



COMPUTER ENGINEERING NEWSLETTER

Sanjivani Rural Education Society's

Sanjivani College of Engineering, Kopargaon-423603

(An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)

NAAC 'A' Grade Accredited, ISO 9001:2015 Certified

Department of Computer Engineering

UG Program NBA Accredited



VOL XIII, Issue -2, July 2024

VISION

To develop world class engineering professionals with good moral characters and make them capable to exhibit leadership through their engineering ability, creative potential and effective soft skills which will improve the quality of life in society.



MISSION OF THE DEPARTMENT

To impart quality technical education to the students through innovative and interactive teaching and learning process to acquire sound technical knowledge, professional competence and to have aptitude for research and development. Develop students as excellent communicators and highly effective team members and leaders with full appreciation of the importance of professional, ethical and social responsibilities.

FROM HOD's DESK



Dr. D. B. Kshirsagar (Head of Department)

It gives me an immense pleasure to express my views towards the development of Computer Engineering Department. Besides a very strong and disciplined Academics, Department has started various practices for the overall development of students which includes SPEAK and Coding Club for enhancing the Employability Skills, , RID Forum for the Project development based on innovative ideas, Software Consultancy Cell for software development , Mentorship activities and regular Alumni interaction with students. Students are having enormous talents and creativity which are being explored by extra co-curricular activities like Group Discussion, debate, Extempore, Programming contests, project competition etc. organized under different professional bodies like IEEE, CSI as well Departmental association.

Every year we observe lots of achievements in both academics and extra-curricular activities. Throughout the year on behalf of professional bodies and department association, lots of activities are conducted. Many students participated in these activities and the activities outside the college and bagged number of prizes. Hearty congratulations to all of them!!!

FROM EDITOR's DESK



Prof. Atul Mokal (Dean IIIC)

Dear Spectators,

"Remember that you will find treasure wherever your heart is". Some opportunities make us feel alive, engaged, connected and fulfilled. I am thankful to our honourable management and director

Dr. Ajaykumar Thakur and our head Dr. D. B. Kshirsagar for providing me the chance to serve as editor of the Computer Engineering newsletter, which is published twice a year. We are able to deliver the special and worthwhile reading edition of Computer Engineering Newsletter "June 2024", thanks to our ongoing work. I am honoured to acknowledge the contributions made towards the completion of this issue by my students, illustrious alumni, and my academic colleagues. I anticipate continuing to receive the same level of support. We want to set up the new editorial board in the following semester. Students, alumni, and faculty members who are interested may contribute. See you in the next Edition.

NEWS AT GLANCE

- **An International Expert Talk on “Going Global”**

This remarkable gathering, organized by ACES, brought together a diverse audience to listen to the inspiring journey of Mr. Puranik. As the first Indian/Asian-origin assemblyman, Indian-origin gazetted officer, and the first foreign-origin public school principal in Japan, Mr. Puranik's insights were truly eye-opening. The event provided valuable perspectives on the challenges and opportunities of "Going Global."

- **FDP on “NEP2020 in Creating Engaging Environment for Learning & Technology Leadership”**

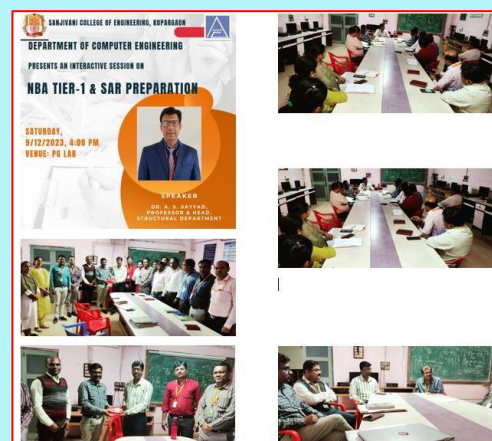
The event report for the FDP (Faculty Development Program) held on 12th March 2023, focused on "NEP2020 in Creating Engaging Environment for Learning & Technology Leadership," is now available. This insightful session, featuring a guest lecture by RPG Zensar, delved into the dynamics of the National Education Policy 2020 and its implications on fostering engaging learning environments and nurturing technology leadership. The report captures the key highlights and key takeaways from this informative event.

- **Guest Lecture on “Building Self Confidence by increasing Self Love”**

"Building Self Confidence by increasing Self Love," and featuring Ms. Priya Jain, a renowned psychologist from KLH Deemed to be University in Hyderabad, is now available. This lecture provided valuable insights and strategies on enhancing self-confidence through self-love. The report summarizes the key points and takeaways from this empowering session.

Industry Programs & Social Events under IIIC

- **“Interactive Session on NBA Tier 1 and SAR Preparation”**



On the 9th of December 2023, the Computer Engineering Faculty engaged in an enlightening Interactive Session centred around NBA Tier 1 and SAR Preparation. With 16 participants actively involved, the event facilitated a comprehensive exploration of the intricacies involved in achieving Tier 1 accreditation and navigating the Self-Assessment Report (SAR) process. Throughout the session, participants delved into key concepts, strategies, and best practices essential for meeting accreditation standards and ensuring academic excellence. The event fostered a dynamic exchange of ideas, enabling faculty members to gain invaluable insights and enhance their proficiency in navigating accreditation requirements.

- **“Opening ceremony : CENTRE OF EXCELLENCE, inauguration and expert talk by SUMAGO team”**



On the 9th of December 2023, the Computer Engineering Faculty engaged in an enlightening Interactive Session centred around NBA Tier 1 and SAR Preparation. With 16 participants actively involved, the event facilitated a comprehensive exploration of the intricacies involved in achieving Tier 1 accreditation and navigating the Self-Assessment Report (SAR) process. Throughout the session, participants delved into key concepts, strategies, and best practices essential for meeting accreditation standards and ensuring academic excellence. The event fostered a dynamic exchange of ideas, enabling faculty members to gain invaluable insights and enhance their proficiency in navigating accreditation requirements.

“Expert Lecture on Research Paper Writing”



On February 16th, 2024, T.Y. B. Tech Computer Engineering Students gathered for an insightful Expert Lecture on Research Paper Writing. The session, facilitated by seasoned professionals, offered a comprehensive exploration of the principles and practices essential for crafting impactful research papers. With an impressive turnout of 50 participants, the event fostered an interactive learning environment where students actively engaged with the material. Attendees eagerly absorbed practical tips and strategies, equipping themselves with the tools necessary for academic success. Throughout the lecture, students had the opportunity to ask questions and seek clarification, enhancing their understanding of research paper writing methodologies. The event concluded with a sense of empowerment as students left inspired and better prepared to excel in their academic endeavours. A photograph captured the dynamic exchange, immortalizing the collaborative spirit of the session.

• “Campus to Career Program”



Sanjivani Alumni Network of Sanjivani Group of Institutes, Kopergaon, organized a webinar titled "Prospects of Mechanical Engineering" tailored for all students, with a special focus on those from the Computer and IT departments. The webinar series is part of the Alumni Association's ongoing efforts to foster connections and provide valuable insights to stakeholders. Mr. Binoo Matavana, CEO/Founder of WIAN, Bangalore, and an esteemed alumni of SCOE, shared his expertise in an online session titled "Campus to Career Program" on February 22nd, 2024, organized by the Students Alumni Relations Cell (SARC). Beginning at 02:00 pm on the Google Meet platform, the session commenced with a warm welcome from Prof. A.D. Sangale, setting the stage for an enlightening discussion on transitioning from campus life to a successful career journey.

• “Under Sanjivani My Storyboard - Industry-Based SAP Career Guidance”



The SAP Club hosted the event "Under Sanjivani My Storyboard - Industry-Based SAP Career Guidance" on March 1, 2024, at 10:00 AM in the 007 Polytechnic Hall. Mr. Sachin Jagtap, a Senior Software Engineer at Tech Mahindra, Pune, was the guest speaker. He shared valuable insights into the SAP industry, emphasizing the importance of adaptability and continuous learning. Attendees learned about overcoming academic and professional challenges through Sachin's personal experiences. The event successfully motivated students to pursue their SAP career aspirations with confidence.

- **“Under Sanjivani My Storyboard – Industry Expectations from graduates”**

The Internal Quality Assurance Cell (IQAC) hosted a webinar on April 2, 2024, from 10:00 to 11:00 AM, coordinated by Dr. B. J. Dange and Dr. S. R. Deshmukh. The session focused on understanding current trends in the IT industry, industry expectations from graduates, and preparation for placements. Key highlights included a discussion on the evolving landscape of the computer engineering industry, emphasizing the importance of technical skills, soft skills, adaptability, and continuous learning. Students gained valuable insights into employer expectations and industry practices, equipping them better for their future careers.

- **“Sanjivani I Connect – Industry Expectations from SCOPE-SUMAGO”**

The Internal Quality Assurance Cell (IQAC) organized an event titled "Sanjivani I-Connect (Industry Expectations from SCOPE-SUMAGO)" on April 5, 2024, from 1:00 to 3:00 PM. Coordinated by Dr. H. E. Khodke, Dr. B. J. Dange, and Prof. P. B. Dhanwate, the event was

focused on introducing students to AWS and DevOps. The session began with a discussion on the evolving IT industry landscape and employer expectations from new graduates. Emphasis was placed on the significance of AWS and DevOps in current industry practices. Students gained a deeper understanding of IT trends, industry expectations, and essential preparation for placements



Participants were engaged through interactive discussions and practical examples, making complex concepts more accessible. The workshop included live demonstrations of AWS and DevOps tools, providing hands-on experience. Industry experts highlighted real-world applications and best practices, preparing students for future challenges. The event concluded with a Q&A session, allowing students to clarify doubts and gain deeper insights.

- **Sanjivani College of Engineering in association with Industry Institute Interaction Cell organised a “Guest lecture of Mr. Masato Sampei (CEO-Asia to Japan)”**



On December 20, 2023, Sanjivani College of Engineering, in collaboration with the Industry Institute Interaction Cell, hosted a guest lecture by Mr. Masato Sampei, CEO of Asia to Japan.

The event was graced by the presence of Dr. A.G. Thakur (Director, Sanjivani College of Engineering), Dr. D.B. Kshirsagar (HOD, Computer Engineering), and Prof. Atul Mokal (Dean, Industry Institute Interaction), who warmly welcomed Mr. Sampei. During his interaction with the students, Mr. Sampei encouraged them to step out of their comfort zones and shape their futures proactively. We extend our gratitude to Mr. Sampei for his insightful session and commend the Industry Institute Interaction Cell for organizing this event. We wish our students great success in their future endeavors.

- **"Industry Awareness Outreach Program," ZF Group visited Sanjivani College of Engineering to discuss "Software Defined Vehicles".**



As part of the "Industry Awareness Outreach Program," ZF Group visited Sanjivani College of Engineering to discuss 'Software Defined Vehicles.' Arunchandran B delivered an exceptional presentation to an audience of over 300 participants. The enthusiastic participation from students and faculty, led by Atul Mokal, made the event a success. This session underscored the importance of educational partnerships in advancing e-mobility and software innovation, highlighting ZF Group's commitment to inspiring the next generation of engineers and innovators.

- **Sanjivani College of Engineering has "signed MoU with Amazon for becoming official partner at AWS Tech India Alliance".**



On February 15th, Sanjivani College of Engineering joined the AWS Tech India Alliance launching event in Bangalore, signing a MoU with Amazon to become an official partner. This partnership will provide our students and faculty with access to AWS's cutting-edge cloud technologies, resources, and training programs. The collaboration aims to enhance educational experiences, facilitate research initiatives, and contribute to technological advancements, driving innovation and inspiring future tech leaders in India.

- **"Industry Awareness Outreach Program," ZF Group visited Sanjivani College of Engineering to discuss "Software Defined Vehicles".**



On March 20, 2024, Sanjivani College of Engineering hosted an industry guest talk by Rishi Dahiwad, a renowned FXTD and Houdini FX artist. Rishi, who freelances for Unreasonable Studios and SUPERDUPER Studios, shared insights from his impressive career, which includes work for the Los Angeles Film School and Teesside University. His notable contributions to high-profile projects such as "Brahmastra," the "Halo" web series, and "DreamWorks Dragons: The Nine Realms (2023)" captivated the audience. The session provided valuable industry knowledge and inspiration for aspiring artists and technologists.

Best Academic Practices

- **ICT based learning:** Use of LCD projectors/smart boards and provision for interactive teaching learning.
- **Collaborative / Cooperative teaching / learning:** Students share knowledge or discuss topics in small group or in peer mode.
- **NPTEL and SWAYAM:** The faculty members are using E-sources such as NPTEL and SWAYAM courses for effective teaching. The same also provided to the students in order to develop self-learning and life-long learning skills.
- **Assignments based problem solving:** Assignments are given to students on problems and they solved by themselves. Assignments are based on COs which helps to achieve Program Outcomes.
- **Laboratory / video based demonstration:** Demonstration of system or parts of a real world system using modern tools.
- **Group discussion/ presentation:** Students learn through group discussion or asked to deliver short presentation on a topic.
- **Expert Lecture:** Department, with the prime vision of enhancing technical competency of our students, has organized various guest lectures by inviting experts from Industry and Academia to lend valuable guidance on latest technical drive, industry expectations and avenues for knowledge
- **Internship:** At the end of every semester or in vacation time students is allowed to carry out internship in reputed industries/companies to get practical exposure from industries. It helps the students to bridge the gap between the subject's studies and industrial need.
- **Industrial Visits:** Industrial visits are arranged to get the student's acquainted with industrial environment and work ethics.
- **Project Based Learning (PBL):** Project Based Learning (PBL) is significantly more effective than traditional instruction to train competent and skilled practitioners and it promotes long-term retention of knowledge and skills. It is an innovative practice that is used to implement Outcome Based Education Students is encouraged to carry out mini projects to apply their engineering knowledge from third semester onwards till seventh semester.
- **Continuous Internal Assessment CIA:** Continuous assessment is conducted for theory as well as laboratory courses. In theory courses, questions are asked based on the Course Outcomes and RBT levels. Whereas in lab courses, continuous assessment is conducted on the basis of predefined rubrics.
- **Mentoring System:** Faculty members assigned 20 students of respective class and accordingly mentor them to achieve their goals and grades. Mentoring happens at the departmental level.
- **Foreign Languages** exposure for global opportunities.
- **Foreign University** collaborations.
- Choice Based Subjects.
- **Professional and open electives.**
- **Online Courses, training and certification courses.**
- Industry based **training and hire program.**

Faculty Achievements



Dr. Thupakula Bhaskar

Dr. Thupakula Bhaskar Appointed as Editor-in-Chief of MAT Journals' Journal of Knowledge in Data Science and Information Management for 2024-25



Certificate



Prof. A. B. Mokal

Prof. Atul B. Mokal has received an appreciation award for his dedicated efforts in fostering collaboration between the institution and industry. Presented by the Vice Chancellor of SPPU during Amrut Sanvad: The HR Meet 2024.



Prof. A. B. Mokal has been honored by ZENSAR for his exceptional work in facilitating student communication between industry and the institution. This recognition highlights his dedication to bridging the gap between academia and industry, providing students with valuable opportunities for professional development.



Certificate

Student Achievements



SANJIVANI GROUP OF INSTITUTES




Congratulations



FOR SELECTION AT INTERNATIONAL INTERNSHIPS AND M.S.



M.S.	INTERNSHIP			
 Thota Hema Sai University of Surrey, University of Aberdeen, Queen Mary University of London	 Sanskriti Santosh Gambhire National Taiwan University of Sci Taiwan	 Deepti Shivaji Khond Athabasca University Canada	 Bhaskar Akanksha Vikram National Changuha University of Taiwan	 Deokar Mansi Anil University of Aberdeen Taiwan
 Navnath Sachin Kate University of Greenwich London	 Anushka Babasaheb Deokar University of Calgary Canada	 Sakshi Chaudhari National Chung Cheng University, Chiayi Taiwan	 Chandar Vaishnavi Chandrakant Athabasca University Canada	 Alok Arvind Pandey Tainan University of Technology Taiwan
 Nakul Vijay Nibe Bristol University, UK.	 Om Rajendra Deokar Taipei Medical University, Taiwan	 Tejas Anil Nikumbh BEIC, Tunisia	 Vishal Dnyaneshwar Kekan National Chung Cheng university, Taiwan	 Tupake Prasad Dadasaheb National Chung Cheng University, Chiayi Taiwan
 Chinmay Omkar Bitne Arizona State University USA	 Rohit Kakasaheb Ingle University of Manitoba Canada	 Krushna Dilip Gund Mount Royal University Calgary Canada	 Ghige Onkar Dipak National Kaohsiung University of Taiwan	 Amey Rajesh Avhad National Chung Cheng University, Taiwan

SANJIVANI COLLEGE OF ENGINEERING

AUTONOMOUS | NAAC "A" | NBA

www.sanjivani.org.in

COURSES OFFERED

Engineering | MBA | Polytechnic | Pharmacy | BAMS | Senior college | Junior College | Schools

 **9130191301**
 **Kopergaon, A.Nagar**

Programs Educational Objectives (PEOs)

1. To prepare the committed and motivated graduates by developing technical competency, research attitude and life-long learning with support of strong academic environment.
2. To train graduates with strong fundamentals and domain knowledge and update with modern technology to analyse, design and create novel products & provide effective solutions for social benefits.
3. To exhibit employability skills. Leadership and right attitude to succeed in their professional career.

Program Specific Outcomes (PSOs)

1. The ability to apply knowledge of problem solving , algorithmic analysis, software engineering, Data Structures, Networking, Database with modern recent trends to provide the effective solutions for Computer Engineering Problems.
2. The ability to inculcate best practices of software and hardware design for delivering quality products useful for the society.
3. The ability to employ modern computer languages, environments, and platforms in creating innovative career paths.

Editorial Board



Dr. Ajaykumar Thakur
Director SCOE



Dr. D. B. Kshirsagar
Head



Prof. Atul Mokal
Editor-in-chief



Prof. Priyanka B. Dhanwate
Faculty Member



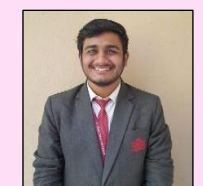
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Student Member



Ms. Vaishnavi Wakchaure
Student Member



Mr. Tanay Sasane
Student Member

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To, _____

Pin code

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