



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 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.

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 | 24 |
| 2 | Advanced India | 6.00 | 1 |
| 3 | WIPRO | 3.5 | 19 |
| 4 | Capgemini | 4.0 | 25 |
| 5 | Inexture | 3.76 | 3 |
| 6 | Accrion Labs, Pune | 3.25 | 1 |
| 7 | CMRIT Solutions | 5.0 | 1 |
| 8 | Mindtree | 4.00 | 4 |
| 9 | Byjus | 2.0 | 1 |
| 10 | AtoS Syntel | 3.4 | 4 |
| 11 | Infosys | 3.6 | 13 |
| 12 | Hexaware | 3.5 | 3 |
| 13 | Zensar Technologies | 3.2 | 14 |
| 14 | Cyber Sucess | 2.0 | 5 |
| 15 | Santronix Computers | 1.5 | 2 |
| 16 | Sankey Solutions | 2.0 | 1 |
| 17 | Palle Technologies | 2.4 | 10 |
| 18 | Morgan Stanley | 6.0 | 1 |
| 19 | Siddhatech Softwares | 3.5 | 13 |
| 20 | NTT Data Global | 5.0 | 1 |
| 21 | Pentagone Space | 2.4 | 2 |
| 16 | MSys Tech India | 4.0 | 4 |
| 17 | Nagarro Software | 4.5 | 4 |
| 18 | Dhoot Transmissions | 1.4 | 20 |
| 19 | Bitwise | 4.0 | 2 |
| 20 | Persistent | 3.0 | 1 |
| 21 | VMWare India | 20 | 1 |
| 22 | Qspiders | 2.5 | 1 |
| 23 | Renault Nissan | 4.25 | 1 |
| Total | | | 184 |

Achievements In Sports

The computer Engineering Department encourage students to participate in extra curricular activities along with their studies. Every year student participate in university level, state national sport competition Purnima Sanjay Drakshe, Last year Computer Engineering students Won Silver medal in Woman Double event in MiniGolf . This competition Was held at Suresh Ghyan Vihar Jaipur Rajasthan, on April 20,2022 she got Second Rank in all over Maharashtra. Yash Ganesh Shelke (TE B) have participated as a player in the 8th JPL All India Talent-10 Cricket Tourna-

ment 2022 and secured 1st rank in it. It was organised by Talent-10 Cricket Association, Maharashtra. Which was held at M.K. Sports ground Jalgaon during May 18 to 21, 2022



Yash Shelke



Pournima Drakshe

Farewell and Fresher Function

As we intentionally say goodbye, think of ways you can give students a sense of purpose through making meaning of their hardships and accomplishments. Empower them by reminding them of the skills and strengths they possess. These things help combat the loss and stress experienced by students and instructors alike

Farewell Function was organized by Computer Engineering Department under the students Association ie COE-SA on 24 April 2022 at college parking area.

In an emotionally surcharged atmosphere at college parking area, the students, and staff of Computer Engineering Department farewell to the final year students of 2022 batch. The Principal, Dr. G. K. Patnaik addressed the students and gave best wishes for their bright future. Total 436 students of TE and BE were present for the same.

To welcome first year students fresher fuction was arranged by second year students on 7 may 2022. Principal Dr. G. K. Patnaik addressed the students and underlined opportunities in computer field.

Head of Computer department Dr. Manoj Patil welcomed all students and guided them about campus interviews.

350 students of FE and SE were present for the same.



BE Computer



BE IT

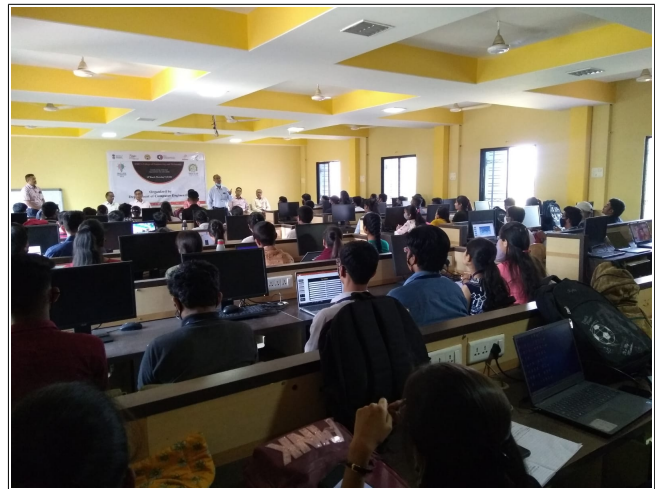
Internal Hackathon-2022

As per the guidelines of SIH2022 team, Top fifteen teams (10 nominated + 5 waiting from software and Hardware Edition) should be nominated by the College for final Smart India Hackathon Competition.

Computer department conducted Internal Hackathon on 10th March, 2022 for which 20 team participated from all the departments. Judges for the Internal Hackathon were Dr. S.A Thakur, Dr. V.R. Dhiware, Dr. Vishal Rana, and Dr. Kiran Patil.

Evaluation criteria was based on Novelty of Idea,Complexity, Clarity and details in prescribed format, Feasibility, Practability, Stainability, Scale of impact,User experience and Potential for future work progression.

Based on above criteria, top 10 teams and 5 waiting teams from software edition and hardware edition were short listed for final Smart India Hackathon 2022 competition.



Internal Hackathon 2022



Faculty Publication

- Dr. P. H. Zope Published paper on Performance Improvement of High Voltage Power Supply Using Flyback Converter with extra high tension in IJS-SBT, Vol 8 No 2, July-Dec 2021 Print: 2277-7261 — Online: 2278-3857 published in January 2022
- Mr. Sandip Patil published paper on Use of Class Dependent Features in KNN Classifier for the Classification of Encrypted Data in International Journal of Scientific Research in Science, Engineering and Technology ISSN: 2394-4099 vol 9 Issue 2 published in Feb 2022
- Dr. Manoj Patil, Ms. Tejashree Patil Presented paper on Apriori Algorithm against Fp Growth Algorithm: A Comparative Study of Data Mining Algorithms in 7th International Conference on Inovations and Research in Technology and Engineering ICIRTE-2022 dring 8-9, April 2022
- Dr. K. P. Adhiya, Mr. Nitin Jagtap Presented paper on Data Sanitization Techniques for Transactional Datasets usnig Association Rule Hidimg Techniques in 7th International Conference on Recent Advances in Materials, Manufacturing and Machine Learning RAMMML-2022 dring 26-27, April 2022
- Mr. Dinesh Puri, Dr. G. K. Patnaik Presented paper on Regular Expression based Text Classification using mSVM and Machine Learning Techniques in 2nd International Conference on Smart Data Intelligence ICSDMI 2022 during 11-12, April 2022
- Mr. Aakash Waghmare, Dr. G. K. Patnaik Presented paper on Social Media Fake News Detection using mNB in Blockchain in International Conference on Sustainable Computing and Data Communication Systems ICSCDS during 7-9, April 2022



Grant Received

Mr.Sandip S. Patil, Received financial assistance of Rs. 2,50,000 :Rupees: Two Lakhs Fifty Thousand for this research project under the scheme, Rajiv Gandhi Science

and Technology Commission RGS and TC, Government of Maharashtra, through Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon. ■

INNOHACKS 2022 Hackathon

INNOHACKS is an annual hackathon organized by InnoGeeks at the KIET Group of Institutions, Delhi-NCR, Ghaziabad. It aims at bringing talented young minds together to celebrate their technical passion and build exciting projects. This time InnoHacks is organized in hybrid mode both online and offline.

Team of Sharau Mahendra Banait, Rushikesh Vilas Wagh, Mahesh Pratap Kanhere, Mahendra Rajendra Bagul shortlisted under guidance of Mr. Sandip S. Patil. Topic for competition was Sanskrit handwritten text. The final competition held on 15-5-2022 to 16-5-2022. ■

MILESTONE2K22

The MILESTONE is a technical event organized by our institute every year since 2004-05. This event drives the different activities such as Paper Presentation, Poster Presentation, and different departmental activities.

The main purpose of organizing various events under MILESTONE is to provide platform to the students from various disciplines such as Engineering, Pharmacy and Management, etc. It needs to bring diversified disciplines to come at a common platform to exchange their expertise, express their ideas, and share their knowledge, experiences and to evolve the track for navigating the innovative thinking. The MILESTONE-2K22 was the firm step for navigating the future ideas.

SSBT's College of Engineering and Technology, Bambhori, Jalgaon has organized the technical event MILESTONE-2K22 on 19-04-2022. Various events like Creativepreneur, CARNIVAL: Fun of Marketing, Career to Corporate, Googler, Codethon, Creator, Innovator: Best From

Waste, Model Making, Poster Presentation, Scavenger Hunt were organized in it. 200 students of Computer department were participated in MILESTONE-2K22



Milestone2k22: Computer Department

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Workshop/FDP/STTP Attended

- Dhanashree S. Tayade attended two week STTP on Recent Trends in Machine Learning and Data Science Organised by AICT-ISTE, College of Engineering and Technology, Akola during 18-01-2022 to 28-01-2022
- Dr. Pankaj zope attended 8 week NPTEL Course on Data Science for Engineers Organised by IIT Madras during 1-02-2022 to 1-04-2022
- Surendra Ramteke attended 8 week NPTEL Course on Data Science for Engineers Organised by IIT Madras during 1-02-2022 to 1-04-2022
- Amol Wani attended one week FDP on Emerging Trends in Green Energy Technologies Organised by AICTE Training And Learning (ATAL) Academy and Government Polytechnic Gondia during 21-02-2022 to 25-01-2022
- Atul Karode attended 30 hour online course on data science Organised by UdeMy Acedamy during 6-04-2022 to 5-05-2022
- Amol Wani attended 30 hour online course on The Data Science Course 2022: Complete Data Science Bootcamp Organised by UdeMy Acedamy during 6-04-2022 to 5-05-2022
- Dr. K. P. Adhiya attended one week FDP on Data Science Organised by PCET's Pimpri Chinchwad COE and Reserch, Ravet, Pune during 19-04-2022 to 25-04-2022

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KCIIL-KBCNMU Centre Innovation Projects

KCIIL-KBCNMU Centre for Innovation, Incubation and Linkages KCIIL is established at Kavayitri Bahinabai Chaudhari North Maharashtra University KBCNMU campus to promote innovative startups through the University ecosystem.

A place where the university motivates students to think out of box and convert their dreams into reality by giving them an internship which gives a taste of how tech works and also funding the decent ideas and thus supporting Startup India initiative by our respected prime minister. The objective of the Pre-Incubation Program of incubation at KCIIL is to get the start-up to achieve Idea validation and market viability for a product or service. Apart from monetary support teams get mentoring, training, advisory and infrastructure support. The major achievements of Kciil are: Development of Kciil website, Cross Platform Application Development and Supriya Charging and

Infrastructure LLP website. All the projects have been completed by students during their internship. All the projects were mentored by Dr. Manoj Eknath Patil.

The students of computer department Ojas Kiran Patil, Mohit Manoj Patil, Kishori Vijay Patil and Pranita Gokul Wani developed Kciil website. Devendra Bajarang Kharatmal, Leena Gorakhanath Bhadane, Tejaswini Rame-

sh Nimbalkar and Jayesh Pravin Borase developed Cross Platform Application Development of Online Healthcare Surgical Equipment Aggregator, SUTURE HOUSE. Rajput Pruthviraj Dineshsing and Patil Rajesh Dilip of BE Computer developed Supriya Charging and Infrastructure LLP website.



KCIIL: Project volunteers



Newsletter Editorial Committee

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