Newsletter

Vol. - XVII, Issue - I, January 2024 - June 2024

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

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

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

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	Santronix Sol. Jalgaon	3.00	2
2	Profound Edutech, Pune	2.6	3
3	Eaglebytes Sol. Nasik	2.4	4
4	Dhoot Transmission Sambhajinagar	2.0	20
5	Networcx, Pune	2	2
6	Qspiders	2.8	15
7	Pentagon Space, Pune	2.8	3
8	Cyber success pune	2.5	5
Total			54

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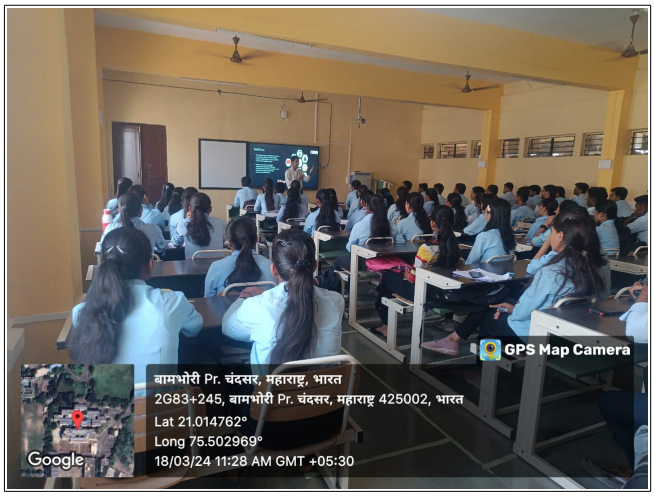
Add on Program

department every semester to bridge the gap between the academic and industry life and needs. Add-on-Course is conducted regularly at our department, where students learn technologies and necessary soft skills apart from the syllabus. The main purpose of the Add-on-Course is supplementing the curriculum with recent technologies and necessary skills to make students better prepared to meet industry demands as well as develop their own interests and aptitudes. Objectives: -

- To enhance knowledge of students in resent technologies and software.
- To increase programming for problem solving capabilities of students.
- To boost the competency and relevance of student's credentials as a professional.
- To enrich the communication skills to the need of industry.
- Introducing the students to the all over achievements of our nation.

Department of Computer Engineering organized a technical and soft skill Add-on-Course from March 18th 2024 Monday to March 20th 2024 Wednesday on Ethical hacking, Data analytics with tableau, Embedded System and Design, Core Java with OOPs Concept, Introduction to Programming and IT Culture, Soft Skills.



Add On Training

Faculty Publication

- Ashish T. Bhole, Dr. Girish Kumar Patnaik published a paper on Mobility Models in Opportunistic Network: A Review International Journal of Innovations in Engineering and Science (IJIES), ISSN:2456-3463, April 2024 Volume 9 Issue 4.
- Dr. D. K. Kirange, Kishan P. Patel, J?tendra P. Chaudhari, Hiren K. Mewada, Hardik S. Jayswal, Rajeshkumar V. Patel Charusat Space Research and Technology Centre Prince Mohammad Bin Fahd University, Al Khobar, Kingdom of Saudi Arabia Devang Patel Institute of Advance Technology and Research Charotar University of Science and Technology, Gujarat, India, Shortest Path Forwarding in Software-Defined Networks Using RYU Controller SSRG International Journal of Electrical and Electronics Engineering, ISSN:2348-8379, May 2024 Volume 11 Issue 5.
- Dr. Manoj E. Patil, B. B. Sharharkar, D. P. Pandit published a paper on Department of Information Technology, Walchand Institute of Technology, Solapur, 413006, Maharashtra, India, Enhancing Cyber-Attack Detection in Cloud Computing Environments using Deep Learning Models Journal of Technolgy Volume 12 Issue 5, ISSN:10123407, May 2024.
- Dr. K. P. Adhiya, Dhiraj G. Agrawal, Paresh J. Shah published a paper on Department of Electronics and TelecommunicationEngineering, KBCN-MU, Jalgaon. Mitigation Technique to Reduce Effect of Electromagnetic Field Radiation From Cellular Wireless System on SD Rats Mukt Shabd Journal, ISSN:2347-3150, June 2024 Volume 13 Issue 6.
- Dr. K. P. Adhiya, Dhiraj G. Agrawal, Paresh J. Shah published a paper on Department of Electronics and TelecommunicationEngineering, KBCN-MU, Jalgaon. Effects of Electromagnetic Field Exposure on Brain Tissue of SD Rats From Cellular Wireless System SCIENXT Journal of Electrical and Electronics Communication SJEEC May-Aug, 2024 Volume 2 Issue 2.
- Dr. A. D. Waghmare, Dr. Girish Kumar Patnaik published a paper on SURVEY ON MALWARE THREATS AND DETECTION TECHNIQUES FOR MOBILE DEVICES Journal of Xidian University, ISSN:1001-2400, May 2024 Volume 18 Issue 5.

Conferences Attended

- Dr Manoj E Pati presented paper on Securing the chsin: Investigating the Anamolous activities and Threat Mitigation in Bitcoins Blockchain Ecosytem in International Conference on Rescent Trends and Advancement in Computing Technologies ICRTACT-202425-26 April 2024

- Dr. K. P. Adhiya, Shital A. Patil presented paper on Advancing Advancements:State-of-the-Art Tools for Simulation and Analysing VANET , 4th International Conference on Advances in Engineering, Technology and Business Management ICAETBM-2024.

- Dr. Krishnakant P. Adhiya, presented paper on A Comprehensive Study on VANET Routing Protocol in The 4th International Conference on Computer Vision and Robotics (CVR 2024), SYMBIOSIS Skills and Professional University, Pune. 25-26 May 2024.

- Dr. D.K.Kirange, presented paper on Towards Automated Lip Reading Developing Marathi Lip Reading Datasets and Neural Network Frameworks in The 4 th International Conference on Intelligent Technologies CONIT 2024, 21-23 June 2024

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Result Analysis of May 2023 University Examination

Class	Number of Students Appeared	Number of Students ALL Clear	% of ALL Clear
S.E Comp.	**213**	**185**	**85.86**
T.E. Comp	**217**	**211**	**97.23**
B.E. Comp	**144**	**141**	**97.92**
B.E. IT	**74**	**69**	**93.24**

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S.E. Computer Toppers

Name of the Student	SGPA
DHAKE NISHA PARIKSHIT (KOKILA)	8.97
MAHAJAN BHAGYASHRI SANJAY (PAPILA)	8.77
PATIL AAKANKSHA PRAMOD (PRATIBHA)	8.65
PATIL DHANASHRI KAILAS (RINA)	8.65
FULE KUSH BHARAT (SANGITA)	8.63
PATIL GAYATRI SHARAD (MANISHA)	8.62
UBARHANDE DIVYA SANDIP (JYOTI)	8.62
MAHAJAN CHINMAYI HEMANT (ROHINI)	8.57
PATIL DIVYA MAHESH (SHITAL)	8.53
PATIL VEDIKA EKNATH (ANITA)	8.5

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T.E. Computer Toppers

Name of the Student	SGPA
PATIL DURGESHWARI LOTAN (NILIMA)	9.19
NIKAM NIKI SANDIP (BHARATI)	9.08
SATAV UNNATI RAJENDRA (ASHA RAJENDRA SATAV)	9.04
SHAIKH LUIZA MAHIN WAJID (NASRIN BANO)	9.00
PATIL KALYANI GAJANAN (SUVARNA)	8.97
RAYAPURE ARATI SHRIKRUSHNA (SANGITA)	8.97
PATIL UNNATI RAVINDRA (ANURADHA)	8.92
VAIDYA YAYATI KISHOR (BHARTI)	8.91
GIRASE JASVANTSING KARANSING (MANISHA)	8.89
PATIL MANASI GAJANAN (PRITI)	8.83

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B.E. Computer Toppers

Name of the Student	SGPA
NIKITA SUMIT HEMNANI (KAJAL)	9.40
DARA JAYA ATTAMKUMAR (REKHA)	9.35
DHANDARE RAJESHWARI PRAKASH (VARSHA)	9.26
MAHAJAN YOGITA VINAYAK (SANGITA)	9.22
MAHAJAN REKHA RAJU (SARALA)	9.19
BAVISKAR NEHA MANOJ (NAYANA)	9.17
SHIRSATH HEMANT PADMAKAR (SADHANA)	9.16
BAVISKAR LINA SHAMKANT (MANGLABAI)	9.16
SNEMADE CHETANA KHUSHAL (SHAILA)	9.15
RAJ KESHAV (PRITI SINGH)	9.15

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B.E. IT Toppers

Name of the Student	SGPA
PATIL RAKSHA ASHOK (ANITA)	9.43
PATIL ASHWINI SUNIL (USHABAI)	9.43
BHOI RAJASHRI SUNIL (ANJANABAI)	9.33
DUSANE POOJA AMOL (ANITA)	9.24
CHAUDHARI HARSHADA CHARUDATTA (SUJATA)	9.14
PATIL NEHA CHHAGAN (JAYSHRI)	9.14
CHAUDHARI ISHA DHARMENDRA (CHITRA)	9.1
DHAKE PRIYA DIPAK (MANGALA)	9.1
SALUNKE DISHA RAVINDRA (SAU SUNITA)	9.1
SALUNKE DISHA RAVINDRA (SAU SUNITA)	9.05
CHAUDHARI DHANASHRI DILIP (RUPALI)	9.00

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Newsletter Editorial Committee

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