



## 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	8
2	Hexaware	6.0	1
3	Palle Technologies	5.5	10
4	IBM	4.5	1
5	Profound Edutech	5	15
6	Qspiders	3	12
7	Cyber Success	2.5	10
8	Saaski Technology	4.8	1
9	Yippie	1.8	11
10	Siddhatech Softwares	3.5	3
11	ExcelR	3.5	8
12	Systemics	3.5	1
13	Dhoot	2.4	58
<b>Total</b>			<b>140</b>



## Qualification Improvement

- Dr.Sandip S. Patil successfully completed PHD under guidance of Prof.B.V.Pawar,Former Pro.V.C. KBCNMU Jalgaon, Sr. Professor and Head IT, SoCS KBCNMU Jalgaon on topic Computational Approach for Word Sense Disambiguation of Marathi Nouns from KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON in March 2023
- Dr.Dinesh Dagadu Puri successfully completed PHD under guidance of Dr. G. K. Patnaik, Principal, SSBT COET, Jalgaon on topic Regular Expression Based English Text Classification from

KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON in June 2023

- Dr. Akash Dnyandeo Waghmare successfully completed PHD under guidance of Dr. G. K. Patnaik, Principal, SSBT COET, Jalgaon on topic Fake News Detection on Social Media and Minimize Spreading from KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON in June 2023



# Internal Hackathon KAVACH-2023

Working toward empowering these imperative notions of our society, MoEs Innovation Cell, AICTE along with Bureau of Police Research and Development and Indian Cybercrime Coordination Centre I4C MHA have launched KAVACH-2023 a unique national Hackathon to identify innovative concepts and technology solutions for addressing the security challenges of the 21st century faced by our intelligence agencies. KAVACH-2023 is conceived to challenge India's innovative minds to conceptualize ideas and framework in the domain of cyber security using artificial intelligence, deep learning, machine learning, automation, big data and cloud computing.

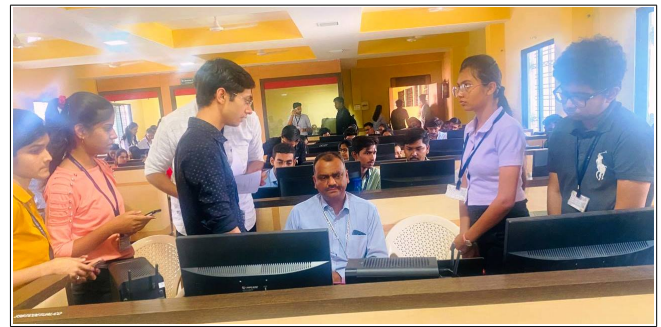
KAVACH-2023 is a unique opportunity for higher institutional Students and Startups in India to submit their innovative ideas or concepts under the different problem statements. This event is going to be conducted in physical mode in two phases viz. Initial Phase and Idea screening round and Grand Finale round. In the Initial round the initially submitted ideas will be thoroughly screened and scrutinized and the selected ones will be moved for the Grand Finale that will be held in the month of July-2023. KAVACH 2023 will have two phases.

The submitted ideas will be evaluated by a group of experts in the field and only the innovative ideas will be selected for the Grand Finale or 2nd round. During the Grand Finale, selected participants are expected to build the solution to demonstrate their concepts and prove to the juries that their ideas are technically feasible and more

importantly implementable.

Best ideas will be declared winners. During this 36 hours hackathon, scheduled in the month of July-23, selected youths from education institutions across the country will participate to offer strong, safe and effective technology solutions using their technical expertise and innovative skills. Total Prize money worth Rs. 20,00,000 is announced for the winning teams.

This hackathon has 20 Problem statements related to the cyber security domain against which the innovative minds will be able to submit their ideas and compete against each other. Internal Hackathon was conducted on 13 April 2023 in Lab 10, Department of Computer Engineering. The registration for Internal Hackathon 17 teams were registered out of that 10 teams shortlisted for final technical round.



Internal Hackathon KAVACH-2023



## Faculty Publication

- Dr. Sandip Patil published a paper on BERT and IndoWordnet Collaborative Embedding for Enhanced Marathi Word Sense Disambiguation in IC-TACT Journal of Soft Computing, ISSN. 2229-6956, January 2023, Vol.13, Issue 2.
- Dr. Girishkumar Patnaik, Akash Dnyandeo Waghmare, Dinesh D. Puri, Identification of Source of Misleading Information and Stop the Dissemination through Blocking the User, The Ciência and Engenharia -Science and Engineering Journal ISSN: 0103-944X Volume 11 Issue 1, April 2023 pp: 1364-1375 UGC CARE - II
- Dr. Girishkumar Patnaik, Dinesh D. Puri, Akash D. Waghmare, Generation of Regular Expression from Aligned Sequences of Text Snippets, The Ciência and Engenharia -Science and Engineering Journal ISSN: 0103-944X Volume 11 Issue 1, April 2023 pp: 1376-1385 UGC CARE - II
- Dr. Girish K. Patnaik, Dr. Manoj E. Patil, Dinesh D. Puri, Vaibhav S. Dhande , Identity in Supply Chain Using Ethereum Blockchain, European Chemical Bulletin 2023, 12, Special Issue 4, ISSN 2063-5346 pp: 9810-9817 UGC CARE-II SCOPUS Indexed
- Ms. Shital Patil, Dr. K. P. Adhiya, Dr. Girishkumar Patnaik , Various Feature Extraction and Selection Techniques for Lexicon Based and Machine learning Sentiment Classification, The Ciência and Engenharia -Science and Engineering Journal ISSN: 0103-944X Volume 11 Issue 1, 2023 pp: 1939-1951 UGC care - II
- Dr. G. K. Patnaik, Pramod B Gosavi , Assessing the Detection of Pollution through Machine Learning and Crowd-Sourcing and its potential for climate improvement, Journal of Industrial Engineering Journal Print only ISSN: 0970-2555 Volume: 52, Issue 5 No. 1, May:2023, UGC CARE - I



# Workshop/FDP/STTP Attended

- Dr. P. H. Zope attended workshop on national Intellectual Property Awareness Mission Organized by Intellectual Property Office, India on 25-01-2023.
- Dr. P. H. Zope attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023
- Dr. P. H. Zope attended One Week National Level Faculty Development Program on INNOVATION, RESEARCH AND IPR - JOURNEY TOWARDS EXCELLENCE Organized by Sardar Patel College of Engineering, Mumbai and HSMS Shri. Sant Gadge Baba during 01-03-2023 to 05-03-2023
- Dr. K.P. Adhiya attended workshop on national Intellectual Property Awareness Mission Organized by Intellectual Property Office, India on 25-01-2023.
- Mr. Chetan Chaudhari attended workshop on national Intellectual Property Awareness Mission Organized by Intellectual Property Office, India on 25-01-2023.
- Mr. Ramkrishna Patil attended workshop on national Intellectual Property Awareness Mission Organized by Intellectual Property Office, India on 25-01-2023.
- Dr. K.P. Adhiya attended Two Week Online FDP on Deep Learning Organized by Pimpri Chinchwad COE and Research, Ravet, pune during 9-01-2023 to 20-01-2023.
- Dr. K.P. Adhiya attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023
- Dr. K.P. Adhiya attended workshop on Awareness Workshop on Outcome Based Education and Accreditation Organized by NBA and DTE Maharashtra on 27-01-2023.
- Mr. Ramkrishna Patil attended One Week National Level Short Term Training Program STTP on Big Data with Hadoop Organized by ISTE Local Chapter, VBKCOE, Malkapur and The Institution of Engineers India, IEI Aurangabad Local Center. Under the Association of Computer Science and Engineering ACSE during 06-02-2023 to 10-02-2023
- Mr. Chetan Chaudhari attended One Week National Level Short Term Training Program STTP on Big Data with Hadoop Organized by ISTE Local Chapter, VBKCOE, Malkapur and The Institution of Engineers India, IEI Aurangabad Local Center. Under the Association of Computer Science and Engineering ACSE during 06-02-2023 to 10-02-2023
- Mr. Chetan Chaudhari attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023
- Dr. Dinesh Puri attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023
- Dr. Akash Waghmare attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023
- Dr. Surendra Ramteke attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023
- Dr. Surendra Ramteke attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023
- Mr. Ashish Bhole attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023
- Dr. Sandip Patil attended UGC SAP DRS-II Webinar on ADVANCES IN COMPUTING Organized by School of Computer Sciences, KBCNMU, Jalgaon during 02-02-2023 to 3-02-2023

## Success at IITM E-Summit 2023

Final year Computer Engineering Department students, Mahendra Bagul, Sharayu Banait, Mahesh Kanhere of team Mandakini has secured 1st a prize at the IITM E-Summit 2023 held at Chennai on 10 April 2023. The IITM E-Summit is an annual event where entrepreneurs and innovators come together to showcase their ideas and compete for recognition. As of now they have received various investment proposals from venture capitalists and angles investors, also got incubation opportunities from IIT Madras Research Park, Deshpande’s hub, NSRCEL IIM Bangalore. Their success is a testament to the innovative and entrepreneurial spirit of our students, and we look forward to seeing even more great ideas and successes from our students in the future.



Winners of IITM E-Summit 2023



## Result Analysis of May 2023 University Examination

Class	Number of Students Appeared	Number of Students ALL Clear	% of ALL Clear
T.E. Comp	143	120	83.92
B.E. Comp	146	135	92.47
T.E. IT	71	56	78.87
B.E. IT	81	74	91.36



## T.E. Computer Toppers

Name of the Student	SGPA
NIKITA SUMIT HEMNANI (KAJAL)	9.47
DARA JAYA ATTAMKUMAR (REKHA)	9.4
DHANDARE RAJESHWARI PRAKASH (VARSHA)	9.4
RAJ KESHAV (PRITI SINGH)	9.32
MAHAJAN YOGITA VINAYAK (SANGITA)	9.31
MAHAJAN REKHA RAJU (SARALA)	9.29
INGALE DARSHANA KAMALAKANT (MEENA)	9.27
BAVISKAR LINA SHAMKANT (MANGLABAI)	9.26
BAVISKAR NEHA MANOJ (NAYANA)	9.25
SHIRSATH HEMANT PADMAKAR (SADHANA)	9.24



## B.E. Computer Toppers

Name of the Student	SGPA
PATIL MOHIT MANOJ (CHITRA)	9.74
LULE YOGINI RAVINDRA (KALPANA)	9.73
PANDE PIYUSH ASHISH (REKHA)	9.64
BADGUJAR KIRTI JITENDRA (BHARTI)	9.64
PATIL SNEHAL KISHOR (PUSHPANJALI)	9.63
JETHANI INDRA LAKHIRAM (SANGEETA)	9.58
MORE ASHWINI NITIN (NEHA)	9.58
PATIL BHAGYASHRI PRADIP (JYOTI)	9.51
PATIL GAYATRI ATUL (POONAM)	9.48
YEWALE KHUSHABU HEMARAJ (YOGITA)	9.48





## T.E. IT Toppers

Name of the Student	SGPA
PATIL RAKSHA ASHOK (ANITA)	9.4
PATIL ASHWINI SUNIL (USHABAI)	9.23
BHOI RAJASHRI SUNIL (ANJANABAI)	9.18
CHAUDHARI ISHA DHARMENDRA (CHITRA)	9.17
DHAKE PRIYA DIPAK (MANGALA)	9.17
DUSANE POOJA AMOL (ANITA)	9.16
CHAUDHARI DHANASHRI DILIP (RUPALI)	9.13
CHAUDHARI HARSHADA CHARUDATTA(SUJATA)	9.1
PATIL NEHA CHHAGAN (JAYSHRI)	9.08
SALUNKE DISHA RAVINDRA (SAU SUNITA)	9.06
PATIL VIJAY SAHEBRAO (MANGLA)	9.06



## B.E. IT Toppers

Name of the Student	SGPA
PATIL JAYA ANIL (JYOTI)	9.43
AMRUTKAR ANUJA SUNIL (SMITA)	9.43
BORSE DHANSHRI SANJAY (BHARATI)	9.36
PATIL KOMAL NANDKISHOR (MANISHA)	9.36
BURUJWALE AADITYA PRAMOD(SAVITA)	9.27
PATIL VAISHNAVI SHAMKUMAR(MAYAWATI)	9.7
BORNARE CHAITALI SANJIV (SONALI)	9.25
MATSAGAR MAYUR KAILAS(SHANTABAI)	9.24
KIRANGE MOHIT DNYANDEO (CHHAYA)	9.23
BHOLE YASH SUNIL (DARSHANA)	9.21



# Newsletter Editorial Committee

**Newsletter Editor-in-chief:**

Dr. Manoj E. Patil, HoD

**Newsletter Editor:**

Dr. 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)



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