



SARASWATI Education Society's
SARASWATI College of Engineering

Learn · Live · Achieve and Contribute.

Kharghar, Navi Mumbai - 410 210.

DEPARTMENT OF INFORMATION TECHNOLOGY

NEWSLETTER VOL-18

(JAN 19-JUN 19)

Our Inspiration

Hon. Shri Prithviraj Deshmukh

Chairman, SES

Mrs. Vrushali Deshmukh

Founder Secretary, SES

Dr. Manjusha Deshmukh

Principal, SCOE

VISION

“To become center of excellence in Engineering education and research”

MISSION

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

EDITORS:-

Dr. Manjusha Deshmukh (Principal)

Prof. Vaishali Jadhav (HOD)

Prof. Pragati Pejlekar(A.P)

ABOUT DEPARTMENT: -



INFORMATION TECHNOLOGY

“VISION”

To Create Technically Qualified Talent Through Research To Take Up Challenges In Industries.

“MISSION”

1. To Impart Quality Education.
2. To Develop Technical and Managerial Skills through Training
And Modern Teaching-Learning Process.

FROM THE H.O. D'S DESK:

The Department of Information Technology is steadily performing well in all the domains including academics and extracurricular activities. With all well-equipped tool, the department has facilitated the students to build their personality and technical skills by conducting various skill development programs throughout the year.

We are glad to announce eighteenth issue of our newsletter for academic year 2018-2019 aimed to closer interactions and enrich our student's talent and efforts. The objective of the newsletter is to mainly focus on the achievements of the students and faculty members of Information Technology department in curricular, co-curricular and extra-curricular activities.

PROGRAM EDUCATIONAL OBJECTIVE:

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

PROGRAMME OUTCOME:

- Apply the knowledge of Mathematics, Science, Engineering fundamentals to solve complex Information Technology Engineering Problems.
- Identify, formulate and analyze Information Technology Engineering problems to derive conclusion using first principles of mathematics and Computer Science.
- Investigate complex Information Technology engineering problems and find appropriate solution leading to valid conclusion.
- Design IT systems, components or processes to meet specified needs with appropriate attention to health, safety, standards, environmental and societal consideration.
- To create select & apply appropriate techniques, resources advance engineering & software tools necessary to analyze & design Information Technology Problems.
- Understand the impact of IT Solutions on society and environment for sustainable development.

- Understand social, safety, culture and 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 with society at large.
- Appropriately incorporate principles of Management & Finance to one's own work.
- To identify Educational needs & engage in lifelong learning in a changing word of technology.

FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING:

The Department of Information Technology of Saraswati College of Engineering organized a Faculty Development Program for Faculty on Machine Learning with Hands on PYTHON. Event was honored by presence of **Mr. Pankaj Pawar**. He was completed his Mtech from IIT Madras. He has industrial field experience in machine learning, python and Data mining. He worked on many Industrial AI projects.

The main objective of this course is to provide practical foundation level training that enables immediate and effective participation in big data and Data Science and other Analytics subjects.



WORKSHOP ON MACHINE LEARNING THE PRACTICAL APPROACH:

The Department of Information Technology of Saraswati College of Engineering organized a two day's workshop on Machine Learning the Practical Approach in Association with GeeksLab Technology. The seminar has been organized for third year students; 67 students participated in this seminar.



Event was honored by presence of **Mr. Rishav Kumar** he is a Tech Enthusiast with expertise in Data Science, Analytics, Artificial Intelligence, Machine learning. He was experience in diverse domains including Educational Training, Tech R&D operations, and Industrial Project development.



The main objective of the workshop is to make students acquainted with the conceptual as well as practical knowledge of Machine Learning with various applications and their development.



INTERNATIONAL SEMINAR ON MACHINE LEARNING:

Department of Information Technology organized an International seminar on Machine learning. This seminar was basically intended for all students of Information Technology. Number of attendees for this seminar was around 130.



The main Objective of the seminar is to guide students to develop an emerging field at the intersection multi-disciplinary understandings of technical culture and technical education.



Seminar was delivered by **Mr. Ajinkya Kolhe**. He is Data science Engineer & Machine Learning Instructor, Google Cloud - Google, Mumbai. He guided students with current opportunities in field of Data science.

Seminar mainly covered different applications of Artificial Intelligence (AI) and Machine Learning (ML) along with correlation between AI and ML. He also emphasized on job opportunities available currently in field of Machine learning.

SEMINAR ON BLOCK CHAIN:

Department of Information Technology organized an seminar on Block Chain Technology. Seminar was delivered by **Mr. Vikash Kumar**, Chief Marketing Officer, KMPARDS EDUTECH LIMITED. He have played varied roles and been an e-Specialist in the sphere of Technology, Digital and Online Communication as well as in e-Businesses in different organizations in India and abroad. He guided students about importance and use block chain technology as well as explained the opportunities in industries. Number of attendees for this seminar was around **180**.



Seminar mainly covered Blocklogy which is an educational mobile application developed by KMPARDS to educate students of all age groups on the subject of blockchain. The app will have diverse topics related to various Blockchains and their applications and will be upgraded time to time.



Objective of seminar is to understand the scope of blockchain revolution. It is necessary to recognize a speeding up of hi-tech innovation which includes the tendency towards better connection with related parameters, such as rules and their fulfillment, changes in banking practice, and increased rivalry with start-ups that take advantage of their quickness to have a strong impact on the outdated financial sector.

WORKSHOP ON CROSS PLATFORM MOBILE APPLICATION:

The Department of Information Technology organizes a three day's Technical hands-on workshop for the students on Microsoft certification on **Cross Platform Mobile Application Development**. Number of attendees for this workshop was around 18. Workshop was conducted by **Mr. Suresh Pal**, in association with ATS Pvt. Ltd.



The main objective of the workshop is to make students acquainted with the conceptual as well as Practical knowledge of Mobile Application Development on Cross Platform. Intent of this workshop is towards increasing the employability skills of students with complete hands-on training.

Topics covered in workshop – Introduction to mobile based application, walking with android, CSS, Apache Cordova.



After the completion of this workshop students have attained an ability to – Understand mobile application development using CSS, to make app and install in our device, develop industry-based project.

SEMINAR ON DIGITAL MARKETING:

The Department of Information Technology organizes a Technical seminar for the students on Digital Marketing. Number of attendees for this seminar was around 85. Seminar was conducted by **Mr. Sanjog Director Sales at ZappCode Solutions**.



Digital marketing provide the online presence for business through website and social media.

The main objective of this seminar is to expose job opportunities in Digital marketing for IT, students. Also get idea how digital marketing works.



After the completion of this seminar student get idea about digital marketing area and also get to know job opportunities in same media.

AVISHAKAR-2019:

The Department of Information Technology organizes an AVISHAKAR-2019 based on Software, Hardware, Mechanical, Automobile, and Civil engineering. Event had overwhelming response in terms of participation. There are different participants from all departments. Total 47 groups have participated in software theme. This competition has provided a

platform to the budding engineers to showcase their creative and innovative project ideas to compete in the global competitive engineering field.



Chief Guests:

Mr. Shishir Kande Working as Chief Technology Officer at BenchMark Computer Solutions Pvt.Ltd.

Main objective of this competition was to provide a platform to students to showcase their talent, research orientation, technical skills and creativity.



Anjal Afghan and Mrutunjay Musale from Information Technology Department got First Prices in AVISHKR-2019.

MOU BETWEEN SARASWATI COLLEGE OF ENGINEERING AND BLOCKLOGY EDUTECH PVT. LTD.

The purpose of this MOU is to facilitate academic and technical cooperation for students as well as faculties. They provide Summer Internship for students, faculty development programs, Technical seminars, workshops which is beneficial for students and faculties.



FACULTY DEVELOPMENT PROGRAM ON BLOCOLGY:

The Department of Information Technology organized a one-week Faculty Development Program on **Blocklogy** under CSI. Total 29 faculty participated in this workshop from internal and external.

The workshop was conducted by-

1. Mr. Vikash Kumar (CMO-Blockchain Developer)
2. Mr. Yogiraj Rao (Head- Blocklogy)
3. Mr. VanshTah (Blockchain Developer)
4. Ms. Tanvi Barge (blockchain Trainer)



The main Objective of this workshop is- Comprehend the Blockchain technology and the key concepts, understand Ethereum Blockchain and learn Solidity Programming Language to develop smart contract, Deploy private blockchain on the Deploy and test business network using Composer, Develop a private Blockchain in MultiChain, discuss the compelling use-cases of Blockchain.





After completion of this workshop Faculty got the detailed idea about BlockChain Technology and its use in recent area as well as in government sector. Also, they learn to develop Smart Contracts for BlockChain, They have deployed the private BlockChain on test business network.

ACTIVITIES (2018-19)

- NPTL online certification done by **Ms. Vaishali Jadhav** in **Machine Learning for Engineering and Science Application**.
- **Ms. Kirti M.** and **Ms. Shraddha S.** attended one day orientation program for the subject **“Mobile Application Development”** and **“Android App Development Lab”**.
- **Mr. Pravin Shinde** attended one day orientation program for the subject **“Intelligence System”**.

PUBLICATIONS (2018-19):

[1] **“Efficient Search Over Massive Open Online Course”** IJRTI by Mrs. Anuradha Dandawate

[2] **“Data Analysis Using Dashboard”**, International Journal of Science & Engineering Development Research by Ms. Pragati Pejlekar

[3] **“Targeted Advertising using Behavioral Data and Social Data mining”**, International Journal of Science & Engineering Development Research by Ms. Pragati Pejlekar

[4] **“Automatic Text Summarization using Local Scoring and Ranking”**, IJRIT by Ms. Diksha Kumar

[5] **“A Technological Solution for Cleaning and Maintenance of Sewage system”**, MULTICON-2019 by Ms. Diksha Kumar.

[6] **“Barrel delivery and Surveillance System for Petroleum Industry”**, CJMR-2019 by Mrs. Ragini Sharma.

[7] **“Pothole Detection”**, IJRIT by Mrs. Ragini Sharma.

[8] **“RFID Based Smart Trolley”**, IJRT by Ms. Kirti Mahamunkar

[9] **“Object Detection and Currency Recognition Using CNN”**, CJMR by Ms. Kirti Mahamunkar.

[10] **“Honeywords the New Approach for Password Security”**, IJRT by Mrs. Vrushali Thakur.

[11] **“Verifiable Blockchain Based data Sharing”**, IJRT by Ms. Shraddha Subhedar.