



DEPARTMENT OF COMPUTER ENGINEERING

HORIZON NEWSLETTER

Principal: Dr.D.S.Bormane

June 2024 to December 2024

Head of Dept.: Dr.S.V.Athawale

Date of publication : December2024

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 2023-24 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 GATE2023. 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 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

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Shivajinagar, Pune -411001**



Mrs. Minal Swami



Shruti Patil



Iffa Shaikh

Students Achievements



Ms. Samruddhi Sonawane

Youth 20 Consultation an International Conference under G20 selected by Ministry of Youth Affairs and Sports, Govt. of India 2023

Mr. Sanket Kewale

Best Sports Person Award



Mr. Rajnish Singh

Best Student Award 2023

Engineering Today

Bits and Bytes

VIRTUAL ODYSSEY

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.



Inter-Departmental Sports



Activities Organized

SEMINARS / WORKSHOPS / EXPERT TALK/ WEBINARS ORGANIZED BY THE DEPARTMENT



CIPHERS organized an informative session on Guidance to Higher Education on February 7, 2024, aimed at providing students with valuable insights into higher education and overseas study opportunities. The session, hosted by Miss Vinisha, covered essential aspects of academic advancement, including application procedures, university selection, and career prospects. Students actively participated in discussions, gaining clarity on various educational pathways. The event served as a valuable platform for aspiring students to explore future academic opportunities and make informed decisions about their careers.

CIPHERS organized an engaging session, Code Launch, on February 23, aimed at helping students kickstart their coding journey and enhance their programming skills. The event provided valuable insights into the fundamentals of coding, problem-solving techniques, and career growth in the tech industry. Participants explored various programming concepts and received guidance on overcoming challenges in coding. The event successfully inspired aspiring coders to develop their skills and explore new opportunities in the field of technology.



The event "Ignition: Spark Your Startup Journey" took place on 15th April at CIP Hall from 3 to 4 PM. Organized by Cipher and AISSMS, it aimed to inspire participants with opportunities for networking, innovation, and inspiration. The session encouraged attendees to explore entrepreneurial ideas and connect with like-minded individuals. With an engaging agenda and a great turnout, the event successfully provided a platform for budding entrepreneurs to kickstart their startup journeys.

INDUSTRIAL VISITS



On February 29, 2024, an industrial visit to the Giant Metrewave Radio Telescope (GMRT) in Khodad, Maharashtra, was organized for 80 students from SE (A) and SE (B), accompanied by faculty members Prof. V. R. Jorwekar and Prof. Neha Rai. Coordinated by Mr. Mayur Nankery, the visit aimed to provide participants with an in-depth understanding of the operations and capabilities of one of the world's leading radio telescope arrays. Students were introduced to the cutting-edge technology, research projects, and scientific contributions of the National Centre for Radio Astrophysics (NCRA), which operates GMRT. The visit offered insights into how GMRT contributes to global astrophysical research, exploring phenomena such as pulsars, galaxies, and cosmic evolution. Participants also learned about the telescope's technological advancements, the challenges in radio astronomy, and the collaborative efforts driving innovation in the field. This enriching experience bridged academic knowledge and real-world applications, inspiring students to explore opportunities in astrophysics and advanced technologies.

FDP / STTP

FACULTY : Madhavi Pradhan

Title of the FDP/STTP : NFDP on "Business Analytics", 5th to 9th Feb 2024

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

Date : 05-02-2024 to 09-02-2024

FACULTY : Dr S F Sayyad

Title of the FDP/STTP : Advances in material technology for next generation manufacturing

Organized by : AICTE

Date : 01-02-2024 to 05-02-2024

FACULTY : S R Nalamwar

Title of the FDP/STTP : National FDP on Business Analytics

Organized by : ExcelR Edtech Pvt.td

Date : 05-02-2024 to 09-02-2024

FACULTY : A M Jagtap

Title of the FDP/STTP : One week FDP on Business Analytics

Organized by : Excelr

Date : 05-02-2024 to 09-02-2024

FACULTY : V V Waykule

Title of the FDP/STTP : Artificial Intelligence and Generative Models

Organized by : VIT

Date : 05-02-2024 to 09-02-2024

Title of the FDP/STTP : National FDP on Business Analytics

Organized by : VIT

Date : 05-02-2024 to 09-02-2024

Title of the FDP/STTP : FDP on "Data Science Application in Real World Using Python"

Organized by : Indiar COE and Management 3

Date : 18-03-2024 to 22-03-2024

FDP / STTP

FACULTY : Dr D M Ujalambkar

Title of the FDP/STTP : Advances in material technology for next generation manufacturing

Organized by : AICTE

Date : 01-02-2024 to 05-02-2024

FACULTY : S J Pachouly

Title of the FDP/STTP : ChatGPT and Prompt Engineering

Organized by : Bharati Vidyapeeth College of Engineering - Navi Mumbai in Collaboration with ExcelR Edtech Pvt. Ltd

Date : 18-12-2023 to 22-12-2023

Title of the FDP/STTP : One week FDP on Business Analytics

Organized by : AISSMS College of Engineering

Date : 05-02-2024 to 09-02-2024

FACULTY : Mrs. S. S. Kolte

Title of the FDP/STTP : Business Analytics

Organized by: Department of Computer Engineering, AISSMS COE, Pune in collaboration with Excelr

Date : 05-02-2024 to 09-02-2024

Title of the FDP/STTP : AWS Cloud Fundamental and Services

Organized by : SIT

Date : 27-03-2024 to 31-03-2024

FACULTY : Neha A Rai

Title of the FDP/STTP : Business Analytics organized

Organized by: AISSMS College of Engineering

Date : 05-02-2024 to 09-02-2024

FACULTY : V V Navale

Title of the FDP/STTP : Advancements in Artificial Intelligence

Organized by: Vishwakarma Institute of Information Technology, Pune

Date : 04-03-2024 to 08-03-2024

FDP / STTP

FACULTY : V S Gunjal

Title of the FDP/STTP : NFDP on "Business Analytics", 5th to 9th Feb2024

Organized by : Department of Computer Engineering, AISSMS COE, Pune in collaboration with Excelr.

Date : 05-02-2024 to 09-02-2024

FACULTY : Mrs.V R Jorwekar

Title of the FDP/STTP : Multidisciplinary Education and Research

Organized by : NITTTR, Bhopal

Date : 10-06-2024 to 14-06-2024

RESEARCH CONTRIBUTION PUBLICATIONS

FACULTY : Dr.S.V.Athawale

Title : Enhanced ubiquitous system architecture for securing healthcare IoT using efficient authentication and encryption

ISSN : 2364415X

Date of Publication : 2024

Title : Blockchain-Based Lightweight Authentication Protocol for Next-Generation Trustworthy Internet of Vehicles Communication

ISSN : 1558-4127

Date of Publication : 2024

Title : Securing Smartphone User Authentication Using Teeth Pattern

ISSN : 2633-4828

Date of Publication : 2024

FACULTY: Shabnam Sayyad

Title: Political Flower pollination Optimizer for age-related macular degeneration detection enabled deep Maxout network using OCT

ISBN: [978-620-5-63291-8](https://doi.org/10.1108/978-620-5-63291-8)

Date of Publication: 2024

FACULTY: Deepali Milind Ujalambkar

Title: Automated Dental Cavity Detection System Using Deep Learning

ISSN: 2349-0918

Date of Publication: 2024

FACULTY: Anuradha S. Deokar

Title:1.Impact of 5G onInternet of Things and its Challenges

eBook ISBN: 10123407

Date of Publication: February - 2024

Title: 3."Flames of Redemption "Narrative-Driven 2D Platformer Game in Unity Game Engine

Date of Publication: May 2024

FACULTY: Snehal Kolte

Title: Overview on Efficient Resource Provisioning Approach Using Cloud Computing Environment

ISSN: 2321-9653

Date of Publication: May 2024

FACULTY: Neha Amit Rai

Title: DEEP LEARNING APPROACHES FOR BRAIN TUMOR CLASSIFICATION

ISSN: 2349-9249

Date of Publication: 2024

FACULTY: Vandana Vinayak Nawale

Title: FeelFlow: Music Recommendation System Based on Facial Expression

ISSN: 2349-5162

Date of Publication: April 2024

FACULTY: Vipul Suresh Gunjal

Title: Impact of 5G on Internet of Things and its Challenges

ISSN: 2582-3930

Date of Publication: 2024