



Saraswati Education Society's

Saraswati College of Engineering

Plot No. 46, Sector 05, Near Utsav Chowk, Kharghar, Navi Mumbai- 410210

Department of Computer Engineering

Newsletter Jan 20- Jun 20

Vol. 24

VISION: “To develop a core of eminency in Engineering education and research.”

MISSION: “To educate students to become quality technocrats for taking up challenges in all facets of life.”

About Department

VISION: “To be among renowned institution in computer engineering education and research by developing globally competent graduates.”

MISSION: “1. To produce quality Engineering graduates by imparting quality training, hands on experience and value education.”

“2. To pursue research and new technologies in Computer Engineering and across interdisciplinary areas that extends the scope of Computer Engineering and benefit humanity”

“3. To provide stimulating learning ambiance to enhance innovative ideas, problem solving ability, leadership qualities, team-spirit and ethical responsibilities”



DEPARTMENT OF COMPUTER ENGINEERING

From the HOD's Desk:

We are glad to announce twenty fourth issue of our newsletter for academic year 2019-2020 aimed to closer interactions and enrich our student's talents and efforts. The objective of the newsletter is to mainly focus on the achievements of the students and faculty members of computer engineering department in curricular, co-curricular and extra-curricular activities.

Program Educational Objectives(PEO)-

- To embed a strong foundation of Computer Engineering fundamentals to identify, solve, analyze and design real time engineering problems as a professional or entrepreneur for the benefit of society.
- To motivate and prepare students for lifelong learning & research to manifest global competitiveness.
- To equip students with communication, teamwork and leadership skills to accept challenges in all the facets of life ethically.

Program Outcomes(PO)-

- Apply the knowledge of Mathematics, Science and Engineering Fundamentals to solve complex Computer Engineering Problems.
- Identify, formulate and analyze Computer Engineering Problems and derive conclusion using First Principle of Mathematics, Engineering Science and Computer Science.
- Investigate Complex Computer Engineering problems to find appropriate solution leading to valid conclusion.
- Design a software System, components, Process to meet specified needs with appropriate attention to health and Safety Standards, Environmental and Societal Considerations.
- Create, select and apply appropriate techniques, resources and advance engineering software to analyze tools and design for Computer Engineering Problems.
- Understand the Impact of Computer Engineering solution on society and environment for Sustainable development.
- Understand Societal, health, Safety, cultural, Legal issues and Responsibilities relevant to Engineering Profession.
- Apply Professional ethics, accountability and equity in Engineering Profession.
- Work Effectively as a member and leader in multidisciplinary team for a common goal.
- Communicate Effectively within a Profession and Society at large.
- Appropriately incorporate principles of Management and Finance in one's own Work.
- Identify educational needs and engage in lifelong learning in a Changing World of Technology.

Program Specific Outcomes (PSO)-

- Formulate and analyze complex engineering problems in computer science engineering (Networking/Big data/ Intelligent Systems/Machine Learning Systems)
- Plan and develop efficient, reliable and secure system and customized application software using cost effective emerging software tools ethically.

Departmental Events

Seminar on AI and ML

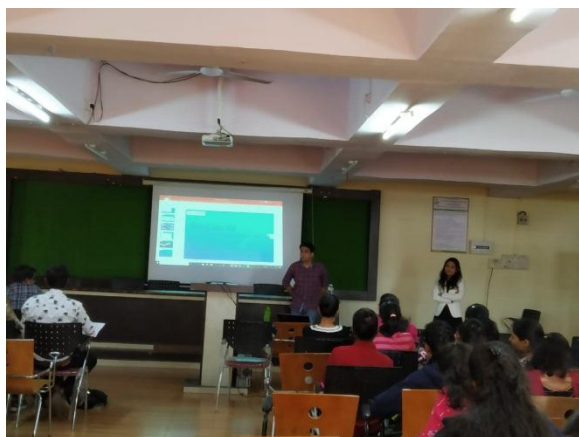
(Artificial Intelligence and Machine Learning)

(17th Jan, 2020)

The seminar was conducted by guest speaker and industry expert Mr. Pankaj Pawar. The students of second year of Computer Engineering and IT attended the seminar.

The main objective of this seminar was to educate students with the applications and scope of AI and ML. The speaker gave insights of industry and cleared the basic concepts. Further adding to his speech he shared tips to crack interviews and how AI/ML can cause disruption in job field.

The seminar had a doubt clearing session and had a warm response from the students.



Seminar on Microsoft Linux

(3rd Feb 2020)

The seminar was conducted by guest speaker and industry expert Mr. Ramesh Kharat and Mr. Harshit Shukla. The students of second year of Computer Engineering and IT attended this seminar.

The speaker started his speech by introducing himself and later went on explaining some industry applications of Linux. The speech was very direct and helpful in giving brief information, application and scope of Operating System.

The speaker gave insights of industry and cleared the basic concepts along with various commands of linux and its importance. He explained various shell commands and difference between UNIX and LINUX. The students were attentive throughout the seminar. The seminar ended with a doubt clearing session.





Workshop on NLP **(Natural Language Processing)** (12th Feb 2020)

The “Association of Computer Engineering” conducted workshop on “Natural Language Processing” which is also an elective subject in final year. The idea behind the workshop was to help students learn about the subject and gain practical experience. Prof. Tushar started with the introduction of NLP and basic concepts. The students were asked to get their laptops with the necessary software installed. Personal attention was given by the professor to the students who faced difficulty.

The workshop was concluded by felicitating the speaker Prof. Tushar. H. Ghorpade by the principal Dr. Manjusha Deshmukh.



Seminar on Machine Learning (3rd Mar 2020)

The seminar was conducted by Mr. Mayank Arora for third year students. In this Seminar, students learned about the basic machine learning concepts and examples, Basic probability notions, Bayesian inference, Nearest-neighbor algorithms, Decision trees. They were also briefed about working by exploring data, identifying patterns, and involving minimal human intervention.



Students Achievements

❖ Result

List of Toppers for Academic Year- (Jul-Dec 2019)

S.E. SEM-III

Name Of Student	SGPI	Rank
Dolly Pandey / Vivek Pathak	10	I
Aniket Prajapati	9.96	II
Nachiket Jadhav	9.23	III

T.E. SEM-V

Name Of Student	SGPI	Rank
Shubham Padale	9.26	I
Priyanka Patel	9.11	II
Anjali Jaiswal / Shubham Choghule	8.96	III

B.E. SEM VII

Name Of Student	SGPI	Rank
Mihir Samel	9.54	I
Akshay Rakh / Kalash Waingankar	9.12	II
Rahul Waghmare	9.08	III

Congratulations to the toppers of the department.

Placement Details

SCOE's training and placement cell organized placement drive by various companies the following students of computer department selected through this Campus Placement Drive.

Sr. No	Name of Students	Company Name
1	Rahul Waghmare	Capgemini / U-TO
2	Suraj Maurya	TCS / Infosys / Capgemini
3	Ria Nagaonkar	Capgemini
4	Abhay Gupta	Infosys / Capgemini / Sankey Solutions
5	Aishwarya Bobhate	Infosys
6	Mahendra Gaikar	TCS / Infosys
7	Ojas Deo	Infosys
8	Rutuja Jadhav	TCS / NSEIT
9	Subhash Mudaliar	TCS
10	Pritesh Parmar	TCS / U-TO
11	Omkar Bait	TCS / Reliance Jio
12	Aditya Naik	TCS
13	Shivshankar Ganapuram	TCS
14	Sonal Chavan	TCS / TSS
15	Kirti Deshmukh	TCS
16	Mihir Samel	Reliance Jio / NSEIT
17	Kardam Acharya	ATOS / Syntel
18	Manthan Jadhav	Tech Mahindra
19	Ninad Patil	Tech Mahindra
20	Ashish Parulekar	Nimap Infotech

21	Pranay Thasal	Allerin
22	Sayali Manjrekar	Sankey Solutions
23	Akshay Rakh	Sankey Solutions
24	Omkar Mestry	MindCraft
25	Rohini Jadhav	Bridge Labz
26	Himanshu Gharat	Bridge Labz
27	Amit Pawar	Bridge Labz
28	Vaibhav Dhabale	STELLAR Organization
29	Sameer Rangari	Nimap Infotech
30	Rupesh Chaurasiya	Nimap Infotech
31	Rahul Konuri	Nimap Infotech
32	Omkar Vaiti	Nimap Infotech
33	Dipesh Patil	Nimap Infotech
34	Tejas Waghare	Qspider
35	Pooja Pillai	Qspider

Heartiest Congratulations to the students who got placed in different companies. We hope you all will make us proud in the future as well.

Faculty Achievements

Ongoing Research Work

Sr. No.	Title of Project	Year	Author/Members	Funding Agency	Duration
1.	Green House Automation	2019-20	Prof. Sujata Bhairnallykar	Mumbai University	1 Year
2.	Automatic Inspection System using Image Processing	2019-20	Prof. Arti Gore	Mumbai University	1 Year

Publications in International Journals and Conferences

Name of the Publisher	Publications
Prof. Suhasini Parvatikar	Published a paper on “Categorization of Plant Leaf using CNN”, International Conference on Intelligent Computing and Networking, Feb 2020
Prof. Sujata Bhairnallykar	Presented a paper on “Emotion Analysis using Human Voice tones” in ICI 4.0:2020
	Presented a paper on “The GreenHouse Automation” in ICI 4.0:2020
	Presented a paper on “Goggle for Safe Driving using IOT” in ICI 4.0:2020
Prof. Bhagyashri Sonawale	Presented a paper on “Intrusion Detection System using Honeyword” in ICI 4.0:2020
Prof. Rina Bora	Presented a paper on “Hand Gesture Controlled Drone” in ICI 4.0:2020
	Presented a paper on “Detection of Diabetic Retinopathy using Convolutional Neural Networks” in ICI 4.0:2020
	Presented a paper on “Application for Online College Voting System Using Android Device” in ICI 4.0:2020
Prof. Arti Gore	Published a paper on “Automated Irrigation system using IOT”, International Journal of Innovative Science and Research Technology, Vol 5, Issue 2, Feb 2020
	Presented a paper on “Automated Detection of Polycystic Ovarian Syndrome

	using Neural Network Algorithm” in ICI 4.0:2020
Prof. Monali Deshmukh	Presented a paper on “Identification of Safest Path using Spatial Analysis” in ICI 4.0:2020
	Presented a paper on “Disease Characterization from PPA signal using AI” in ICI 4.0:2020
	Presented a paper on “Water Quality Tester Using IOT” in ICI 4.0:2020
Prof. Hemalata Gosavi	Presented a paper on “Automated Data Summarization” in ICI 4.0:2020
	Presented a paper on “Practical Lab Monitoring System” in ICI 4.0:2020
Prof. Sushant Kamble	Published a paper on “Pothole Detection System”, International Research Journal of Engineering and Technology, Vol 7, Issue 4
	Presented a paper on “Healthcare Monitoring and Alert Generation System” in ICI 4.0:2020
Prof. Ashima Goyal	Published a paper on “Plant Disease Diagnosis for smart phone application with extensible set of disease”, International Journal of Innovative Science and Research Technology, Mar 2020
	Published a paper on “Fruit Quality Inspection using Image Processing”, International Journal of Innovative Science and Research Technology, Mar 2020 International Journal of Innovative Science and Research Technology