AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय
Approved by AICTE, New Delhi, Recognized by Government of Maharashtra
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC
(Id.No. PU/PN/Engg./093 (1992)
Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes

DEPARTMENT OF COMPUTER ENGINEERING

HORIZON NEWSLETTER

Principal: Dr.D.S.Bormane	June 2023 to December 2023	Head of Dept.: Dr.S.V.Athawale

Date of publication : January 2024

VISION

- Contributing to the welfare of society through technical and quality education.

MISSION

- To produce Best Quality Computer Science Professionals by imparting quality training, hands on experience and value education.
- To Strengthen links with Industry through partnerships and collaborative developmental works.
- To attain self-sustainability and overall development through Research, Consultancy and Development Activities.
- To extend technical expertise to other technical Institutions of the region and play a lead role in imparting technical education.

PSO

- PSO 1. Students are able to devise, analyze and implement algorithms.
- PSO 2. Students are able to exhibit their IT based knowledge for the development of Society.
- PSO 3. Enhance communication and leadership skills to get good position in National and International Organizations.

PEO

- PEO1: To prepare the graduates for successful careers in the IT industry, by developing their ability to solve computing problems in a multidisciplinary environment.
- PEO2: To develop the ability among the graduates to analyze data and technical concepts and various application development for real life.
- EO3: To Motivate and provide graduates with various opportunities for further studies, teamwork, and successful career in their chosen domain.
- PEO4: To motivate and encourage graduates to understand their, Social,ethical and Cultural responsibilities as well with their professional responsibilities.

OUR INSPIRATION
Shri Shrimant Shahu Chhatrapati Maharaj
President, AISSMS

From Principal's Desk

AISSMS College of Engineering has recently celebrated a momentous occasion as it successfully concluded the 2022-23 academic year, commemorating 30 years since its inception. I am thrilled to announce that our institution has been honored with the esteemed Grade A+ accreditation from the National Assessment and Accreditation Council (NAAC), a recognition that fills us with immense pride and joy.Throughout the years, AISSMS College of Engineering has consistently demonstrated its commitment to academic excellence, producing University gold medalists and top-ranking students across various engineering disciplines. Our faculty members actively engage in research and development, striving to further enhance the institute's reputation. Presently, we are directing our efforts towards strengthening our Engineering Research activities, with the aim of benefiting both our students and society as a whole. We are proud of our accomplishments and remain dedicated to upholding our institution's legacy of academic excellence, research advancement, and overall development of our students.

Dr.D.S.Bormane

From HOD's Desk

Dr.S.V.Athawale

Beyond a few years, your expertise now is not very valuable. Your value is determined by what you can learn and how well you can adapt to the changes that this line of work so frequently entails. We at the CSE Department are dedicated to giving our students not only a technical education but also the leadership skills necessary for them to employ others. You are invited to join the vibrant computer science community and become the future's visionaries and change agents by enrolling in the Department of Computer Engineering. To develop innovators and researchers, our esteemed staff guarantees a wide variety of unique learning opportunities at both the undergraduate and graduate levels.Various workshops, seminars, guest lectures, webinars and training programs based on current technologies are organized for the development of faculty and students. Industrial visits are arranged to expose the students to real world applications. The research work is carried out by the faculty along with students in the areas like Parallel Processing, Image Processing and Data Mining.The annual technical event Bits-n-Bytes is conducted under the aegis of AISSMS Engineering Today. It is the mega event in which students from all over India and SAARC countries participate. Students are encouraged and guided for participating in various technical events organized by industries and reputed institutes.As a result of sincere efforts of faculty & state of art facilities provided by the Department, our students are excelling in IT as well as other related industries. We have top class students who are consistently getting placed in leading MNCs, Infosys, Accenture, TCS, Wipro, Deloitte,,Capgemini etc with the highest package of 31 LPA and aspirational students also qualified in GATE with good rank in GATE2022. Good number of students are joining prestigious institutions like IIT, and Foreign Universities for higher education and research.
Come Learn, Let's Grow Together.

From Editorial's Desk

It gives us great pleasure to hand over to you "HORIZON" the newsletter of Computer engineering department.The department has over 21 staff members and more than 360 students. All of us are involved in a number of activities and working for the development of the department. We thought it would be proper to come out with a newsletter to highlight these activities. In engineering learning this activity adds a common platform to showcase the talents. It also provides for showcasing of achievements and efforts taken by one and all which contribute towards department strengths. We attempt to get the maximum contribution from staff and students to come together and interact through this newsletter. We try to pick the moments of guest lectures conducted by dept., various site visits carried out, competitions organized, various achievements and participation by students and staff. We hope this newsletter letter will help us in its way to achieve our goal & realize our vision progressively.Hope you will find this newsletter informative. Your suggestions for improvement in the newsletter are Welcome.
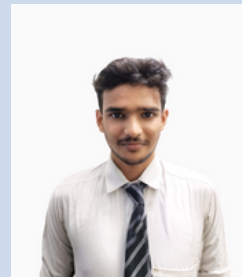
" Editorial Board "

Published at: AISSMS COE

Department of Computer Engg, AISSMS College of Engineering,Kennedy Road, Shivajinagar, Pune -411001

Mrs.Snehal Kolte

Saurav Lonkar

Sanchit Patil

Ria Rao

Suraj Pawar

Siddhi Soni

Engineering Today

Bits and Bytes

Virtual Scape

VirtualScape offered an interactive gaming experience that push the boundaries of reality. Attendees engaged in cooperative multiplayer games, encouraging teamwork and camaraderie among players as they embark on thrilling quests together. There were three games for the qualifying round and a Finale Game which gave the winner

Lakshyabhed

It tells you to gather Your 5 Pandavas and Explore Four Thrilling Rounds Together:
1. Dyutkrida: Sharpen your strategic skills as you face off in mind-bending challenges!
2. Virat Yudh: Gear up for adrenaline-pumping physical tasks that will put your team's strength and endurance to the test!
3. Maya Mahal: Delve into the world of illusions, riddles, and magic – can you see through the deception?
4. Kurukshetra: The final battleground! Pit your wits against the best and emerge victorious

Battlefield Arena

The battleground Mobile India event was conducted online bases. The First level is the elimination level where 76 teams participated in 4 groups. Each group had a match amongst themselves and top 8 teams were qualified from each group. For the 2nd level total 32 teams were qualified. The 2nd level was the Semi Finals were 2 groups were made and 4 matches were conducted out of which 16 teams were qualified for the 3rd level. In the 3rd level 4 matched were conducted and on the bases of their points top 2 were selected.

Student Achievements

Rajnish Kumar Singh

Pune City Zonal Inter collegiate Athletics(Men)

Pune City Zonal Inter collegiate Cricket(Men)

International Journal for Research in Applied Science & Engineering Technology(IJRASET)

3 (MAH) Naval Unit NCC Combined Annual Training Camp

Student Achievements

Siddhi Ranpise

Biztrivia organized by
COEP

NCC Hospital Attachment
National Camp

Brandscan organized by
COEP

INDUSTRIAL VISITS

The industrial visit to Sumago Infotech was organized for the third-year Computer Engineering students to provide them with practical insights into the current scenario and the various fields in the software industry. The visit aimed to expose students to the industry's working environment and to help them understand the knowledge and skills required for successful careers.

The Department of Computer Engineering (AISSMS College of Engineering, Pune) has successfully Organized an Industrial Visit at Candent Technologies Pvt Ltd for Second Year Engineering Students.
The objective of this visit was to provide students with practical exposure to the operations of a leading technology company, enhance their understanding of software development processes, and inspire them in their pursuit of careers in the IT industry.

INDUSTRIAL VISITS

The Department of Computer Engineering (AISSMS College of Engineering, Pune) has successfully Organized an Industrial Visit at **Candent Technologies Pvt Ltd** for Second Year Engineering Students.

- The objective of this visit was to provide students with practical exposure to the operations of a leading technology company, enhance their understanding of software development processes, and inspire them in their pursuit of careers in the IT industry.

The industrial visit organized on October 18, 2023, at Proxcel Systems, aimed to achieve the following objectives:

1. Automation in Engineering Process: To expose students to the practical applications of automation in engineering processes and provide them with insights into the real-world implementation of automation technologies.

2. Creating Interest in Industrial Automation: To instill in students a deep interest and appreciation for industrial automation and its role in modern manufacturing

INTER-DEPARTMENTAL SPORTS

Winners

Chess (Boys)
Cricket(Girls)
Football(Boys)
Volleyball(Boys)
Table Tennis(Boys)
Table Tennis(Girls)

Runners Up

Cricket (Boys)
Volleyball (Girls)

Expert Lectures

Advanced Java – JDBC Netbeans Programming

Department of Computer Engineering, organized an Expert Guest Lecture on "Advanced JAVA – JDBC Netbeans of Java Programming in Industry Perspective" on Thursday 17th October 2023 from 01:00 PM to 3:00 PM in Class TE Computer in room 340.The guest lecture speakers was Roshni Sundrani, Professor cum Freelancer, Daund Pune. The lecture was attended by 70 students.

Expert Lecture Report on Real-Time Applications of Machine Learning in Various Industries

Ms. Snehal Gore, our alumni expert in the field of machine learning, delivered an insightful lecture on the real-time applications of machine learning in various industries to the BE(A) and TE (A) students. The lecture provided a comprehensive overview of how machine learning is transforming industries and driving innovation.

Expert Lectures

Expert Lecture on exploring job opportunities through internship.

Computer Engineering Department organized a, Expert Lecture on "Exploring job opportunities through Internship" on, 31 Oct, 2023, to enhance knowledge of skill requirements and job opportunities through Internship of Third and third Year and Second Year Computer Engineering Students.
During student interaction, Mr. Murfahad Shikalgar spoke about the importance of internship and skill requirements.

Expert Lecture on knowledge sharing about Scrum Technology.

Computer Engineering Department organized a, Expert Lecture on "Scrum Technology" on, 1 Nov 2023, to enhance knowledge of Scrum Technology of Third Year Computer Engineering Students.
During student interaction, Mrs.Sayali Kapse spoke about the importance of Scrum technology and work experience, different tools used for software project management in industry and spoke about the upcoming technologies used now in Software field.

Expert Lectures

Expert Lecture on knowledge sharing about Health Care.

Computer Engineering Department organized a, Expert Lecture on 'Social Program (Health Care)" on, September 29 Aug, 2023 to enhance knowledge of Health Care of Second Year and Computer Engineering Students and faculties of Computer Engineering. During student interaction, Mr. N K Lokhande spoke about the Health Care, the improvement of health via the prevention, diagnosis, treatment, cure of disease, illness, injury, and other physical and mental impairments in people. He created interest in student's mind about the Acupressure and its benefit.

Expert Lecture on "Theory of Computation"

Computer Engineering Department organized Expert Lecture on" Theory of Computation" by Mr. Swami Panjala to motivate TE students .Mr. Swami Panjala is Founder and CEO of Elites Software Pvt. Ltd.,Pune. This expert lecture was successful enough to attract many students of TE. It was conducted on 16th Nov 2023 in which total 39 students were present.

Expert Lectures

Expert Lecture on Applications of Machine Learning

Computer Engineering Department organized Expert Lecture on Applications of Machine Learning on 10th Oct, 2023 for the subject Machine Learning. The lecture was organized for BE Computer Engineering students.

During student interaction, Mr Shrenik kucheriya gave brief introduction about Machine Learning and its applications with some real-life examples. The talk was done at a very student friendly level. Students were interacting spontaneously.

Expert Lecture on "Types of Software & its Uses in Cyber Security"

The Department of Computer Engineering at AISSMS College of Engineering, Pune has successfully conducted an Expert lecture on "Types of Software's & its Uses in Cyber Security" for T.E-A Third Year Engineering Students Organized by SPOS Course Faculty Mr. V. S. Gunjal. Miss. Titiksha Jawale, TE-A Student Representative has started the session by giving an introductory remark and brief about the keynote speaker. Mr. Kishor Nikam, briefed the students about the importance of the session.

FDP / STTP

FACULTY : Shashikant Athawale
Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)
Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)
Date : 21st Aug 2023 to 25th Aug 2023

FACULTY : Madhavi Pradhan
Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

FACULTY : Nitin Talhar
Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)
Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)
Date : 21st Aug 2023 to 25th Aug 2023

FACULTY : Anilkumar Kadam
Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)
Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)
Date : 21st Aug 2023 to 25th Aug 2023

Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

FACULTY : Sonali R Nalamwar
Title of the FPD/STTP : FDP on AI in education: Adaptive Learning & Personalization
Organized by : Dr. D.Y.Patil Institute of Engineering, Management and Research Akurdi, Pune
Date : 18th Dec 2023 to 22nd Dec 2023

Title of the FPD/STTP : FDP on AI Recent Trends in Heating , Ventilation, Air –conditioning and Refrigeration
Organized by : MMCOE, Pune
Date : 26th Dec 2023 to 30th Dec 2023

Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

Title of the FPD/STTP : STTP on Exploring Quality Research and its Societal Impact
Organized by : Department of First Year Engineering and Research & Development Cell, Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.
Date : 9th Oct 2023 to 13th Oct 2023

Title of the FPD/STTP : STTP on Data Science for Business
Organized by : Dept. of AI&DS, VIIT, Pune
Date : 4th Sep 2023 to 8th Sep 2023

FACULTY : Anuradha Shriram Deokar
Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)
Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)
Date : 21st Aug 2023 to 25th Aug 2023

FACULTY : Vidya Waykule
Title of the FPD/STTP : Web Development
Organized by : Elite Software
Date : 19th Dec 2023 to 27th Dec 2023

Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

FACULTY : Deepali Milind Ujalambkar
Title of the FPD/STTP : STTP on Recent Trends in AI Tools
Organized by : D.Y.Patil College of Engineering, Akurdi
Date : 24th July to 28th July 2023

Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

FACULTY : Shikha Panchouly
Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)
Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)
Date : 21st Aug 2023 to 25th Aug 2023

FACULTY : Manasi M. Phadatare
Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)
Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)
Date : 21st Aug 2023 to 25th Aug 2023

Title of the FPD/STTP : STTP on Data Science for Business
Organized by : Dept. of AI&DS, VIIT, Pune
Date : 4th Sep 2023 to 8th Sep 2023

Title of the FPD/STTP : FDP on Recent Trends in Healthcare
Organized by : Vishwakarma Institute of Information Technology, Pune
Date : 18th Dec 2023 to 22nd Dec 2023

Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

FACULTY : Snehal Kolte
Title of the FPD/STTP : FDPon Quantum Signal Processing
Organized by : Lakireddy Bali Reddy College of Engineering, Mylavaram, NTR District
Date : 14th Dec to 20th Dec 2023

Title of the FPD/STTP : STTP on Data Science for Business
Organized by : Dept. of AI&DS, VIIT, Pune
Date : 4th Sep to 8th Sep 2023

Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

FACULTY : Neha Amit Rai
Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

Title of the FPD/STTP : FDP on Industrial research and Consultancy

Organized by : Resonance Automation

Date : 15th Dec 2023 to 19th Dec 2023

Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)

Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)

Date : 21st Aug 2023 to 25th Aug 2023

FACULTY : Vandana Vinayak Nawale

Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)

Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)

Date : 21st to 25th Aug 2023

Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education

Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune

Date : 31st July 2023 to 4th August 2023

Title of the FPD/STTP : STTP on Embedded System in Real Time and Applications of IOT

Organized by : KJCOEMR, Pune

Date : 25th Sep 2023 to 29th Sep 2023

FACULTY : Vipul Suresh Gunjal

Title of the FPD/STTP : Online FDP on innovative Teaching Methodology – A creative pedagogy

Organized by : D. Y. Patil College of Engineering, Akurdi

Date : 31st July 2023 to 4th August 2023

Title of the FPD/STTP : international FDP on Big Data Analytics

Organized by : VNR Vignana Jyothi Institute of Engineering and Technology,Hyderabad

Date : 4th Dec 2023 to 15th Dec 2023

Title of the FPD/STTP : International FDP on Deep Learning for NLP and Computer Vision

Organized by : Chaitanya Bharathi Institute of Technology(CBIT)

Date : 10th July 2023 to 28th July 2023

Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)
Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)
Date : 21st Aug 2023 to 25th Aug 2023

Title of the FPD/STTP : Online FDP on Machine Learning
Organized by : Dr. D Y Patil Institute of Engineering and Management Research, Akurdi
Date : 10th July 2023 to 14th July 2023

Title of the FPD/STTP : Online FDP on Distributed Ledger Technology
Organized by : Dr. D Y Patil Institute of Engineering and Management Research, Akurdi
Date : 4th Dec 2023 to 11th Dec 2023

Title of the FPD/STTP : FDP on Fundamentals of Machine Learning and Deep Learning
Organized by : National institute of technical teachers training and research, Kolkata
Date : 25th Sep 2023 to 29th Sep 2023

FACULTY : Amruta Sachchitanand Aphale
Title of the FPD/STTP : One week National Level FDP on Cloud Infrastructure(AWS)
Organized by : AISSMS College of Engineering, Pune(Faculty Development Cell)
Date : 21st Aug 2023 to 25th Aug 2023

Title of the FPD/STTP : Online FDP on Education 4.0 in Higher Education
Organized by : Department of Computer Engineering, Vishwakarma Institute of Information Technology, Pune
Date : 31st July 2023 to 4th August 2023

RESEARCH CONTRIBUTION PUBLICATIONS

FACULTY : Dr.S.V.Athawale
Title : REQUIREMENT BASED SERVICE PROVIDING SYSTEM,
International Journal of Management, IT & Engineering
ISSN : 2249-0558
Date of Publication : September 2023

Title : Securing Smartphone User Authentication using Teeth Pattern
ISSN : 2349-9249
Date of Publication : November 2023

FACULTY : Madhavi Pradhan
Title : Decentralized Storage Rental System
ISSN : 2321-9653
Date of Publication : September 2023

FACULTY: Shabnam Sayyad
Title: Artificial Neural Networks Algorithms For Prediction Of Human Hair Loss
Related Autoimmune Disorder Problem
ISBN: 978-620-5-63291-8
Date of Publication: July 2023

FACULTY: Nitin R Talhar
Title: Dynamic Cloud Resources Allocation : Efficient Optimization Strategies
For Enhanced Performance
ISSN:
Date of Publication: July 2023

Title: Immersive Pedagogy: Transforming Education Through Augmented
Reality Experiences
ISSN:2456-4184
Date of Publication: October 2023

Title: Revolutionizing Healthcare Delivery: A Comprehensive Review Of
Chatbot-Enabled Systems Integrating Real-Time Sensor Dat And Cloud
Computing
ISSN: 2456-4184
Date of Publication: November 2023

FACULTY: Deepali Milind Ujalambkar
Title: SSRG International Journal of Engineering Trends and Technology
ISSN: 2349-0918
Date of Publication: November 2023

Title: Digitalization of Doctor's Handwritten Prescription using Optical Character Recognition (OCR)
ISSN:
Date of Publication: July 2023

Title: Ship Detection at Small Ports using CNN
ISSN:
Date of Publication: July 2023

Title: Real-Time Dimension Detection using Customized Canny Edge Detection Algorithm
ISSN: 2231-5381
Date of Publication: September 2023

FACULTY: Sumedh Dhengre
Title: Machine Learning Driven Anemia Identification And Classification:A Comprehensive Survey
ISSN: 2321-9653
Date of Publication: November 2023

FACULTY: Anuradha S. Deokar
Title: Prediction of Cardiovascular Diseases using Explainable AI
eBook ISBN: 9781003393580
Date of Publication: 2023

Title: "Fox Fables" An Adventure Based 2D Game In Unity Game Engine
ISSN: 2321-9653
Date of Publication: November 2023

Title: Study Of Heart Diseases Prediction Using Machine Learning And Data Mining Techniques
ISSN: 2321-9653
Date of Publication: November 2023

FACULTY: Shikha J Panchouly
Title: The role of Explanability in AI-Driven Fashion Recommendation Model:A Review
ISSN: 2321-9653
Date of Publication: January 2024

FACULTY: Manasi M. Phadatare
Title: Future Rainfall Faorecasting for Water Supply Management in Agriculture
ISSN: 2321-9653
Date of Publication: November 2023

FACULTY: Snehal Kolte
Title: Overview on Efficient Resource Provisioning Approach Using Cloud
Computing Environment
ISSN: 2321-9653
Date of Publication: November 2023

FACULTY: Neha Amit Rai
Title: Optimizing Precision:Brain Tumor Detection
ISSN: 2321-9653
Date of Publication: November 2023

FACULTY: Vandana Vinayak Nawale
Title: Superlative Classification Model
ISSN: 2321-9653
Date of Publication: November 2023

Title: FeelFlow:Music Recommendation System Based on your Facial
Expression
ISSN: 2321-9653
Date of Publication: November 2023

FACULTY:Vipul Suresh Gunjal
Title: AI Enabled e-commerce Platform
ISSN: 2395-4396
Date of Publication: November 2023

FACULTY:Amruta Sachchitanand Aphale
Title: Automatic Microaneurysyms Detection Using Deep Learning From Fundus
Images
ISSN:
Date of Publication: July 2023

Title: Robust Approach For Detecting Haemorrhage And Microaneurysyms
From Fundus Images
ISSN:
Date of Publication: July 2023