharat College of Management and Engineering Technology, Perumbavoor, Kerala. Fourth team implemented project on Development of a system to transliterate regional language text into Hindi or English using machine learning algorithms at KIT College of Engineering, Kolhapur, Maharashtra.



Hackathon 2022 Participants



Faculty Publication

- Mr. P. H. Zope published a paper on Stock Price Prediction using Machine Learning in Python in IJSSBT, ISSN. 2277-7261, September 2022, Vol.9, Issue 1
- Mr. N. P. Jagtap and Dr. K. P. Adhiya published a paper on Data Sanitization Techniques in SAM-RIDDHI Journal of Physical Science and Technology ISSN. 2229-7111 in December 2022 Vol. 14 Issue. 2, 1-6
- Dinesh D. Puri and Dr. G. K. Patnaik, published a paper titled Effective Data Alignment And Key Extraction Techniques For Generation Of Regular Expressions Using Machine Learning Techniques, in Journal of Theoretical and Applied Information Technology, E-ISSN 1817-3195 , ISSN 1992-8645, Vol. 100 September 15, 2022 Issue 17, SCOPUS Indexed
- Dinesh D. Puri and Dr. G. K. Patnaik, published a paper titled Minimize The Spreading of Fake News and Forming Fake User Groups, in Journal of Theoretical and Applied Information Technology, E-ISSN 1817-3195 , ISSN 1992-8645, Vol. 100 September 15, 2022 Issue 17, SCOPUS Indexed
- Dr. Krishnakant Adhiya and Patil Shweta presented paper on Comparative Study of Feature Engineering for Automated Short Answer Grading , in IEEE World Conference on Applied Intelligence and Computing International 594-597 Aug. 2022.
- Mr. N. P. Jagtap Dr. K. P. Adhiya presented paper on Techniques for Data Sanitization on Transactional Datasets using Association Rule Hiding , in International Conference on International Conference ICDTSDG22 Dec. 2022.

NAAC Accreditation

The NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL, NAAC conducts assessment and accreditation of Higher Educational Institutions such as colleges, universities or other recognised institutions to derive an understanding of the Quality Status of the institution.

Education plays a vital role in the development of any nation. Therefore, there is a premium on both quantity and quality of higher education. The NAAC has been set up to facilitate the volunteering institutions to assess their performance vis-a-vis set parameters through introspection and a process that provides space for participation of the institution.

NAAC Peer team visited SSBT COET College during 4-5 August 2022. During visit NAAC Peer team visited Department of computer Engineering, interacted with Teachers and Students. The College is A Grade Accredited.



NAAC Accreditation Certificate

Aptitude and Soft skill Training Module

Aptitude and Soft skill Training was organized for Computer engineering students during 14 September 2022 to 15 October 2022. In this training 190 students have participated. It includes Quantitative aptitude, Reasoning, English, Company specific training, doubt clearing session, mock discussion, more than 2500 mock test and section test (English and Reasoning/Quant). It includes Technical Programming Fundamental: Data types, Operators, Data Types and Its methods, Methods login im-

plementation, Loops, Arrays, modules, Functions, logic building, lambda functions.

Technical Competitive programming Questions: Object oriented Programming, Class, Object, Method, Inheritance, Polymorphism, Data Abstraction, Encapsulation, Data structure, Linear and Non Linear DSA, Algorithms and its implementations, Intro DP DBMS, Sql Queries, NO Sql. join and inner join transaction. ■

Workshop/FDP/STTP Attended

- Mr. Akash Dnyaneshwar Waghmare attended 12 Week Course on Introduction to Machine Learning Organised by IIT Madras during July 2022 to October 2022
- Ms. Dhanshree Tayade attended 12 Week Course on Introduction to Machine Learning Organised by IIT Madras during July 2022 to October 2022
- Dr. Dnyaneshwar Kirange attended Online webinar on Innovation and Entrepreneurship Organised by Dr. Babasaheb Marathwada University, Aurangabad during 20-08-2022
- Dr. Dnyaneshwar Kirange attended ONLINE COURSE on Geo-data sharing and Cyber Security Organised by IIRS Nodal Centre- Government Polytechnic, Jalgaon during 17-10-2022 to 21-10-2023
- Dr. Dnyaneshwar Kirange attended ONLINE COURSE on Basics of Remote Sensing, Geographical Information System and Global Navigation Sa-

tellite System Organised by IIRS Nodal Centre- Government Polytechnic, Jalgaon during 22-08-2022 to 25-11-2023

- Dr. Dnyaneshwar Kirange attended AICTE Recognized one week FDP on Energy Harvesting and Storage Materials and Devices Organised by Applied Science Department NITTTR, Chandigarh, Jalgaon during 12-09-2022 to 16-09-2023
- Dr. Dnyaneshwar Kirange attended AICTE Recognized one week FDP on Open Source Technologies Organised by Computer Science and Engg. Department NITTTR, Chandigarh during 17-10-2022 to 21-10-2023
- Dr. Dnyaneshwar Kirange attended AICTE Recognized one week FDP on Data science using Python Organised by Computer Science and Engg. Department NITTTR, Chandigarh during 10-10-2022 to 14-10-2023

Result Analysis of December 2022 University Examination

Class	Number of Students Appeared	Number of Students ALL Clear	% of ALL Clear
T.E. Computer	151	115	76.16
T.E. IT	74	70	94.16
B.E. Computer	150	127	84.67
B.E. IT	84	63	75



T.E. Computer Toppers

Name of the Student	SGPA
DHANDARE RAJESHWARI PRAKASH	8.86
BADGUJAR KALYANI RAJENDRA	8.76
RAJ KESHAV (PRITI SINGH)	8.71
DARA JAYA ATTAMKUMAR (REKHA)	8.67
DINGANA DISHA DILIP (HARSHA)	8.67
MORE NIKITA VITTHALSING (ANITA)	8.67
PANDEY SUMIT PRAMOD (MANJU)	8.62
NIKITA SUMIT HEMNANI (KAJAL)	8.57
NEMADE CHETANA KHUSHAL	8.52
TALELE PRADNYA DILIP (ROHINI)	8.52



T.E. IT Toppers

Name of the Student	SGPA
PATIL RAKSHA ASHOK (ANITA)	8.71
DHAKE PRIYA DIPAK (MANGALA)	8.71
PATIL ASHWINI SUNIL (USHA)	8.57
PATIL SAYALI ANIL (MALTI)	8.57
CHAUDHARI DHANASHRI DILIP (RUPALI)	8.52
DUSANE POOJA AMOL (ANITA)	8.48
BHOI RAJASHRI SUNIL (ANJANAI)	8.43
SALUNKE DISHA RAVINDRA (SAUSUNITA)	8.43
CHAUDHARI ISHA DHARMENDRA(CHITRA)	8.43
CHAUDHARI HARSHADA CHARUDATTA(SUJATA)	8.43



B.E. Computer Toppers

Name of the Student	SGPA
PATIL MOHIT MANOJ (CHITRA)	9.57
SUPE RAJASHREE GOPAL (VARSHA)	9.43
BADGUJAR KIRTI JITENDRA (BHARTI)	9.38
MORE ASHWINI NITIN (NEHA)	9.38
TORAWANE SUDESHANA PANDIT (VAISHALI)	9.38
DEORE NAMRATA JAGADISH (HARSHADA)	9.38
PATIL SNEHAL KISHOR (PUSHPANJALI)	9.29
MAHAJAN CHETAN JAYRAM (KAVITA)	9.29
CHAUDHARI MAHIMA SURYAKANT(ARCHANA)	9.29
PATIL GAYATRI ATUL (POONAM)	9.29
LULE YOGINI RAVINDRA (KALPANA)	9.24



B.E. IT Toppers

Name of the Student	SGPA
WANI PRANITA GOKUL (ASHA)	9.29
AMRUTKAR ANUJA SUNIL (SMITA)	9.14
KIRANGE MOHIT DNYANDEO (CHHAYA)	9.1
PATIL KOMAL NANDKISHOR (MANISHA)	9
SHIRODE UTKARSH SUNIL (SHOBHA)	9
BURUJWALE AADITYA PRAMOD (SAVITA)	9
BORSE DHANSHRI SANJAY (BHARATI)	8.95
SARODE SWATI VASUDEO (SWAPNA)	8.95
PATIL KISHORI VIJAY (VAISHALI)	8.86
KOLHE KANCHAN MURLIDHAR (SAROJ)	8.81



Newsletter Editorial Committee

Newsletter Editor-in-chief:

Dr. Manoj E. Patil, HoD

Newsletter Editor:

Dinesh D. Puri, Asst. Professor

Members:

Abhay Garunge, B.E. (Computer)
Aboli Dinesh Jade, T.E. (Computer)
Jayesh Vijay Patil, T.E. (Computer)
Divya Kasar, S.E. (Computer)



Contact Details

SSBT's College of Engineering & Technology,
Bambhori, Post Box No. 94, Jalgaon - 425001 (M.S.)
Tel.: 0257 - 2258393 / 94 / 95
Fax: 0257 - 2258392
Email: patil.manoj@sscoetjalgaon.ac.in
Website: www.sscoetjalgaon.ac.in

