



IT NEWS LETTER

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 Information Technology
UG Program NBA Accredited

Departmental News Letter
Volume X, Issue II
August 2022
For internal circulation only.

VISION

To develop world class IT professionals through quality education.



Mission of Department

To create Academic Excellence in the field of Information Technology through Education, Industry Interaction, Training and Innovation to improve quality of life of people.

We are committed to develop industry competent technocrats with life-long learning capabilities and moral values.

FROM HOD'S DESK



Dear Readers,

I am very fortunate to work with such dedicated, innovative, and hardworking staff members, parents, and students. I am very happy to share that we have received Accreditation from NBA, Delhi consecutively third time. I find each day an adventure filled with new experiences, learning for all, and a chance to constantly widen our horizons. It always gives me great pleasure to see the sea of enthusiastic people around me.

This semester had been very happening for all of us... We as a department were recognized everywhere... Be it with sports activities or placements or participation at various internal and external events. For this, our students are encouraged constantly and are given enough guidance and practice before being exposed to any of the events.

I am very much sure that our students when they graduate from IT, Sanjivani, would be well equipped with the skills, mindsets, and qualities that will best enable them to strive for success in the world of the future. With the nurturing they are getting from this environment they would definitely become future leaders and role models in our society.

This time we also received great support from our alumni network to boost the morale and technical competence of our students.

We are striving hard to make the best possible efforts to inculcate strong values combined with academics and extra-curricular activities in the students. Converting every individual into a self-reliant and independent citizen.

We are taking a great leap in integrating tie-ups with

various outside institutions to give exposure to our students to the experience of outside learning.

I would like to end with the words of Albert Einstein:

"Imagination is more important than knowledge. For while knowledge defines all we currently know and understand, imagination points to all we might yet discover and create."

- Dr. Madhuri A. Jawale

Professor and Head
Department of Information Technology

FROM EDITOR'S DESK



Dear Spectators,

I am happy to publish a new issue of this year. I am thankful to Director, Head, all my colleagues and students for their support and contribution for publishing this new Issue.

As you know, we are flourishing everywhere... We all have done it together... 3rd time consecutively we got NBA accreditation. I have been the witness of the effort put by all around me... In all of these happening times we maintained our academics very well. We also have been sharpening our skills with the help of various programs at our department and institute and we are seeing the results in the form of placements in reputed organizations... We are ready to face this new beginning after COVID where the world is beautifully carving its way with software... at the same time we must be careful about our participation at our families, society and Nature... I am sure our students be the SCULPTORS of FUTURE WORLD... All the very best for the new challenges coming

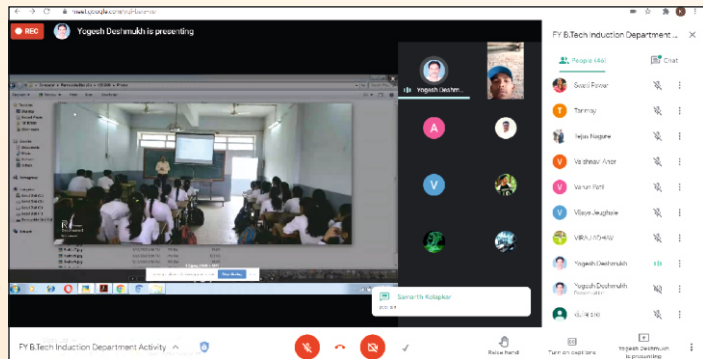
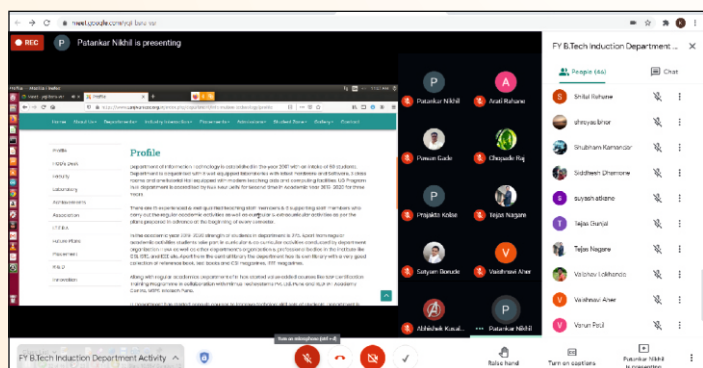
NEWS AT A GLANCE

- It's pride moment to announce that Department has been awarded with an accreditation from National Board of Accreditation, Delhi for three years till June 2025.



Managing Trustee, Honorable Amitdada felicitating Head, Dr. Madhuri Jawale for this achievement. Director, Dr. Ajaykumar G. Thakur was present at the time of felicitation.

- Department has organized Induction program to welcome our first year students during 1st February 2022 to 7th February 2022. Program started with Introduction to the department. Head of the Department, Dr. Madhuri Jawale interacted with the students and introduced department along with faculty members. In other sessions, information about department associations like ITERA, CSI and value added courses like SAP, Redhat is given by respective in-charges.



- Department of Information Technology has organized an event Sanjivani My Story Board for Information Technology, Computer Engineering and Electronics and Computer Engineering students of T.Y.B.Tech. The event was held on **2nd March 2022** in Gallery Hall-025. The Guest for the event was **Ms. Priti Bakale, Associate Vice President, Pune**. At the time of event, Dr. D. B. Kshirsagar, HOD Computer Engineering, Dr. Madhuri Jawale, HOD Information Technology, other faculty members of respective department and a total of 136 students were present. Dr. Madhuri Jawale welcomed resource person. Dr. D. B. Kshirsagar thanked to Ms. Priti Bakale for accepting the invitation. In the first half of the Talk, Ms. Priti Bakale made students aware about the **Winjit Rise Training Program** and the Criteria for applying the same. In the second half, she has given the workflow of the training program by demonstrating a short presentation about web development framework such as Node.js, Angular JS, SQL etc. She further explained about Frontend and Backend development, Web Application, Difference between Angular JS and Node.js etc.

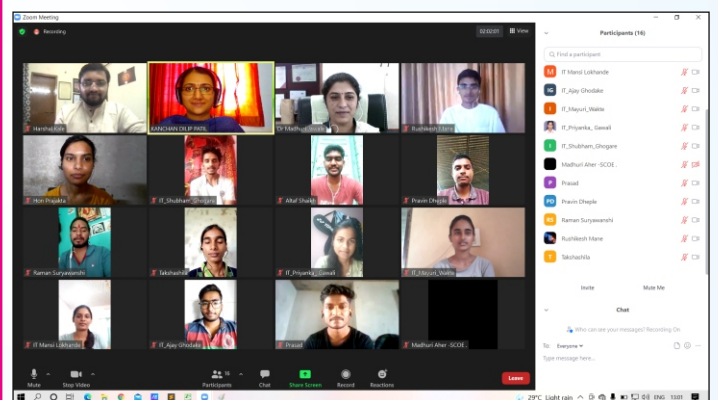
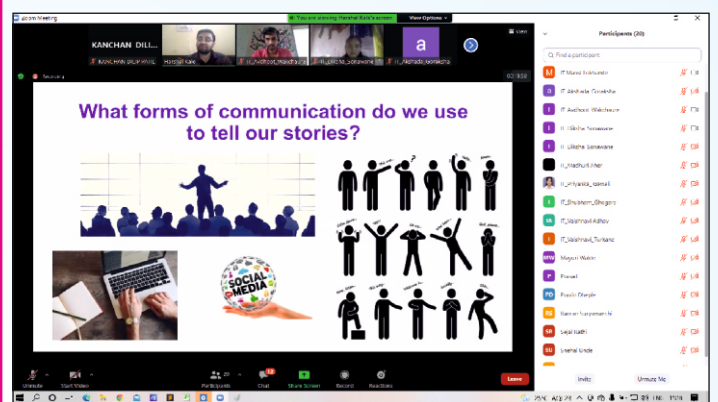
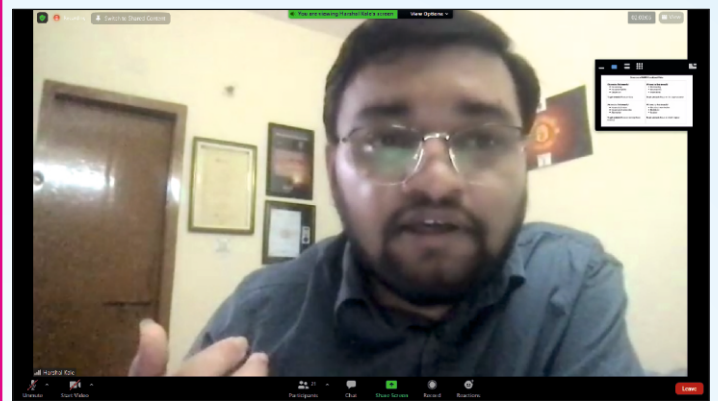
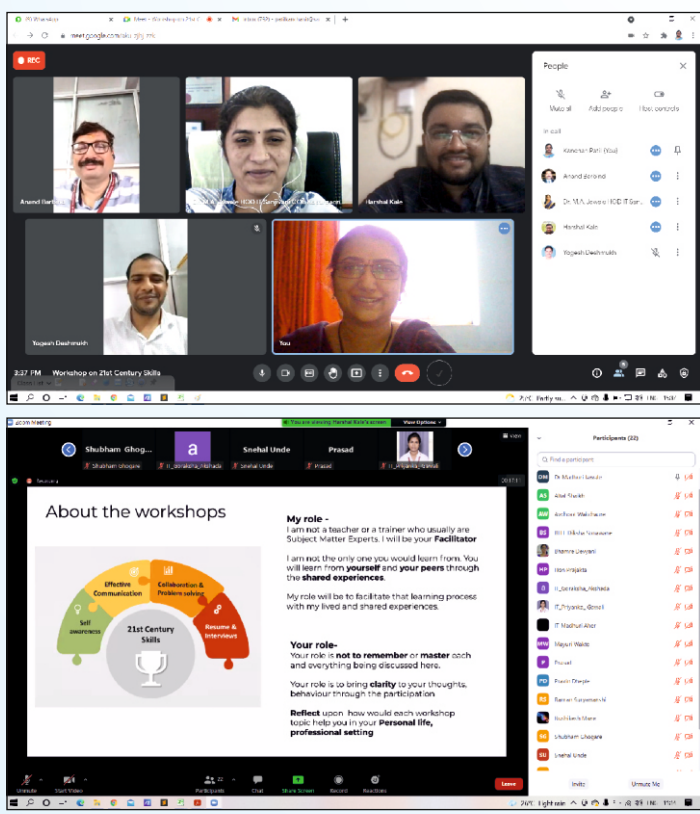


- Department has organized Parents Meet exclusively for FY class on 7th March 2022 at 3.00 P.M. Parents of F.Y. class grace the event. The main objectives of the meet were to share the performance of students in Academics as well as in Extra Curricular activities, to provide details about all different activities initiated by the department for overall development of students, to provide details about the exam pattern in autonomous, to get the suggestion and feedback from parents about the development of their wards etc..





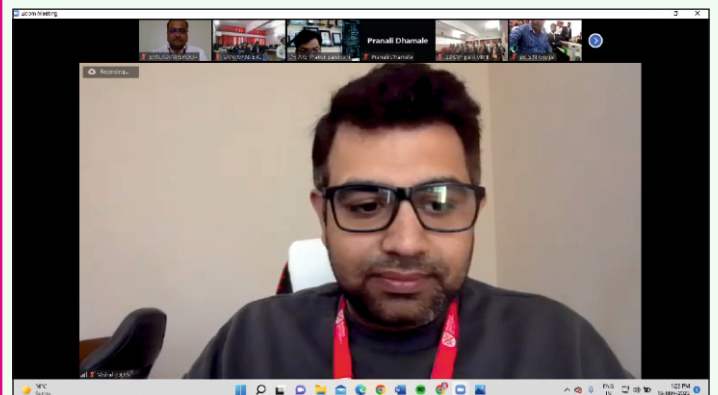
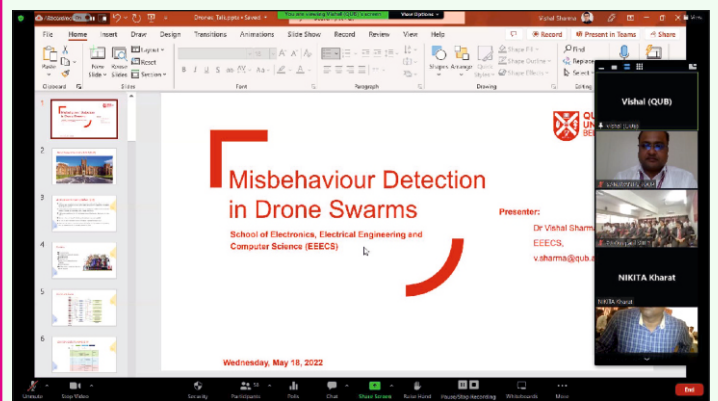
- Department of Information Technology, Sanjivani College of Engineering, Kopergaon had organized a Workshop on '21st Century Skills' for final year students of Information technology. The Workshop was held in online mode. The workshop was developed on the basis of Adult learning principles (Andragogy) by creating a conducive and safe space for the participants. The entire workshop was focused upon Learner centered, performance based philosophy. 20 participants attended the workshop. Mr. Harshal Kale, Leadership and Organization Development Consultant, Delhi was the resource person for the workshop. In the inaugural function of the workshop Dr. Madhuri Jawale, Head, Department of Information Technology welcomed Mr. Kale and appealed all the students to participate actively and motivated participants to take some tips from resource persons for campus interview. Mrs. Kanchan Patil coordinated the event.



- Department of Information Technology, Sanjivani College of Engineering, Kopergaon organized a session on “Introduction to Cyber Security” by Ms. Shivani Shah, T.Y.B.Tech. IT for students of S.Y.B.Tech. The session was held on 4th May 2022. At the time of session, Dr. Madhuri Jawale, Head, Information Technology, other faculty members of the department and a total of 55 students were present. Dr. Madhuri Jawale appreciated Shivani for her thrust and knowledge in the field of Cyber Security. She has started with Introduction to Cyber Security, How to identify safe Internet sites, Types of Cybercrimes, How to recognize fraudulent emails, Website spoofing, Credit card frauds, How to identify and protect your system from Malware attack etc.



- Department has organized a webinar on 18th May 2022. The topic of the webinar was “**Misbehavior Detection in Drone Swarms**” in which, the current Issues and Security concerns were discussed and explained in detail. Major focus was on Zero Day attacks in Drones for IoT. Prof. Vishal Sharma, Assistant Professor, School of Electronics, Electrical Engineering and Computer Science Building, Queen's University Belfast (QUB), NI, UK shared his experiences with the students during his interaction. He was certain that the academic standards and extracurricular activities at Sanjivani college of Engineering, Kopergaon, had been a good approach to mould students' lives. Ms. Nikita Kharat of the TY B.Tech IT Department hosted the event. Dr. A. G. Thakur, Director of Sanjivani College of Engineering, gave a brief overview of the Institute and its activities. The Webinar was attended by Dr. Madhuri Jawale, Head of IT Department, and Dr. Mahendra Gawali, Dean International. Throughout the Webinar, faculty and students from the all departments were present and interacted with Prof. Vishal Sharma.



- Department has facilitated all the placed students and their parents on 14th June 2022.





Some Glimpses of the event

- Sanjivani College of Engineering has signed MOUs with different industries. Under these MoUs, students get the opportunity of Internship, Certificate Training, Industry specific course, Placements, Sponsored Project Certification etc. Recently Sanjivani COE signed a MoU with Automaton AI Info System Pvt. Ltd, Datametica, CELEBAL Technologies, Applied AI Consulting, Winjit Technology etc. Through this initiative, from the department, 32 students completed training sessions conducted by Celebal Technologies and 14 students completed training sessions conducted by Winjit Technologies.





- Mr. Sharthak Acharjee and his team, Celebal Technologies, Hon. Amitdada Kolhe, Managing Trustee, and other dignities were present at the time of MoU signing.

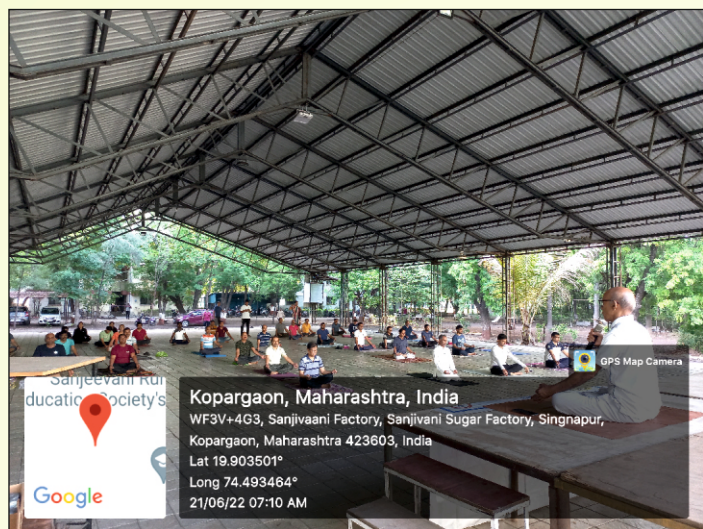


Celebal Technologies have selected students for Internship. College has Facilitated students and parents.

- Let us congratulate our students Mr. Goraksha Rushikesh Vijay, Ms. Phepale Rutuja Bandu, Ms. Hon Prajakta Dadasaheb, Ms. Pagar Arti Rajendra, Ms. Payal Gotu Patel, Mr. Hrushikesh Balasaheb Bargal, Ms. Nagre Rutuja Dattatray, Ms. Lokhande Mansi Annsaheb, Ms. Navale Sakshi Rajendra, Ms. Patil Tejaswini Avinash, Ms. Petkar Sarthak Satish, Mr. Pangavhane Yash Ashok, Ms. Gadhave Sakshi Bhausaheb, Ms. Turkane Vaishnavi Jalindar, Ms. Dyaneshwari Chaudhari for successfully completing Global Certification in SAP ABAP which is valid worldwide. All the students are certified as **“SAP Certified Development Associate – ABAP with SAP NetWearer 7.50”**. Through this SAP program, our students Ms. Payal Patel and Mr. Akshay Shirsat have placed in Krypt Technologies with package of 8 LPA. Along with that, Ms. Vaishnavi Joshi and Mr. Soham Suryawanshi are placed in Delloitte, Ms. Ketki Bhirud is placed in Bosch and Mr. Kanawade Prasad is placed in Yash Technologies, Pune. Mrs. Kanchan Patil is working as SAP Department Coordinator.
- Department has initiated PARAKH – A Student Learning Assessment Project by AICTE to assess and improve technical, non-technical skills of students all over the India. All FY, SY, TY student of department did the registrations and completed the first assessment by Institute. This will help the students to build confidence and motivate them to make progress in personal and professional careers. It will also help to develop new learning programs that match with the student' interest and their skill sets. Ms. Megha Kurhe is working as a coordinator for the same.
- Our NSS team is always trying to work for society and organizes different activities such as Blood Donation Camp, Tree Planation, Awareness Drives etc. On occasion of International Yoga Day, 21st June 2022, the event was organized in Sajivani College of Engineering, Kopergaon at Solar Shed. Total 60 Staff had attended



the International Yoga Day Celebration. The guest, Dr. Nitin Zawar was welcomed and felicitated by Director of Sanjivani College of Engineering, Dr. A. G. Thakur. The guest was introduced by Dr. Nikhil Patankar and later the session was started.



CLASS TOPPERS

Class Toppers of January-2022 Exam

BEIT

Ms. Bhirud Ketki Bhuwaneshwar	: 10 SGPA (1st)
Ms. Chaudhari Dnyaneshwari Machhindra	: 10 SGPA (1st)
Mr. Cholke Pratik Tushar	: 10 SGPA (1st)
Ms. Dange Sakshi Sudhakar	: 10 SGPA (1st)
Mr. Goraksha Rushikesh Vijay	: 10 SGPA (1st)
Ms. Hon Prajakta Dadasaheb	: 10 SGPA (1st)
Mr. Jagdhane Vaibhav Dnyaneshwar	: 10 SGPA (1st)
Ms. Jape Rutuja Ramesh	: 10 SGPA (1st)
Ms. Kale Ashwini Dattatray	: 10 SGPA (1st)
Ms. Kolpe Rupali Prakash	: 10 SGPA (1st)
Mr. Kulthe Shubham Somnath	: 10 SGPA (1st)
Ms. Lokhande Mansi Annasaheb	: 10 SGPA (1st)
Ms. Mayuri Anil Wakte	: 10 SGPA (1st)
Ms. Navale Sakshi Rajendra	: 10 SGPA (1st)
Mr. Patil Pratik Vijay	: 10 SGPA (1st)
Ms. Pawar Rutuja Vishnu	: 10 SGPA (1st)
Mr. Pawar Yogesh Dattatray	: 10 SGPA (1st)
Ms. Rathi Sejal Girish	: 10 SGPA (1st)
Ms. Sangale Poonam Dilip	: 10 SGPA (1st)
Mr. Shaikh Altaf Mohammadrafik	: 10 SGPA (1st)
Mr. Shaikh Parvej Anwar	: 10 SGPA (1st)
Ms. Tribhuvan Shradha Prabhakar	: 10 SGPA (1st)
Ms. Trivedi Himani Ganesh	: 10 SGPA (1st)
Ms. Tupe Tejal Surendra	: 10 SGPA (1st)

Ms. Turkane Vaishnavi Jalindar	: 10 SGPA (1st)
Ms. Unde Snehal Rambhau	: 10 SGPA (1st)
Ms. Wagh Prajakta Dattatraya	: 10 SGPA (1st)
Mr. Waghmare Suyash Vijay	: 10 SGPA (1st)
Mr. Kanawade Prasad Babasaheb	: 9.95 SGPA (2nd)
Mr. Shirsat Akshay Vasudev	: 9.95 SGPA (2nd)
Mr. Banale Varad Umashankar	: 9.91 SGPA (3rd)
Mr. Dode Atharva Ram	: 9.91 SGPA (3rd)
Ms. Kulkarni Surabhi Ketan	: 9.91 SGPA (3rd)

TEIT

Ms. Shirole Shital Rajendra	: 9.86 SGPA (1st)
Ms. Gujarathi Nandini Kumar	: 9.82 SGPA (2nd)
Ms. Gunjal Shubhangi Sampat	: 9.73 SGPA (3rd)

SEIT

Ms. Rahane Arati Bhagwat	: 9.33 SGPA (1st)
Mr. More Kishor Arjun	: 9.29 SGPA (2nd)
Mr. Adhav Viraj Vikram	: 9 SGPA (3rd)
Mr. Patil Varun Vijay	: 9 SGPA (3rd)

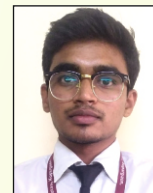
TRAINING & PLACEMENT NEWS

Congratulations to the following students for being placed in various companies with high salary package



Mr. Ms. Poonam Sangale,
Software Associate Developer, Accenture, Pune.
Software Developer, Winjit Technology.
Project Engineer, Wipro, Pune.
Trainee, Thermofisher Scientific.

Mr. Rushikesh Mane
Software Engineer,
Persistent.



Mr. Altaf Shaikh
Junior Software Engineer, Zensar.
Project Engineer, Wipro.
System Engineer, Infosys.
Trainee Engineer, KPIT.

Mr. Abhinandan Radhakrushna Yelam
Junior Software Engineer,
Zensar.



Mr. Saurabh Mohanrao Sonvane
Junior Software Engineer,
Zensar.



Mr. Kulthe Shubham
Software Engineer, Revature.
Software Engineer, Searce Inc.





Mr. Pawar Yogesh
Associate Engineer, Virtusa.



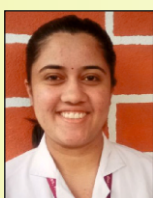
Ms. Diksha Sonawane
Software Engineer, Qspider.
Project Engineer, Wipro.
Celebal.



Ms. Payal Patel
Associate Analyst, Krypt.
Merce Technologies.
Software Engineer, Qspider.



Ms. Vaishnavi Navneet Joshi
Deloitte, India.
Merce Technologies.



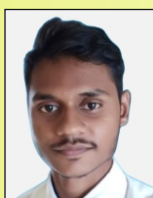
Ms. Raktate Komal Bhaginath
Software Engineer, Qspider.
JAVA Developer, Knorr Bremse.



Ms. Pawar Rutuja Vishnu
Software Engineer,
Qspider.



Mr. Soham Suryawanshi
Bosch.
Deloitte, India.



Mr. Akshay Vasudev Shirsat
Associate Analyst, Krypt.
System Engineer, Infosys.



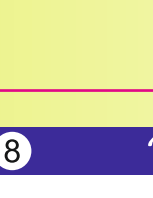
Mr. Hrushikesh Bargal
System Engineer, Infosys.



Mr. Pratik Tushar Cholke
Graduate Engineer Trainee,
LTI.
Digital Specialist Engineer,
Infosys.



Mr. Dipak Bhausaheb Pangavhane
System Engineer,
Infosys.



Mr. Girish Jadhav
System Engineer,
Infosys.



Mr. Nikhil Dhananjay Nikale
Engine Software Developer,
MAN Energy Solutions.
Digital Quality Engineer,
Quality Kiosk.



Mr. Prasad Babasaheb Kanawade
Software Engineer Trainee,
Yash Technologies.



Ms. Rutuja Phepale
Project Engineer,
Wipro.



Mr. Varad Umashankar Banale
Associate Software Engineer,
Bosch Global Software.



Mr. Akash Deore
Bosch.



Ms. Wagh Prajka
System Engineer,
Infosys.



Ms. Sayali S. Khandizod
Software Engineer Trainee,
Revature.



Ms. Mayuri Anil Wakte
Associate Software Engineer,
StackNexus Technologies
Pvt Ltd, Pune



Mr. Pritamkumar S. Jadhav
System Engineer,
Vervotech



RECENT DEVELOPMENT

We are glad to share that, Faculty members with students are developing projects and providing consultancy services for other departments, colleges and organizations.

- Mr. Shubham Kulthe, Mr. Vaibhav Jagdhane and Ms. Sakshi Navale along with their guide Mrs. Kanchan Patil have developed **Leaving Certificate Generation System** for student section of Sanjivani College of Engineering. System adds student's details such as Name, Class, Branch, Division, Roll No., Year of Graduation etc. Just by uploading the MS-Excel file which contains mentioned details and print Leaving certificate as per format.



STUDENT PARTICIPATION

- Ms. Akshada Goraksha, Ms. Wakte Mayuri, Ms. Poonam Sangale and Ms. Vaishnavi Avhad, has participated and received 1st Prize in 5th Regional CSI Project Competition at Nashik under the guidance of Mrs. Kanchan Patil for the project entitled “**Indian Sign Language Recognition System**”.



Ms. Poonam Sangale receiving as a prize of cheque amount Rs. 10000

- Ms. Vaishnavi Naikwade and Mr. Pratik Cholke qualified GATE 2022 Examination.



Ms. Vaishnavi Naikwade



Mr. Pratik Cholke

- Mr. Altaf Shaikh got 2nd rank and Cash prize of Rs-4000 in National Level Coding Competition organised by IEEE Bombay.
- Ms. Prajkta Wagh, Ms. Shivani Magar, Ms. Jape Rutuja has completed internship on “**FullStack 2.0 with Angular**” provided by Capgemini.
- Mr. Roshan Jadhav, Mr. Pratik Cholke, Mr. Altaf Shaikh, and Mr. Dushyant Jadhav has awarded Certificate of Appreciation for participating and reaching the Prototype Phase of ION<athon>1.0 (hackathon organised by ION). Dr. Madhuri Jawale guided the students.



- Mr. Roshan Jadhav scored 128/128 and secured 3322nd rank at “**CodeKaze - A National level Competition**” organized by Coding Ninjas.
- Mr. Roshan Jadhav has selected as a Role Network Security Intern in FXIII Enhance Private Ltd, New Delhi.
- Mr. Saurabh Sonawane, Ms. Akshada Goraksha, Ms. Wakte Mayuri, Ms. Poonam Sangale and Ms. Vaishnavi Avhad has participated in national level project competition **Shodh-2k22** organized by SNJB'S Kantabai Bhavarlalji Jain College of Engineering, Chandwad.
- Ms. Ketaki Bhirud, Ms. Prajkta Hon, Ms. Sakshi Dange has participated and selected for final round in 5th Regional CSI Project Competition at Nashik.
- Ms. Akshada Goraksha, Ms. Wakte Mayuri, Ms. Poonam Sangale and Ms. Vaishnavi Avhad presented a paper entitled “**Indian Sign Language Recognition System**” in International Conference on Smart Technologies and Applications – 2022 organized by Ramco Institute of Technolog and sponsored by AICTE, NABARD, BAI under the guidance of Mrs. Kanchan Patil.

- Mr. Dushyant Jadhav, Mr. Pratik Cholke has successfully presented the paper entitled **“Framework for Product Anti-Counterfitting using Blockchain Technology”** in IEEE Conference under the Guidance of Dr. Madhuri Jawale.
- Ms. Rupali Kolpe, Mr. Shubham Ghogre presented the paper in IEEE Conference (6th ICICCS-2022) entitled as **“Identification of Face mask and Social Distancing using YOLO Algorithm based on Machine Learning Approach”** held at Vaigai College of Engineering, Tamilnanu, India, under the guidance of Dr. Madhuri Jawale.
- Mr. Prasad Kanawade, Mr. Avdhoot Wackchaure have successfully presented the paper in IEEE Conference entitled **“Face Mask Detection in Realtime Environment using Machine Learning based google cloud”** under the Guidance of Dr. Madhuri Jawale.
- Mr. Pravin Dhepale, Mr. Girish Jadhav, Mr. Yogesh Pawar, Mr. Saurabh Sonawane has successfully presented a paper entitled as **“Agri Food Supply Chain using Ethereum Smart Contract”** in national level project competition **Shodh-2k22** organized by SNJB'S Kantabai Bhavarlalji Jain College of Engineering, Chandwad under the guidance of Mr. Chetan Bawankar.
- Ms. Ashwini Kale, Ms. Dnyaneshwari Chaudhari, Ms. Mansi Lokhande, Ms. Rutuja Jape, Mr. Rushikesh Mane has published a paper entitled **“Smart Intruder Detection System using Machine Learning”** in International Journal of Innovative Research in Science, Engineering and Technology under the guidance of Mrs. Devyani Jadhav.
- Mr. Pritamkumar Jadhav, Mr. Rushikesh Goraksha, Mr. Prajwal Dhanait, Ms. Manasi Heera has published a research paper entitled as **“Post Harvesting Onion Storage Methodology using IOT”**, in International Journal of Advance Scientific Research and Engineering Trends under the guidance of Dr. Rameshwar Chintamani.
- Ms. Sayali Khandizod, Ms. Tejaswini Patil, Mr. Atharva Dode, Mr. Varad Banale has published a paper entitled as **“Deep Learning based Skin Cancer Classifier using MobileNet”** in International Journal of Research in Applied Science & Engineering Technology under the Guidance of Mr. Chetan Bawankar.
- Mr. Pravin Dhepale, Mr. Girish Jadhav, Mr. Yogesh Pawar, Mr. Saurabh Sonawane has Published a paper entitled as **“Agri Food Supply Chain using Ethereum Smart Contract”** in International Journal of Modern Developments in Engineering & Sciences under the guidance of Mr. Chetan Bawankar.

- Mr. Pratik Patil, Mr. Nikhil Nikale, Mr. Suyash Waghmare, Ms. Rutuja Phepale and Ms. Rutuja Pawar has published a paper entitled **“Sentiment Analysis Using Natural Language Processing”** in International Journal of Science & Engineering Development Research.
- All third year have registered for NPTEL course on **“Blockchain and its application”** and second year students have registered for **“Programming Data Structure and Algorithms using Python”** as well first year students have registered for **“Introduction to Programming in C”**. Some students have successfully completed coursera courses such as Crash Course On Python, Penetration Testing, Incident Response Forensics, Technical Support Fundamentals, Introduction to Web Design and Development, Data Science with Python: A Practical Perspective, Machine Learning etc.

SPORTS ACTIVITY

- Happy to share that our Girls Team was the winner of Khel Sanjivan - Inter Department Basket Ball Competition (Inter Department Sports Championship) organized by Student Activities Council, Sanjivani COE, Kopargaon. The team members were Vaishnavi Dhavade, Dipali Ghodage, Prajкта Kolase, Kalyani Pawar, Vaishnavi Wani, Rutuja More, Arya Jadhav.



- Mr. Sachin Sadgir (S.Y.B.Tech.) was the member of Kho-Kho team that was runner up in Intercollegiate Sports Competition Khel Sanjivan - 2022.
- Another Sports Event **“Foot Cricket”** game was organized by Structural Engineering Department on occasion of Women's day and we received Runner-Up Prize. Team members were Ms. Jadhav Arya, Ms. Funde Sakshi, Ms. More Rutuja, Ms. Kadam Aditi, Ms. Amle Siddhi, Ms. Chavhan Akshada, Ms. Jape Shraddha and Ms. Jejurkar Shraddha.



- Ms. Shubhangi Gunjal (T.Y.B.Tech.) secured 2nd position and got Silver medal in Intercollegiate Sports Competition Sanjivan Khel -2022.



- Mr. Tejas Gunjal, Ms. Prajкта Kolase, Ms. Dipali Ghadge, Mr. Dinesh Thorat, Mr. Tejas Nagre, Mr. Viraj Adhav secured **1st position in Treasure Hunt competition** organized by ISTE students chapter of SCOE, Kopargaon.



- Ms. Jadhav Arya, Ms. Gunjal Shubhangi, Ms. More Rutuja and Ms. Kulkarni Divya secured **Second Position in Relay Race Competition in Khel Sanjivan-2022.**

FACULTY ACHIEVEMENTS

- Heartiest Congratulations to Dr. Rameshwar Chintamani for successfully defending his Ph.D. in Computer Science and Engineering, titled “**Motor Imagery EEG Classification using Ensemble based Machine Learning for Patients with Amyotrophic Lateral Sclerosis**” from Madhyanchal Professional University, Bhopal.



Managing Trustee, Honorable Shri. Amitdata Kolhe along with Director, Dr. A. G. Thakur and Dr. Madhuri Jawale, Head of IT felicitating Dr. Chintamani



Faculty of IT congratulating Dr. Chintamani

- Heartiest Congratulations to Dr. Yogesh Deshmukh for successfully defending his Ph.D. in Computer Science and Engineering, titled “**Mammogram Classification using Machine Learning Algorithms and Swarm Intelligence**” from Madhyanchal Professional University, Bhopal.



Managing Trustee, Honorable Shri. Amitdata Kolhe along with Director, Dr. A. G. Thakur and Dr. Madhuri Jawale, Head of IT felicitating Dr. Deshmukh



Faculty of IT congratulating Dr. Deshmukh

- Dr. Madhuri Jawale has published a paper entitled, **“SU-CCE: A Novel Feature Selection approach for Reducing High Dimensionality”** in scopus indexed journal Recent Trends in Intensive Computing. doi: 10.3233/APC210240.
- Dr. Madhuri Jawale has published a paper entitled, **“Machine Learning Based Automatic Hate Speech Recognition System”** and **“Challenges For Hate Speech Recognition System: Approach Based On Solution”** in IEEE International Conference on Sustainable Computing and Data Communication System (ICSCDS-2022) organized by Sri Venkateshwarrya HiTech Engineering College, Erode, India.
- Dr. Mahendra Gawali has published a paper entitled, **“Development of improved coyote optimization with deep neural network for intelligent skill knowledge transfer for human to robot interaction”** in Springer International Journal of Intelligent Robotics and Application.
- Dr. Mahendra Gawali has published a paper entitled,

“Wireless resource planning software for small medium enterprises” in Journal of Web Development & web designing.

- Mr. Anand Barbind has published a paper entitled, **“Detection of phishing websites using data mining”** in IEEE SEM.
- Mr. Rajendra Kankrale has published papers named **“Retinal Image analysis for detection of diabetic retinopathy”** and **“Automatic vehicle number plate recognition using optimal K-means with CNN”** in International Journal of Innovative Research in Science, Engineering and Technology and International Journal of Research Publication and Review respectively.
- Mrs. Devyani Jadhav has published a paper entitled **“Learning system for classroom engagement based on gamification and machine learning approach”** in International Research journal of Modernization in Engineering Technology and Science.
- Dr. Rameshwar Chintamani has published a book chapter entitled, **“Application of ML in Electroencephalography”** ISBN: 978-93-94435-07-0.
- Mr. Rohit Nikam has published papers entitled, **“Secure data broadcasting using privacy preservation techniques in distributed environments”** and **“Intelligent water level monitoring and water pump controlling system using IOT”** in web of science Journal of Algebraic Statistics and International Journal of Advance Scientific Research and Engineering Trends.
- Dr. Yogesh Deshmukh has published a paper entitled, **“Analysis of Brain Tumor Disease Detection Using Convolutional Neural Network”** in Scopus indexed Recent Trends in Intensive Computing doi : 10.3233/APC210240.
- Mrs. Kanchan Patil has presented a paper entitled, **“Indian Sign Language Recognition System”** in International Conference on Smart Technologies and Applications – 2022 organized by Ramco Institute of Technology and sponsored by AICTE, NABARD, BAI.
- Dr. Nikhil Patankar has published papers on the topics, **“Comparative Study of Key Generation For Internet of Things Communication Device”**, **“Customer Segmentation Using Machine Learning”**, **“A Wi-Fi Based Smart Irrigation Monitoring for an Agricultural Environment”** in web of science Vidyabharati International Interdisciplinary Research Journal and Scopus indexed Recent Trends in Intensive Computing doi:10.3233/APC210240 respectively.
- Mr. Chetan Bawankar has published a paper entitled,

“Architecture for Secure Communication Among IoT Devices with Ethereum Blockchain” in Scopus indexed Recent Trends in Intensive Computing doi : 10.3233/APC210240.

- Mr. Prasad Mutkule has published a paper entitled, **“Smart System for food quality detection and transportation using IOT”** in International journal for Research in Applied Science & Engineering Technology.
- Mr. Anand Barbind have completed NPTEL certification course on **“Introduction to Programming in C”** and secured Gold Medal.
- Dr. Madhuri Jawale, Mr. Chetan Bawankar, Mrs. Kanchan Patil has successfully completed NPTEL certification course on **“Blockchain and its application”**.
- Mr. R. N. Kankarale has successfully completed NPTEL certification course on **“Machine Learning”**.
- Mr. Prasad Mutkule have also successfully completed NPTEL certification course on **“Introduction to Programming in C”**.
- Dr. Rameshwar Chintamani, Mr. Rohit Nikam, Ms. Kalynai Ubale has participated in one week workshop on **“Entrepreneurship Opportunities through Innovation”** organized by EDP Cell, Sanjivani COE, Kopargaon during 14th February 2022 to 18th February 2022.
- Dr. Mahendra Gawali has reviewed paper entitled, **“An Efficient Prediction Based Dynamic Resource Allocation Framework in Cloud using Knowledge based Hybrid System”** for IETE journal of research.
- Mrs. Kanchan Patil has delivered a lecture on **“Advance Java”** on 28th April 2022 at Dr. D.Y.Patil Institute of Technolgoy, Pimpri, Pune.

ITERA EVENTS

- The first event organized was **Cyber Psychology Conference** for Girls students of department on 22nd January 2022. A total of 36 students attended the session.
- The second event was **Tips and Tricks** to crack MPSC & UPSC examination. The session was organized on 12th February 2022 for FY & SY students. For the event 87 students were present. The expert was Mr. Bharat Bhaviskar from Unique Academy, Pune.



- The next event was **Guest Lecture** on 18th March 2022. Mr. Samir Malik, Test Analyst at Accenture, Pune was the resource person for the same. For the session 57 students were present from SY IT Class.
- **Yoga & Fitness** session was organized on 11th May 2022 especially for TY students. For the session 72 students were present. The session was conducted by Mr. Yogesh Avhad, Director of Physical Education and Sports, Sanjivani College of Engineering, Kopargaon.



- Social Awareness Program on “**Artificial Intelligence & It's application**” was organized for FY BBA students. The program was conducted on 28th May 2022 and 57 students were present for the same. The program was conducted by Mr. Rohit Nikam, Assistant Professor, IT Department Sanjivani College of Engineering, Kopergaon, and ITERA members.



Mr. Rohit Nikam
In-Charge, ITERA

CSI EVENTS

- The First event of the semester was an expert lecture on “**Awareness about Cyber Security**” at Sanjivani Academy, Kopergaon. Objective of the event was to make students aware about Cyber Security Threats. Total 75 students participated in the event. It was conducted on 21st March 2022.



- The Second event conducted was “**Informative Webinar on GATE Awareness**” on 24th April 2022. Objective of the event was to make students aware about GATE Exam and career opportunities through GATE. 139 students from Computer and IT attended the webinar. Resource Person for the same was Mr. Paresh Gugale, Founder & Director, Imperial Institute, Pune.

A Powerful Energetic Webinar on

GATE – Awareness

Organise By
S.R.E.S. College of Engineering
Kopergaon
(Department of Information Technology Engineering)
in Association with
GATE - I2E Imperial

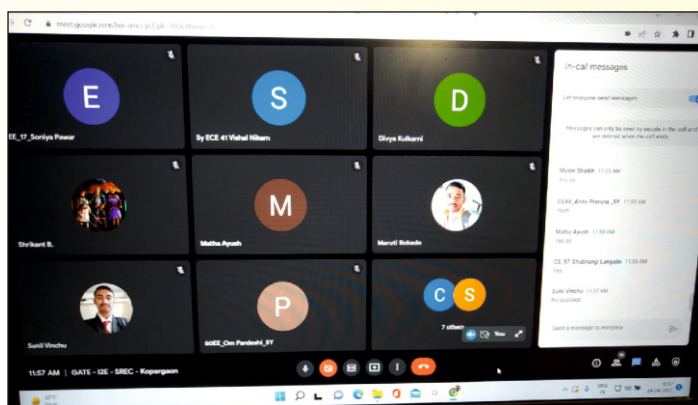
India's Top Motivational Speaker
Mr. Paresh Gugale
Founder, Director - I2E - Imperial Institute
MTech, MBA - IITRE, Mumbai
GATE All India Rank - 21, 1st
Trained 25000+ Students till now
Conducted 250+ Webinars in Last 3 Months
Don't Miss : GATE-I2E
Career Guidance Webinar

Webinar Content – Information about

- Importance of the Most Important - GATE Examination (Direct and Indirect Benefits)
- Multiple Benefits like : GATE (ES) / PSU / NPSC etc
- All Government Schemes Like - JRF, CSIR, PAFS and Many More
- MS in Germany & Singapore & Many More
- Key Dates, Examination Pattern, Syllabus etc & Many More
- Animated Videos, GATE Toppers Talk
- GATE - I2E - A Successful Digital Platform in India Demos
- Currently 10,000+ Students are Using, So Why Not You???

24th April (Sunday) @ 10am to 12pm
Google Meet - Link : <https://meet.google.com/ir-ancjpd>
Google Meet - Code : ir-ancjpd

Organized by Computer Society of India



Dr. Madhuri A. Jawale
CSI Student Branch Counselor

ALUMNI SECTION

We are proud to have a very strong and supportive department alumni network. They are always contributing in the growth of department and interacting with the students to make them aware about new technologies and helping them in their career path through different lectures and sessions.

Webinar on “Site Reliability Engineering”

Mr. Sagar Sonawane, Alumni 2006 Batch who is currently working at DBS Bank, Thane Maharashtra interacted with students on the topic “**Site Reliability Engineering**” on Monday, 12th May 2022 in online mode. At the time of webinar, Dr. Madhuri Jawale, Professor & Head, Department of Information Technology, Mr. Rajendra Kankrale, Dept. Alumni Coordinator, other faculty members of department along with 80 students were present. He started his discussion by giving overview of SRE, It's important and principles. Then he explained MTTD & its importance, SLI, SLO, Error Budget, and Importance of Error Budget etc.

Principles' of SRE

- / Architecture and Capacity planning
- / Development and Build
- / Testing
- / Product launch
- / Observability
- / Incident Response
- / Blameless Incident Retrospective
- / Education

3:38 PM | webinar on Site Reliability Engineering

Why MTTD and MTTR are Important?

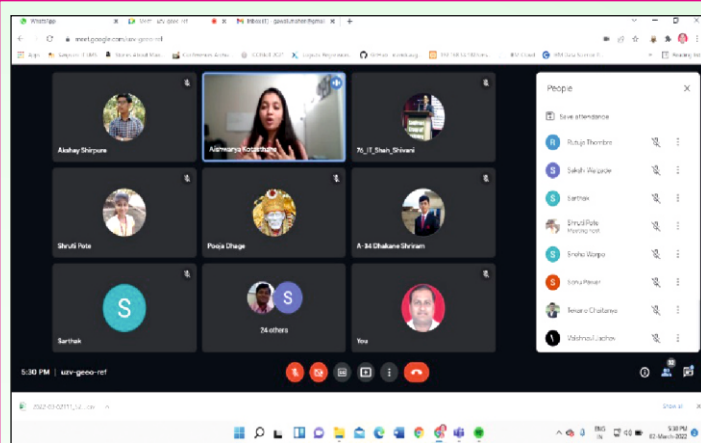
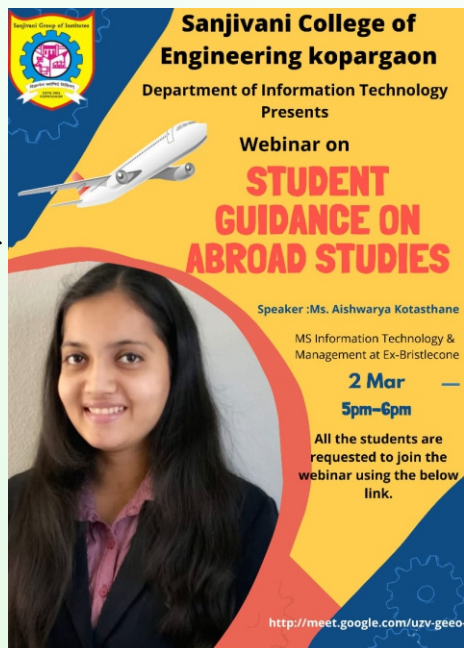
"What gets measured gets managed"

- Peter Drucker

3:49 PM | webinar on Site Reliability Engineering

Webinar on "Student Guidance on Abroad Study"

The next alumni interaction organized was on Wednesday, 2nd March 2022 in online mode. The topic was **"Student Guidance on Abroad Study"**. Ms. Aishwarya Kotsthane, MS Information Technology & Management, Dallas, Texas, United States and alumni of 2016 batch interacted with the students. She started discussion on identifying area of interest, different universities that matches the area of interest. She guided on how to prepare for entrance examination and how to apply for the universities. More than 50 students along with faculty members attended the program.



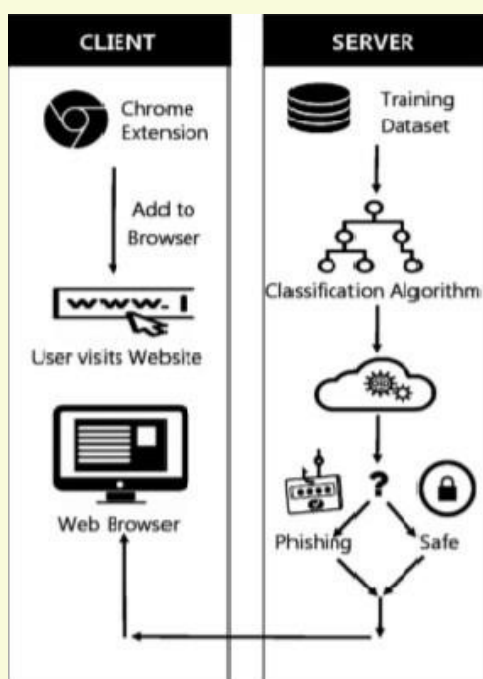
STUDENT ARTICLE

DETECTION OF PHISHING WEBSITES USING DATA MINING

Recently many cyber-attacks have increased because of growing use of internet. Among all this the well-known cyber threat we find increasing day by day is phishing attacks. Phishing is where the victim's credentials are obtained by an illegitimate website. The aim of these phishing websites is to acquire confidential information about username, password and banking credentials of the victim. Phishing websites look similar to the illegitimate website so the user can't differentiate among them. The proposed system will detect old as well as newly generated phishing URLs that have completely no past behaviors to judge upon, using Data Mining. The main objective of this system is to develop a Chrome browser plugin that detects phishing sites in real-time while the user browses the page. The model will be trained with exhaustive dataset so that we can assure maximum accuracy.

System Architecture : In the proposed system, a web host model is used for phishing website detection. The model will be based on classification algorithm and will be trained using a training dataset. This model will be deployed online, which will directly communicate with the chrome extension. The detection of the phishing website will be based on URL and website attributes. This system will be an integration of all the functions carried out on the client and server side. On the server side, there will be a classifier model trained using the random forest algorithm; whereas on the client side, a chrome extension will be built and added to the chrome web browser. When the client visits any website using the chrome browser, the URL for the same can be fetched by the chrome extension. From the URL and the displayed webpage, various attributes of the website can be extracted. These extracted URL attributes will act as test data for the classifier

deployed in the cloud which can be trained on a phishing website dataset.



Conclusion : The Proposed System's aim is to implement the detection of the phishing websites using data mining. This task will be done by extracting the features of the website via URL when the user visits it. The obtained features will act as test data for the model. Random Forest Algorithm can be used to train the proposed model. The main task of this system is to detect the phishing website and alert the user beforehand so as to prevent the users from getting their credentials misused. If any user still wishes to proceed, it can be done at their own risk.

- Mr. Parvej Shaikh, Ms. Himani Trivedi,
Ms. Tejal Tupe, Mr. Raman Suryawanshi
- Guided by : Mr. Anand Barbind

Program Educational Objectives (PEOs) :

- **PEO 1 :** Graduates of IT program should possess knowledge of fundamental concepts in mathematics, science, engineering and technology as well as skills in the field of Information Technology for providing solution to complex engineering problem of any domain by analyzing, designing and implementing.
- **PEO 2 :** Graduates of IT program should possess better communication, presentation, time management and teamwork skills leading to responsible and competent research, entrepreneurship and professionals, will be able to address challenges in the field of Information Technology at global level.
- **PEO 3 :** Graduates of IT program should have commitment to societal contributions through communities and life-long learning.

Program Specific Outcomes (PSOs):

- **PSO1 :** Attain the ability to provide software solutions by applying knowledge of Data Structures & Algorithms, Databases, Web Technology, System Software, Soft Computing and Cloud Computing.
- **PSO2 :** Apply the knowledge of Computer Hardware & Networking, Cyber Security, Artificial Intelligence and Internet of Things to effectively integrate IT based solutions.
- **PSO3 :** Apply the knowledge of best practices and standards of Software Engineering for Project Management.

EDITORIAL BOARD

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To, _____

Pincode

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