# Newsletter

**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 t h e 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, Humani- ties, 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 mo- deling to complex engineering activities with an understanding of the limitations.

- The engineer and society: Apply reasoning infor- med by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the con- sequent 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

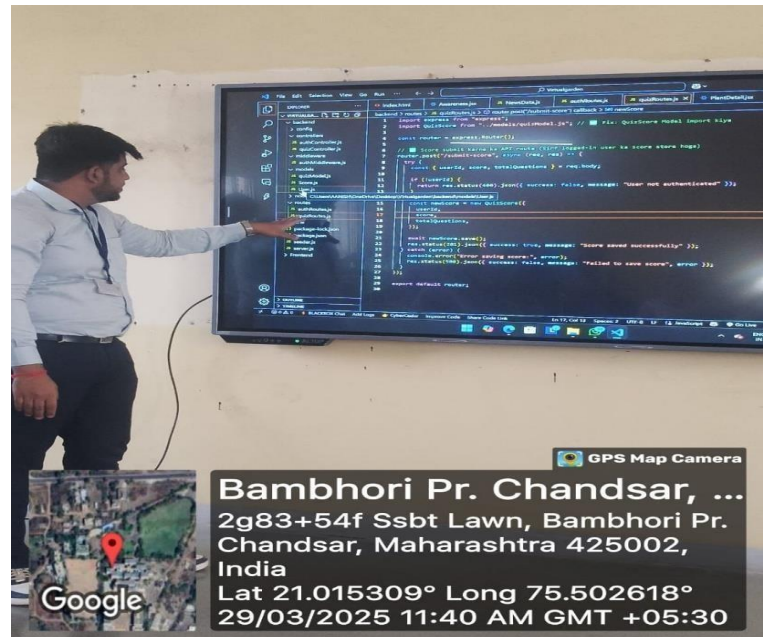| Sr. No | Name of Company | No of Students selected |
|--------|-----------------|-------------------------|
| 1 | Networx Technologies | 6 |
| 2 | Qspider, pune | 37 |
| 3 | Santronix Software Services, Jalgaon | 1 |
| 4 | ExcelR Edtech Pvt. Ltd., Pune | 7 |
| 5 | Cybersucess Pune | 8 |
| 6 | Profound Edutech Pvt. Ltd., Pune | 3 |
| 7 | Yash Tecnologies, Indore | 1 |
| 8 | Fortune Cloud Technologies, Pune | 2 |
| 9 | Pristine It code Pvt. Ltd., Mumbai | 4 |
| Total | | 69 |

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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 27/03/2025 to 28/03/2025 Thursday on 27/03/2025 and 28/03/2025 third year and final year Students has taken part in Add-On Session Activity Conducted by Department on Every semester. On 27th march 2025 Final year Students have presented their projects demonstration and ppts Infront Of the third-year students. Third year students have given their project Demonstration and ppts explanation Infront of second year students**.**

# Freshers Party For First Year Engineering Students

Second Year Engineering Students organized freshers party or welcome program for the first year engineering students on 26th October 2024.





Department of Computer Engineering, SSBT's College of Engineering & Technology, Bambhori, Jalgaon, M.S.

# Workshop on Data Analytics and Techniques

The workshop on Data Analytics and Techniques were conducted by Dr. S. P Ramteke(Asso Prof) and Mrs. Ashwini A. Kakade (Assi. Prof) from August 2024 to October 2024(3 months) at class room no 114 and 115, Computer Engineering Department, SSBT COET, Bambhori, Jalgaon.
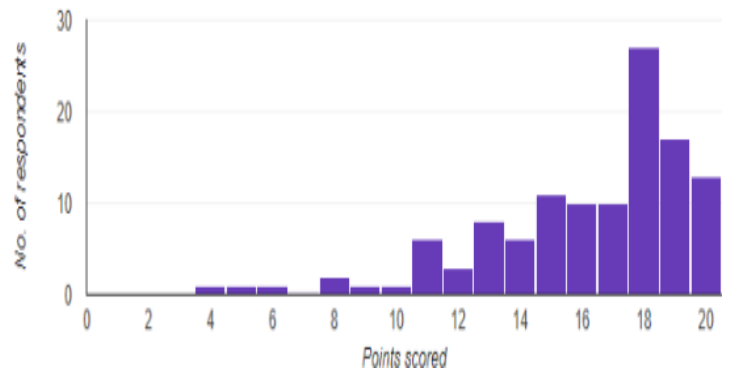
**Aim / Purpose**: - The "Data Analytics and Techniques" course equips students with essential skills to analyze, interpret, and visualize data using Python and Tableau, enabling data-driven decision-making and problem-solving across diverse fields.

**Objective:-** ▢ Understand and apply Python programming concepts for data analysis.

- Utilize Python libraries such as Pandas, Matplotlib, and NumPy to manipulate and visualize data.

- Grasp the fundamentals of data structures and modular programming in Python.

- Explore and use Tableau for creating interactive dashboards and performing data-driven analysis.

- Develop hands-on experience through a case study involving real- world business data to gain actionable insights and support strategic decisions.
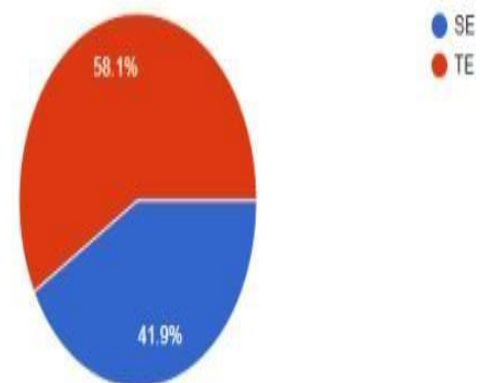Participant's Profile**:-** Students of Computer Engineering Department.

**Outcomes**:- The Data Analytics and Techniques quiz session engaged 116 students, showcasing their knowledge and enthusiasm for data analytics. The event fostered analytical thinking, collaboration, and practical application of Python, data visualization, and Tableau.
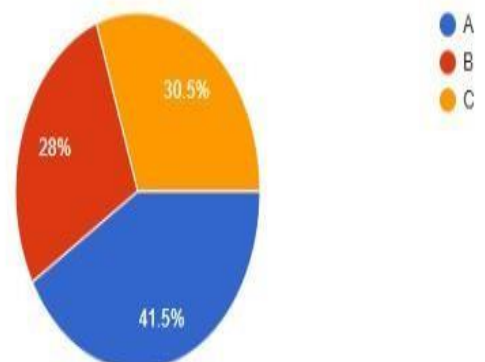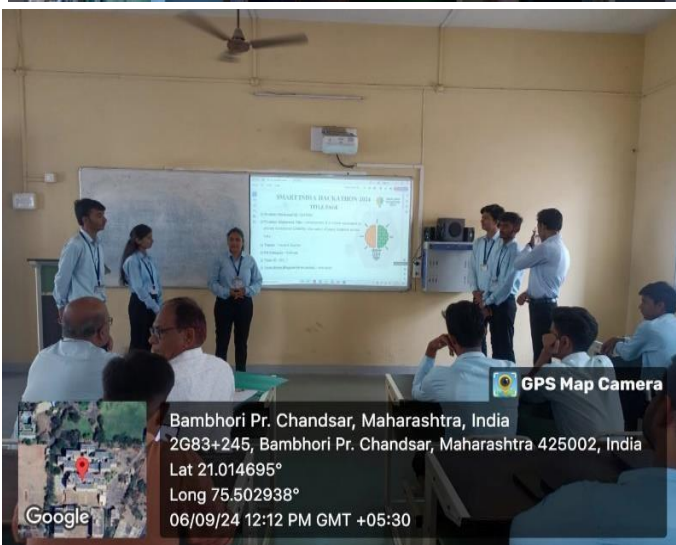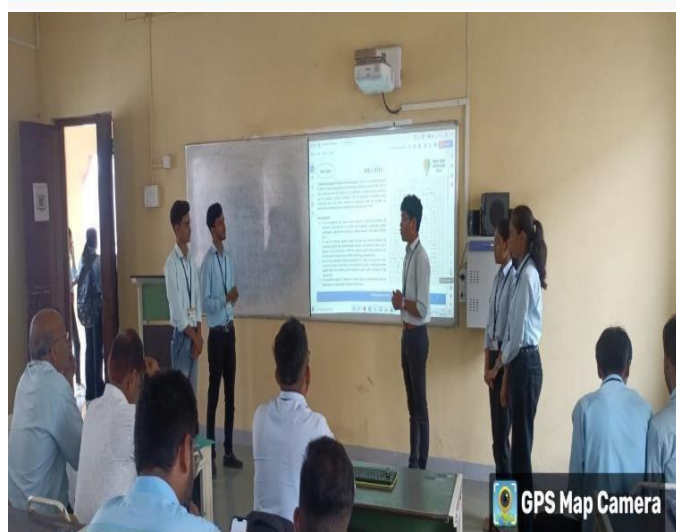
## Feedback:-



Class

117 responses



- SE
- TE

58.1%

41.9%

Section

118 responses



- A
- B
- C

30.5%

28%

41.5%

# • Smart India Hackathon

| Competition/Event | Level | Number of Participants (Students) | |
|---|---|---|---|
| | | Students | faculty |
| Avishkar - 2024 | Phase I (District) | 69 | 2 |
| | Phase II (University) | 14 | 1 |
| Avishkar - 2024 | State Level | 1 | 1 |
| Hackathon - 2024 | College | 250 48 Groups | -- |
| Hackathon - 2024 | State | 12 | -- |
| IBM Skill Build- 2025 | State | 4 | -- |
| Dipex - 2025 | State Level | 2 Groups | -- |

# Faculty Publication

- Prof. Dr. K. P. Adhiya, Shital Nana Patil, Hitendra D. Patil, Prashant G. Patil published a paper on Densenet-201 for Skin Melanoma Classification: A Comprehensive Performance Evaluation and Analysis, International Research Journal of Multidisciplinary Scope (IRJMS), ISSN (O):2582-631X, on October 2025.
Volume: 5, Issue: 4.

- Dr. K. P. Adhiya, Mayur Jagdish Patil, published a paper on Secured VANET: an improved COOT-algorithm-based optimal routing protocol with multiple authentication and fake message detection for secure data transmission, Wireless Network, The Journal of Mobile Communication, Computation and Information on March 2025. Volume: 31, Issue: 3.

- Dr .A.D. Waghmare, Niki Nikam published a paper on Group Face Recognition System on International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930 on April 2025.  Volume: 09, Issue: 04.

- Dr. P. H. Zope, Manisha K. Bhole published a paper on Review on Advanced Automation Using Artificial Intelligence, Machine Learning and Deep Learning on International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930 on Mar 2025. Volume: 09, Issue: 03.

- Dr. P. H. Zope, Punam J. Patil published a paper on Predictive Maintenance: Evolution, Purposes and Approaches for Industrial Systems - A Comprehensive Review, International Journal of Scientific Research in Engineering and Management (IJSREM), ISSN: 2582-3930 on Mar 2025. Volume: 09, Issue: 03.

# Result Analysis of July 2024 University Examination

| Class | Number of Students Appeared | Number of Students ALL Clear | % of ALL Clear |
|---|---|---|---|
| S.E  Comp. | 241 | 99 | 41.08 |
| T.E.  Comp | 205 | 180 | 87.80 |
| B.E.  Comp | 218 | 193 | 88.53 |
| B.E. IT | 74 | 69 | 93.24 |

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# S.E. Computer Toppers

| Name of the Student | SGPA |
|---|---|
| PATIL JAYASHREE GAJENDRA(JYOTI) | 8.97 |
| GAYATRI VIVEKANAND BAGUL | 8.95 |
| SONAWANE NIKITA DNYANESHWAR | 8.75 |
| BADGUJAR PRANJAL LALIT(RUPALI) | 8.75 |
| CHAUDHARI VAISHNAVI SHIVNATH(VIDYA) | 8.65 |
| PATIL MEGHA MANOJ(SUVARNA) | 8.65 |
| JADHAV TANUJA GUNWANT(SUNITA) | 8.60 |
| MAHAJAN BHUMIKA DILIP(ANITA) | 8.60 |
| BADGUJAR BHAGYASHRI MAHESH(AASHA) | 8.50 |
| DHANDE LINA SUNIL(SONALI) | 8.45 |

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# T.E. Computer Toppers

| Name of the Student | SGPA |
|---|---|
| JADHAV ANJUSHA JAGDISH(ARCHANA) | 8.90 |
| PATIL DHANASHRI KAILAS(RINA) | 8.81 |
| KHAN MOHD FAIZ ZAFAR(TARANNUM BANO) | 8.76 |
| PATIL GAYATRI SHARAD(MANISHA) | 8.71 |
| SALUNKHE KOMAL ANIL(YASHODA) | 8.71 |
| SONAWANE AJAY DEVIDAS(RATNA) | 8.71 |
| PATIL DIVYA RITESH(SUREKHA) | 8.67 |
| DHAKE NISHA PARIKSHIT(KOKILA) | 8.67 |
| MAHAJAN BHAGYASHRI SANJAY(PAPILA) | 8.62 |
| BHOI SAI SANTOSH(SUNANDA) | 8.62 |

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# B.E. Computer Toppers

| Name of the Student | SGPA |
|---|---|
| SHAIKH LUIZA MAHIN WAJID(NASRIN BANO) | 9.86 |
| NIKAM NIKI SANDIP(BHARATI) | 9.71 |
| SATAV UNNATI RAJENDRA(ASHA RAJENDRA SATAV) | 9.48 |
| PATIL UNNATI RAVINDRA(ANURADHA) | 9.48 |
| PATIL BHUVANESHWARI SHIVKUMAR(ANITA) | 9.48 |
| MAHAJAN MIRAJ PRADIP(JYOTI) | 9.43 |
| PARMAR MEHUL PANKAJ(DAKSHA) | 9.43 |
| PATIL MANASI GAJANAN(PRITI) | 9.33 |
| PATIL KALYANI GAJANAN(SUVARNA) | 9.33 |
| CHAUDHARI EKATA RAJESH(MANISHA) | 9.29 |

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# Newsletter Editorial Committee

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Assistant Professor

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