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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 XI, Issue II

July 2023

For internal circulation only.

VISION

To develop world class IT professionals through quality education.



FROM HOD'S DESK



Voracious Readers,

I welcome you all to this journey of diving into our achievements and memories together. These had been the fantastic times when we thrived in all aspects of student life.

As you scan through the pages, it will enlighten you with the important milestones that we have achieved this semester. We have been able to cover a plethora of topics ranging from the latest advancements in technology to managing ourselves better.

I am happy with our students reaching international platforms and yet at the same time helping people around us with technological innovations. This is the balance we all want to achieve. Reaching the sky and also being able to look around and stay connected with our roots.

I have the best team any department could ask for. Together we have been able to help, motivate, mentor, and strengthen our students.

I congratulate everyone for their bit of service to the department, the institution, and the people around us. I do expect the same in times to come.

"Fill the brain with high thoughts, highest ideals, place them day and night before you, and out of that will come great work." - Swami Vivekananda

- **Dr. Madhuri Jawale**
Professor and Head

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 EDITOR'S DESK



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. Madhuri Jawale for providing me the chance to serve as editor of the IT newsletter, which is published twice a year.

We are able to deliver the special and worthwhile reading edition of IT Newsletter "July 2023", thanks to our ongoing work. I am honored 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.

Mrs. Kanchan Patil,
Editor, Department of IT

NEWS AT A GLANCE

- On the auspicious occasion of "**International Women's Day**", Department of Information Technology, under the banner of Lilawati Awards organized an event "**Cyber Security awareness program**" to spread awareness among the girls and lady faculty members of **Somaiya Vidya Mandir School, Laxmiwadi** on March 1, 2023. For the event, Team from Department of Information Technology visited Somaiya Vidya Mandir School, Laxmiwadi. Total 80 girls along with the faculty

members attended the event. Session was handled by Miss. Vaishnavi Naikwade, Miss. Shivani Shah, Miss. Sanskruti Jawale, Miss. Kaveri Mungse and Miss. Shraddha Jejurkar along with two faculty members from Information Technology Department, Head, Dr. Madhuri Jawale and program coordinator Mrs. Kanchan Patil.



- Under the banner of Lilawati Awards department has organized an event **“Panic Anxiety in Women”** on **March 3, 2023**. For the event, all department coordinators of Lilawati Award Team along with girls from respective departments were present. Total 135 girls attended the event. Experts, **Dr. Hiraman Warungase, MD Ayurveda and Dr. Maithili Kurhe, MD Medicine** were the resource person for the talk. Mrs. Kanchan Patil and Mrs. Megha Kurhe coordinated the event.



- Under the banner of Sanjivani I-connect, Department organized an Expert Lecture of Mr. Vinit Dambre, Project Engineer, HoneyWell Pvt Ltd, South Africa on **March 6, 2022** on the topic **"Trending and Upcoming Technologies in IT Industry"** for the SY and TY Students. Mr. Vinit shared his views about the Latest and upcoming Technologies and its implementation perspective in IT Industry. During his conversation, he also spoke about his own experiences and expressed his gratitude for the Department's and the students' efforts. Dr. Nikhil Patankar coordinated the session.



- Building a dream career requires a combination of Education, Experience and Networking. In order to achieve this, Department of Information Technology in association with training and placement, under the banner of **Sanjivani I-Connect**, organized an event **“How to build your dream career”** to spread the knowledge among the students on **March 13, 2023**. For

the event, all department coordinators of Sanjivani I-Connect Team along with students from respective departments were present. Total 1000 student's attended the event. Expert, **Ms. Dhairyा Gangwani, Founder Dhairyा Decodes, Career Coach and Content Creator** was the resource person for the event.



- The Department's SY students were scheduled to visit **Netwin Infosolutions**, a renowned IT business in Nashik, India, on **March 24, 2023**. The visit's objective was to gather useful information about the business's operations, culture, and working environment. Students were welcomed by Mr. Sham Kuwar, the company's HR, and Ms. Sneha Mandlik. On a PPT Presentation, Mr. Sham Kuwar introduced the company, its history, values, objectives, projects, partners, clients, and the board of directors to us to start the conversation.



- How students can adapt themselves from academic to trending IT industry? To achieve this, Department of Information Technology in association with training and placement, under the banner of **Sanjivani I-Connect**, organized an event **“Campus to Corporate”** to spread the knowledge among the students on **April 3, 2023**. For the event, all department coordinators of Sanjivani I-Connect Team along with 150 students attended the event. Expert, **Mr. ANUJ JAJOO, Senior Principal Consultant-Learning @ Cyber Security with Infosys Ltd. India** was the resource person for the expert talk session.



Sanjivani College Of Engineering, Kopargaon
(An Autonomous Institute Affiliated to SPPU, Pune)
NAAC 'A' Grade Accredited

Department of Information Technology
In association with Department of Training and Placement



Sanjivani i-Connect
Welcomes
Mr. Anuj Jajoo

Senior Principal Consultant -
Learning @ Cyber Security with Infosys Ltd. India

Topic: Campus to Corporate

Monday, 3rd April 2023 @ 10.00 AM
Venue: Gallery Hall 025

Dr. M.A.Jawale
HOD IT

Dr.V.M.Tidke
Dean T & P

Dr.A.G. Thakur
Director

Hon'ble Shri Amit N. Kolhe
Managing Trustee, SRES

Hon'ble Shri Nitin S. Kolhe
Chairman, SRES

- The Parents Meet was held on **May 9, 2023**. The primary goals of the parent's meet-up are to maintain effective communication and engagement between the faculty and parents, to improve students' success in both academic and extracurricular activities, to provide information about various initiatives started by the department for the students' overall development, to provide an overview of the exam pattern and continuous internal assessment, to solicit feedback and suggestions from parents about their children's development, etc. All of the guests were welcomed to the meeting at the outset. Dr. Anil Pawar, the Dean of Academics, and Dr. Madhuri Jawale, the Head of the IT Department, Parent Representatives performed Saraswati Poojan to inaugurate the event. Dr. Pawar addressed the audience. After that, Dr. Jawale, introduced the Department. Highlighted that the Department is accredited thrice by **National Board of Accreditation** in 2013, 2019 and 2022 respectively and institute is **accredited by NACC 'A' Grade**.

In her remarks, Dr. Jawale briefly described the primary objectives of the Parents Meet agenda. The importance of autonomous curriculum and NBA accreditation, strong academics, the teaching-learning process, the upgrading of infrastructural facilities and resources, training, placement, and internship activities and current status, the SAP Training Centre, Coursera and NPTEL Certification courses, syllabus developed and referred from IIT, NIT, and foreign universities were just a few of the activities Dr. Jawale had provided information on. Capsule Courses, the Smart India Hackathon, Celebel Internship and Placements, Six Phrase Training, Infosys Springboard certification courses, Virtusa Jatayu Season for the presentation of concepts and solutions to various business issues, higher education at a foreign university and international internships, product-based learning, and product development. She also urged parents to encourage their children to attend classes frequently, be punctual, review the material every day, take part in extracurricular activities, etc. on behalf of the entire staff.

Many parents have praised the IT department at Sanjivani COE Kopargaon for its information on the teaching and learning process and many initiatives carried out for kids' overall development. Dr. Nikhil Patankar oversaw the event's planning.



Some glimpses of the Meet

- Let's congratulate our students **Mast. Game Saurabh Limbaji, Ms. Chaudhari Dnyaneshwari Machhindra, and Ms. Patil Vishakha Kailas** on obtaining a global SAP ABAP certification that is recognized all over the world. The title "**SAP Certified Development Associate - ABAP with SAP NetWearer 7.50**" has been awarded to each and every learner. Our students Ms. Vaishnavi Naikwade (2023 batch) and Mast. Rohit Maind (2023 batch) and Ms. Rutuja Phepale (2022 batch) were hired by TCS and Primus Tech Systems, respectively, through this SAP program. The coordinator for the department is Mrs. Kanchan Patil.
- A hackathon called "**Hack-a-Bot**" was held at Sanjivani College of Engineering in Kopargaon as part of the Ui-Path RPA Academy. This semester, the RPA Developer Foundation course was successfully completed by 75 students from TY IT and 20 students from SY IT. The same is being coordinated by Dr. Yogesh Deshmukh.
- National Service Scheme unit of Sanjivani College of Engineering, Kopargaon organized blood donation camp on **March 23, 2023**. 100+ students and faculty members donated the blood.



On **November 2, 2023**, NSS unit planted 500+ Trees in Shingnapur. In the Event, 100+ students participated along with the faculty members.



Dr. Nikhil Patankar is working as the departmental NSS coordinator.

CLASS TOPPERS

Class Toppers of Dec. 2022 Exam

BEIT

Mast. Jawale Aniket Shrikrishn	: 9.35 SGPA (1 st)
Ms. Shah Shivani Praful	: 9.10 SGPA (2 nd)
Ms. Shirole Shital Rajendra	: 9.10 SGPA (2 nd)
Ms. Gujarathi Nandini Kumar	: 8.95 SGPA (3 rd)

TEIT

Ms. Rahane Shital Anna	: 9.00 SGPA (1 st)
Mast. Gunjal Tejas Gokul	: 8.90 SGPA (2 nd)
Mast. Jape Dipjyot Dilip	: 8.86 SGPA (3 rd)
Mast. Lungade Kiran Sanjay	: 8.86 SGPA (3 rd)

SEIT

Mast. Inamke Tejas Sunil	: 9.00 SGPA (1 st)
Ms. Chandar Vaishnavi Chandra	: 9.00 SGPA (1 st)
Ms. Jape Shraddha Dattatray	: 8.95 SGPA (2 nd)
Ms. Jawale Sanskruti Vinayak	: 8.90 SGPA (3 rd)

TRAINING & PLACEMENT NEWS

Congratulations to the Sanjivani College of Engineering's Hon. Management, Director, HoDs, Deans, Team T&P, Alumni, Faculty members, students and parents for adding another feather on cap. Bravo to **Master Vishal Jadhav**, who recently accepted a position at a reputable MNC "Z-scaler" with a competitive salary of **19.6LPA**. It is absolutely admirable and a testament to his effort, talent, and commitment. We at the Sanjivani Group of Institute are pleased with his remarkable achievement.



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



Shirode Mayuri Mahendra,
Cyber Success



Patil Prajakta Sadashiv,
Cyber Success



Dushsing Akshada Shaharam,
Tata Consultancy Services



Deshmukh Tejas Rajendra,
Tata Consultancy Services
(SAP)



Siddhesh Sanjay Sagar,
Celebal Technologies.

Congratulations to the following students from 2024 batch for getting pre-placement opportunity in celebal.



RECENT DEVELOPMENT

It gives us great pleasure to report that faculty members collaborate with students to create projects and offer consulting services to other divisions, institutions, and organizations.

- Under the direction of Mrs. Kanchan Patil, two third-year departmental students, Mast. Sanket Dawange and Mast. Rahul Jagdhane, have created a system called **"Scholarship form Management System."** By

maintaining records departmentally, curricularly, and categorically, the system minimises manual work and lessens employee efforts.



Shot on OnePlus

4/12/23

Dr. Ajaykumar Thakur, Director, SCOE along with Dr. Madhuri Jawale, Head, Department of IT appreciating Mast. Rahul and Mast. Sanket for their contribution

- Congratulations to Mast. Vishal Ramnath Gavade for successfully deploying **“Smart Home Automation System”** to Mr. Barhate Ravindra Karbhari. It control and monitor different electric appliances such as Tube-light, Fans, TV, AC etc.
- We are thrilled to share a remarkable achievement from our talented SY BTech. students under the Mini project course. With their dedication, skills, and hard work, they have successfully crafted and delivered 11 distinct websites for clients hailing from various locations. This project exemplifies the integration of academic learning with real-world application. By working directly with clients and managing the entire website development process, our students have gained invaluable insights into project management, client interactions, and problem-solving skills. At our institution, we prioritize Outcome-Based Education, and this project stands as a shining example of its implementation. Few works delivered by students are : www.pfcindia.in, www.agrawalchahabhandar.com

STUDENT PARTICIPATION

- Mast. Shreyas Bhor, a third-year student has been chosen for the MITACS Global Internship, Canada 2023, at the University of Manitoba, Canada. Big Data Analytics and Science is his internship topic.



Dr. Madhuri Jawale, Head of IT, Dr. Mahendra Gawali, Dean of International relations along with Mr. Anand Barbind felicitating Master Shreyas.

- Vaishnavi Naikwade, a student in her last year, was accepted to Concordia University in Canada for a Master's degree.



Dr. Madhuri Jawale, Head of IT, Dr. Mahendra Gawali, Dean of International relations along with Mr. Aanand Barbind felicitating Miss. Vaishnavi.

- Two teams from the **Smart Pune Health Hackathon 2023**, **Tech-VEDH** and **Healthnator**, were chosen as the top 10. During the hackathon, they committed to implement a solution on the healthcare domain nonstop for 24 hours. Mast. Rahul Jagdhane, Mast. Sanket Dawange, Mast. Shantanu Borude, and Mast. Shreyash Jeughale were part of the **Tech-VEDH team**. Mast. Vaibhav Chopade, Mast. Kiran Bacchav, Mast. Aditya Sakure, and Mast. Chinmay Bitne made up Team **Healthnator**. The pupils were led by Mr. Umesh



- **Dipex – 2023 Exhibition cum Project Competition** held at Sipna College of Engineering, Amaravati during April 7-9, 2023. In this state-level competition, our team **"HAV-AI Bringing Healthcare to Your Fingertips through Cutting Edge Innovation"** participated, and implemented Health Assistance Virtual AI. Mast. Rahul Jagdhane and Mast. Shreyash Jeughale were team members. The pupils were led by Mr. Umesh Sangule.



- Congratulations to Ms. Nandini Gujrathi, Ms. Shital Kale, Ms. Mayuri Shirode, and Ms. Sanjana Amale for winning the **Best Female Prize** for Project at Technovation-2023, an IEEE Bombay student section competition held on **April 15, 2023** at Sanjivani College of Engineering in Kopargaon.
- Congratulations to our 6 Teams for being chosen for the Virtusa Jatayu Session-3 National Level Competition, which was run by the software MNC Virtusa Pvt. Ltd. Selected teams were, **Team Craze** - Mast. Saurabh Hon, Mast. Viraj Adhav, Mast. Dipjyot Jape, **Team LazyCiborg** - Mast. Vaibhav Chopade, Mast. Kiran Bacchav, Mast. Aditya Sakure, Mast. Chinmay Bitne, **Team Programmers** - Ms. Shital Rahane, Ms. Priyanka Rahane, Ms. Arati Rahane, Ms. Vaishnavi Aher, Mast. Kiran Lungade, **Team Kapus** - Mast. Sanket Dawange, Mast. Shekhar Bhide, Mast. Piyush Shinde, Mast. Kartik Shinde, **Team Binary Brains** - Ms. Vaishnavi Dhavade, Ms. Vaishnavi Wani, Ms. Dipali Ghadage, Ms. Savi Solanki, Ms. Pardnya Sasane, **Team IT Elites** - Mast. Tejas Nagare, Mast. Raviraj Nehul, Mast. Vaibhav Lokhande, Mast. Rahul Kolase, Ms. Mithsha Pawar. Out of these students, **Team LazyCiborg** and **Team**

Programmers got an internship Opportunity which is from **August 9, 2023 to October 9, 2023**.

- It brings us great pleasure to inform you that one of our students, Mr. Chinmay Bitne, TY IT, has been recognised for his **Outstanding Project** at UrFU in Russia. He was chosen for a three-week internship at UrFu in Ekaterinburg, Russia, from **July 8-25, 2023**. He took part in the summer university project programmes run by the international educational programmes department and received a prize.



Hon. Amitdada Kolhe, Managing Trustee, SGI along with Dr. A. G. Thakur, Director, SCOE, Dr. Madhuri Jawale, Head, IT, Dr. Mahendra Gawali, Dean, IR and other dignitaries felicitating Mast. Chinmay and other students

- Hearty we would like to congratulate Mast. Piyush Shinde, Mast. Kiran Lungade, Ms. Shital Rahane, and Ms. Aarti Rahane from TYIT for winning the first prize of Rs. 3000 and certificates in the Sanjivani Youth Fest 2023 SPARK-A-THON Project Competition for the title "**IoT based Smart RFID Gate Pass System**" under the direction of Dr. Yogesh Deshmukh and Dr. Nikhil Patankar. The event was organized by Department of Electrical Engineering under the banner of EESA on **May 26, 2023**.



- Hearty Congratulations to Mast. Vaibhav Lokhande and Mast. Shubham Kamandar from TY IT for winning the second prize of Rs. 1500 and certificates in the Profest 2023 Project Competition for the project titled "**IoT based Water Level and Flow Management System**" under the direction of Dr. Yogesh Deshmukh and Dr. Nikhil Patankar. The competition was organized by the Department of Computer Engineering under the auspices of ACES and GFG on **May 26, 2023**.



Mast. Piyush Shinde, Mast. Kiran Lungade also participated in the same event.

- Congratulations to the students for clearing Round-I of Google Cloud and AMD solving for India Hackathon Series. They have attended Round-II which was held at Pimpri Chinchwad College of Engineering, Pune. **Team Interstellars (FY BTech.)** – Mast. Virendra Tarate, Mast. Vedant Thorat, Mast. Prajwal Sarode, Mast. Jayesh Thete, **Team AIMERS (TY BTech.)** – Mast. Shekhar Bhide, Mast. Shreyas Bhor, Mast. Samarth Kolapkar, Mast. Sachin Sadgir, **Team TechVedh** – Mast. Sanket Dawange, Mast. Rahul Jagdhane, Mast. Shantanu Borude, Mast. Shreyash Jeughale.

- Ms. Prerana Nale, Mast. Vishal Gawade, Mast. Pratik Gangurde, Ms. Sakshi Kulkarni, Ms. Komal Shirasath participated in Avishkar 2K23 held at S.N.D. College of Engineering, Yeola on **April 18, 2023**.
- Mast. Hon Ritesh Jayanand, FY BTech, designed and produced the logo for the **Sanjivani Group of Institute's Ruby Jubilee celebration**. This logo appeared on a variety of promotional materials and during events to mark the institution's 40th anniversary. He was honoured to have the opportunity to serve as a judge for the Science and Technology Club's logo contest. He took part in the Sanjivani Youth Fest, **finishing in second place**.
- A paper titled **Deep learning based money detection system** for Visually Impaired People was published by Mast. Aniket Jawale, Mast. Aniruddha Patil, Mast. Siddhesh Sagar, and Mast. Akash Momale in the IEEE Scopus International Conference on Intelligent Computing and Control Systems from **May 17–19, 2023**. Mrs. Kanchan Patil guided students.
- We are pleased to announce that 398 of our students have successfully completed a variety of Coursera certifications, including those in Software Security, Penetration Testing, Incident Response and Forensics, Cyber Threat Intelligence, Introduction to C programming Variables Input Output, Learn Fundamentals of Computer Programming with C Language, Ethical Hacking Essentials, Hacking and Patching, and 200 students have successfully completed NPTEL certifications in a variety of courses, including Programming in Java, Python for Data Science, Database Management Systemate.
- Internships offered by Salesforce, Celebal, Forage, Oasis, Data Science, SAP, A2Z Infotech, Virtusa, KPIT, Colgate Palmolive, Super 100, etc. were successfully completed by our students.

FACULTY PUBLICATION & PARTICIPATION

- Dr. Madhuri Jawale received **Best Innovative Teacher Award** by Savitribai Phule Pune University. It was awarded on **February 10, 2023**.



Dr. Jawale receiving the award during 74th Anniversary of SPPU, Pune function.

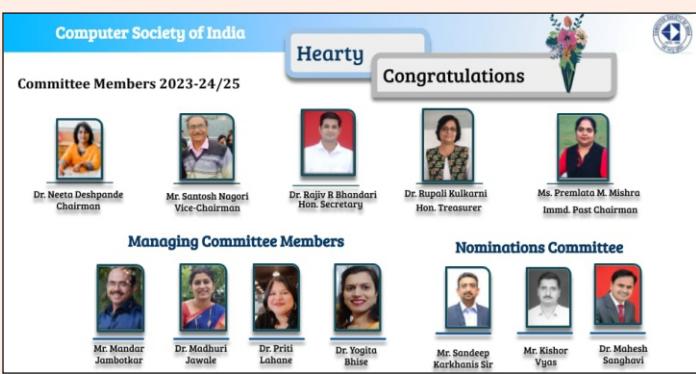


Hon. Amitdada Kolhe, Managing Trustee, SGI along with Dr. A. G. Thakur, Director, SCOE and Dr. Shantan Shukla, felicitating Dr. Jawale



Team IT felicitating Dr. Jawale

- Happy to Share that Dr. Madhuri Jawale is nominated as Managing Committee Member for CSI Nashik Chapter 2023/24-25.



- Happy to Share that Dr. Madhuri Jawale is nominated as BoS Member for Information Technology at Savitribai Phule Pune University



Hon. Amitdada Kolhe, Managing Trustee, SGI along with Dr. A. G. Thakur, Director, SCOE other dignitaries felicitating Dr. Jawale

- Congratulations to Dr. Madhuri Jawale for receiving Swamini Award by Tapovan Brahmacharya Ashram and Swami Narayan Trust, Nashik.



- Dr. Ajaykumar Thakur, Director, Sanjivani COE along with Dr. Madhuri Jawale felicitated Dr. Mahendra Gawali, Mr. Anand Barbind, Mr. Rohit Nikam, Dr. Yogesh Deshmukh, Mrs. Kanchan Patil, Dr. P. William, Mr. Prasad Mutkule for their achievements in different fields.





- Heartiest Congratulations to Dr. Nikhil Patankar for being appointed as **Associate Dean - Academics** at Sanjivani College of Engineering.



Hon. Amitdada Kolhe, Managing Trustee, SGI along with Dr. D. B. Kshirsagar, felicitating Dr. Patankar

- The “**Automatic Electronic Waste Segregation System**” design patent was awarded to Ms. Megha Kurhe and Mr. Umesh Sangule on **May 24, 2023**.
- The UK Design Patent for “**A Portable Plant Disease Detection Device**” was awarded to Mr. Prasad Mutkule on **July 17, 2023**.
- Dr. M. A. Jawale has published papers entitled, **Implementation of block chain technology using extended CNN for lung cancer prediction** in journal named **Measurement: Sensors, 2023** and **Experimental Investigations on Copper-Based Nanoparticles for Energy Storage Applications, Energy Management in Electric Vehicles Using Improved Swarm**

Optimized Deep, Synthesis and Characterization of Graphene Based Nanomaterials for Energy Applications in Journal of Nano And Electronic Physics, 2023.

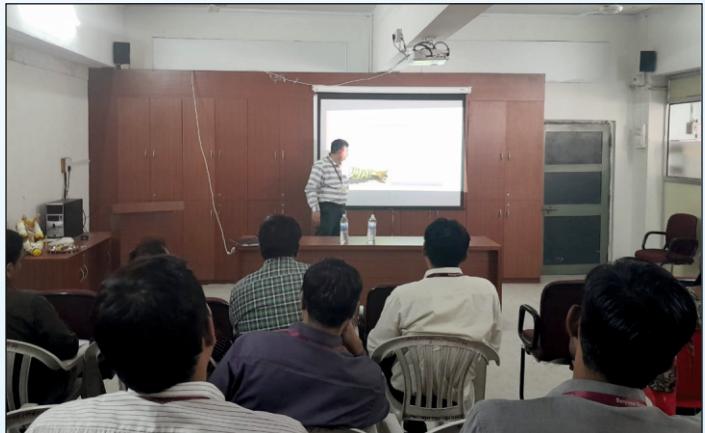
- Dr. R. D. Chintamani, Dr. N. S. Patankar, Mr. N. L. Shelake participated in FDP on **Blockchain Technology and Its Use Cases** organized by Department of Information Technology, Marathwada Mitra Mandal's College of Engineering from **March 20-25, 2023**.
- Dr. R. D. Chintamani, Dr. N. S. Patankar, Mr. N. L. Shelake published a paper entitled **An Emotion Detection of Images using Sentiment Analysis and Machine Learning Algorithm** in 5th International Conference on Smart System and Inventive Technology(ICSSIT-2023) organized by Francis xavier Engineering, College, Tirunelveli, Tamilnadu during **January 23-25, 2023**.
- Dr. M. B. Gawali has published a paper entitled **Optimization of Heterogeneous Task Scheduling in Cloud Computing** in International Conference on Intelligent System for Communication, IOT and Security (ICISCoIS 2023) organized bPSG College of Technology, Coimbatore, Tamilnadu during **February 9-11, 2023**.
- Dr. R. D. Chintamani, Dr. Y. S. Deshmukh, Dr. N. S. Patankar published book chapters, entitled **Application of ML in Electroencephalography and Mammogram Classification using machine learning** in Create-com Technologies, Bhopal.
- Mrs. Kanchan Patil has published a paper entitles **Deep learning based money detection system for Visually Impaired People** in IEEE scopus International conference on Intelligent Computing and Control Systems during **May 17-19, 2023**.
- Dr. P. William has published papers entitled, **Implementation of block chain technology using extended CNN for lung cancer prediction**, **Framework for implementing air quality monitoring system using LPWA-based IoT technique**, **Integrated identity and auditing management using block chain mechanism**, **Smart City implementation based on internet of things integrated with optimization technology** in the journal named *Measurement: Sensors*, 2023.
- Dr. P. William has published papers entitled,

Experimental Investigations on Copper-Based Nanoparticles for Energy Storage Applications, Energy Management in Electric Vehicles Using Improved Swarm Optimized Deep, Reinforcement Learning Algorithm, Synthesis and Characterization of Graphene Based Nanomaterials for Energy Applications in Journal of Nano and Electronic Physics, 2023.

- We are pleased to announce that several of our faculty members have obtained various Coursera certificates, including C for Everyone: Structured Programming, Object Oriented Programming, Cyber security Roles, Process and Operating System Security, Introduction to Cyber security Tools and Cyber-attacks and Introduction to JAVA. NPTEL certifications include Database Management System, Business Analytics and Data Mining, Modelling Using R, Python for data Science etc.

FACULTY INTERACTION

- Awareness session by Mr. Aanad Barbind delivered in OBE awareness programme on CO-PO Mapping organized by Sanjivani COE, Kopargaon on **February 11, 2023**.



- Dr. Madhuri Jawale has worked as a Expert Speaker for **Data Science Course Kickoff: A Panel Discussion with expert speakers** along with Prof. Hugo Proenca from UBI Portugal. A webinar organized on **February 13, 2023** by SIAI research. Complete Data Science course for 45 days training Induction Program.



- Mrs. Nidhi Sachade has conducted AICTE workshops for faculty members and Students on Universal Human Values in Online and Offline mode as: Workshop for students during **April 24-29, 2023** and from **June 19-24, 2023**, Workshop for faculty members during **May 4-6, 2023** at Yenepoya Institute of Technology, Moodbidri, Mangalore, during **June 7-9, 2023** at the Institute of Advanced Research, University of Innovation, Gandhinagar and during **April 17-19, 2023** at Shivajirao S. Jodhale College of Engineering, Asangaon.

ITERA EVENTS

- An expert lecture on "**Job Opportunities for IT Engineer in RAW Indian Government**" was held by Miss. Pooja Dixit, 2017 batch, who is employed as a secret agent in the government of India. The talk was scheduled for **February 6, 2023**. 67 students attended the seminar.



- Women's Day** was celebrated on **March 9, 2023**. For the celebration 25 students were present for the event.



- The "Basketball Competition" was held on April 10, 2023. Seven teams in the male category and five teams in the female category i.e. a total of 96 students from the Sanjivani Group of Institutes, competed in the competition. Net Rippers and Blazzers are the winners in the female and male categories, respectively.



- On **April 11, 2023**, at S. G. Vidyalaya in Kopargaon, ITERA organised a community event on "**Awareness of Cyber Security**". 110 pupils participated in the exercise and profited from it.

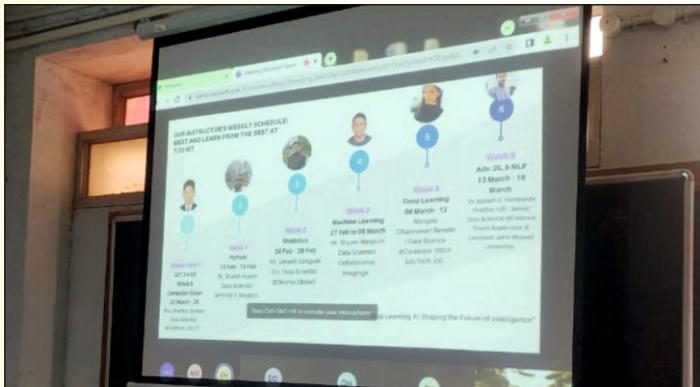




Mr. Rohit Nikam
In-Charge, ITERA

CSI EVENTS

- “**Data Science Course Kickoff: A Panel Discussion with Expert Speakers**” was the subject of the first event that was held. The event's goal was to help students develop their technical skills. Total 62 from S.Y. B.Tech (IT) students in total attended the online expert lecture. It took place on **February 13, 2023**. The resource persons for the same were Dr. Madhuri Jawale, Head of the IT Department, Prof. Hugo Proenca, UBI Portugal, and Prof. N.K. Deshmukh, SRTMU MH.



- “**Blind Coding**” was the second event held. The event's goal was to help students develop their technical and programming skills. There were 26 S.Y.B.Tech IT and computer students present in total. It took place on **February 24, 2023**. The winner was Miss Aditi Bairagi, S.Y. Computer, and the runner-up was Miss Gauri Hole, S.Y. Computer.
- “**Hackathon**” was the third activity that was held. The event's goal was to help students develop their technical

and programming skills. The event featured participation from 58 students from TY IT, Computer, ECE, Electrical, and Mechatronics. It took place on **April 6, 2023**. The winners were Mast. Chandrakant Patole, Mast. Aniket Salunke, Mast. Pratik Mane, Mast. Nishant Chandgude and Ms. Rinkita Lohakare, T.Y. Mechatronics.

- Under Ui-Path RPA Academy, a Hackathon “**Hack-a-Bot**” was conducted in Sanjivani College of Engineering, Kopargaon. Objective of the event was to improve the Technical and Programming skills of students. Total 72 students from SY and TY IT, Computer have participated in the event. It was conducted on **May 4, 2023**. Mast. Umesh Bobade, Mast. Vaibhav Lokhande, Mast. Shubham Kamandar and Mast. Raviraj Nehul, TY IT got First Prize of Rs. 4000/-. Mast. Abhishek Kusalkar, TY IT got 2nd Prize of Rs. 2500/-. Mast. Sanket Dawange, Mast. Piyush Shinde, Mast. Shekhar Bhide and Mast. Kartik Shinde, TY IT got Third Prize of Rs. 1500/-.



SANJIVANI GROUP OF INSTITUTES
SANJIVANI COLLEGE OF ENGINEERING, KOPARGAOON
UiPath RPA Academy : “Hack-a-bot” Hackathon Date: 4th May 2023

UiPath Student Community is a Global community of passionate, like-minded and enthusiastic students representing diversity in many ways yet, unity in their interest for learning RPA. Whether you're an experienced coder or just starting out, HACK-A-BOT is the perfect opportunity to showcase your talent, learn from experts in the field, and gain invaluable experience in the world of RPA. Students of Sanjivani College of Engineering have secured 1st, 2nd and 3rd prize in Hack-a-bot hackathon by working in a team to create innovative solutions to real-world problems using the powerful UiPath platform.

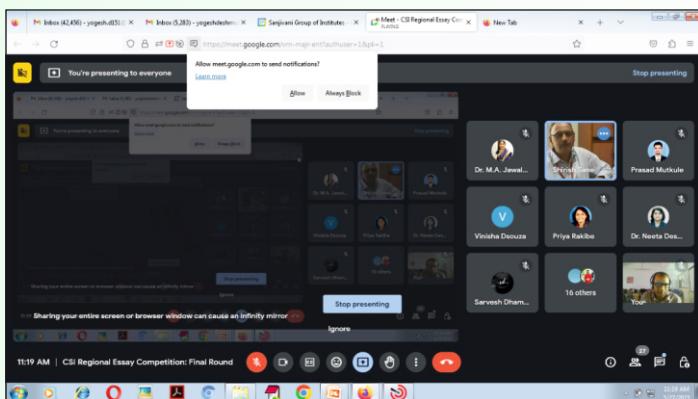
Winners are announced by UiPath RPA Academy

Congratulations

First Prize:4000/- Team name: TechTitans Mr. Umesh Bobade , Mr. Vaibhav Lokhande Mr. Shubham Kamandar & Mr. Raviraj Nehul Miss. Shital Rahane Student Champion	Second prize:2500/- Team Name: Lone Wolf	Third prize:1500/- Team name: KAPUS Mr. Sanket Dawange, Mr. Piyush Shinde Mr. Shekhar Bhide & Mr. Kartik Shinde Dr. M. A. Jawale HOD IT

- The “**Regional Level Essay Competition**” was the fifth and last event of the semester. The event's goal was to

help kids write and communicate more effectively. The event has attracted a total of 70 students from Ahmednagar, Nashik, Dhule, Jalgaon, and Nandurbar. It took place on May 27, 2023. For the School and College Category in English Medium, Miss. Ajita Pund from Sanjivani COE in Kopargaon won, and Miss. Ruchika Kapadnis from GES R.H. Sapat COE in Nashik came in second. For the School and College Category in Marathi Medium, Miss. Rekha Mahajan from SSBT's COE, Jalgaon won, and Miss. Abhisha Dhamale from Sanjivani COE, Kopargaon came in second. Miss. Gitanjali Patil from R.C.Patel Pharmacy, Nandurbar was Winner and Prof. Prasad Mutkule from Sanjivani COE, Kopargaon was Runnerup for Professional Category in English Medium. Prof. Priya Rakibe from K.K.Wagh, Nashik was Winner for Professional Category in Marathi Medium. For the Professional Category in English Medium, Miss. Gitanjali Patil from R.C.Patel Pharmacy in Nandurbar won, and Prof. Prasad Mutkule from Sanjivani COE in Kopargaon came in second. The Professional Category in Marathi Medium was won by Prof. Priya Rakibe from K.K.Wagh in Nashik.



Dr. Madhuri Jawale
CSI Student Branch Counselor

ALUMNI SECTION

A success of any institution can be measured by the contribution the alumni make to our national life. Ultimately institutions' alumni are key to its growth. We are proud to say that our IT Department alumni are contributing in it and interacting with the students to make them aware about new technologies and helping them in their career path.

SAP Alumni Meet

On **May 13, 2023**, a SAP alumni gathering was held to commemorate the contributions made by our SAP global certified alumnus across many industries. Mr. Chinmay from NTT Data, Dr. Ajaykumar Thakur, all of the Deans and HoDs, Dr. Anil Pawar, the SAP In-charge and SAP Team, as well as more than 50 alumni and 100 students, were present at the time of the ceremony.

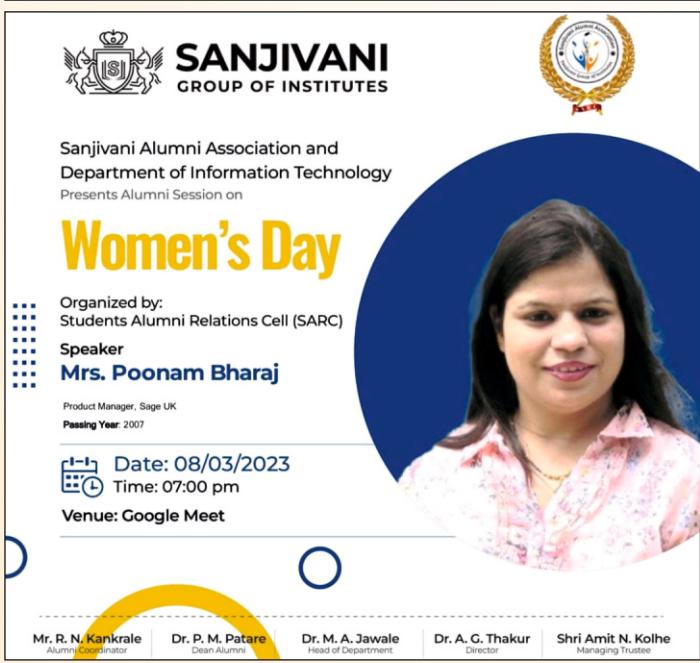




Some glimpses of the event

Webinar on “Women's Day”

On **March 8, 2023**, a webinar was held in honour of Women's Day. Over 70 students attended the webinar in total. The webinar's resource was Mrs. Poonam Bharaj, a Product Manager for Sage UK. Mrs. Poonam Bharaj provided a quick overview of Women's Day. She sparked discussion by posing questions that one must ask oneself before preparing for any exam is why one should appear for the exam as that reason itself is the motivation for the exam.



Webinar on “Let the job find you, Mastering job Interviews”

On Friday, **April 21, 2023**, a webinar titled "Let the job find you, Mastering job Interviews" was held in collaboration with VAAVE, Enriching Alumni Relations. Mr. Amol Rokade, a 2015 alumnus and senior Laravel specialist with BTC Power in the USA, served as the subject matter expert for the same. Faculty members and more than 50 students attended the session. Contrary to popular assumption, Mr. Amol Rokade began by stating that "the most important part of the interview is preparation." Preparation is often necessary to ace a job interview. Despite the fact that every employer has slightly distinct procedures for choosing and interviewing job prospects, the following advice may help you succeed regardless of the format or style of the interview: Do thorough study in advance, consider the culture of the firm while choosing your attire. Prepare a list of inquiries, a brief introduction, and Get in the correct frame of mind, start with light chat, appear confident, and limit your responses to the topic. On a positive note, wrap up the interview, etc.



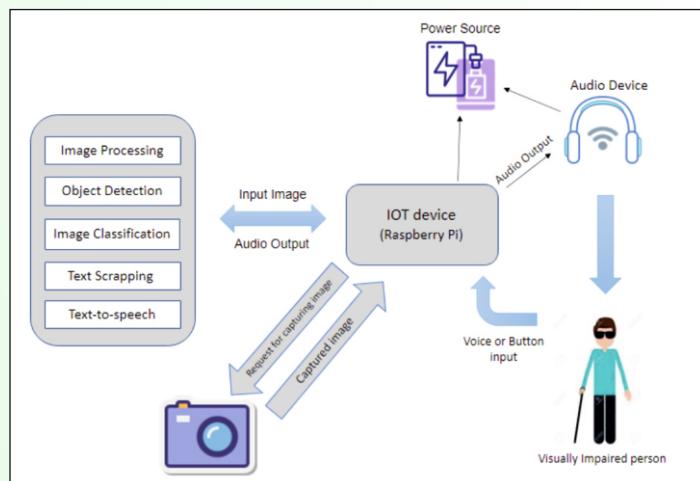
STUDENT ARTICLE

Money Detection for Visually Impaired Person

We see visually challenged folks all around us in our daily lives. They are having difficulties carrying out their daily tasks. One of the issues is to use bank money to make purchases and dealing with financial fraud. In light of this, we have suggested a system that will automatically identify the currency and provide output in audio format. Our system is split into various modules. Using a camera, we are gathering data for the first module. Following pre-processing, the deep learning model will determine whether the note is genuine or not, and if it is, it will classify the note. After that we utilized NLP to extract text from the Note and create the text. The created text is converted into audio with the aid of the Text-to-Speech Module, and the audio output is provided to blind users via a Raspberry Pi-connected audio device. We are concentrating on the following various system goals :

- To determine the veracity of a bank note based on visual input from a camera.
- To assign the correct class to the bank note.
- To generate proper text for the predicted note.
- To turn text from the third goal into speech.
- To deliver such speech output via audio equipment to a visually impaired person.

System Architecture



The system contains four sub-modules as follows:

- Object Detection :** With object detection, one can identify many items that are visible individually in a single image. Also, it will enable us to locate a specific object in a picture using coordinates. There are many object detection algorithms designed to recognize the object in an environment like Yolo, Detectron2. We are utilizing both of these approaches in our model to determine whether the note is false or not.
- Image Classification :** We can eventually classify an image in a unique way thanks to image classification, which also helps us identify class designations. The

image will be classified into the Rs. 10, Rs. 20, Rs. 50, Rs. 100, Rs. 200, Rs. 500, and Rs. 2000 note classes in this module. We tried Resnet50 and VGG16 for this and discovered that VGG16 performed better than Resnet50 for our task, hence we chose VGG16 as our classification base model.

- Text Extraction :** In text extraction, we concentrate on obtaining meaningful data for validation purposes as well as number denominations from the acquired image. To extract the text from the image of the bank note, we are utilizing the Python pytesseract module.
- Text-to-speech :** To help a person who is visually impaired, a text-to-speech algorithm is designed to take the text as an input from the model and convert it to audio output. We utilized the Python tool pyttsx3 to properly transform the human-understandable text to speech. This module provides a variety of capabilities, including customized voice, cross-platform compatibility, ease of use, and offline functionality.

- Mast. Aniket Jawale, Mast. Aniruddha Patil, Mast. Siddhesh Sagar, Mast. Akash Momale
- Guided by : Mrs. Kanchan Patil



Team IT giving send-off to Mr. Dineshkumar, AP, Dept. of IT and Mr. Dibare



B.Tech. 2023 Batch - First Autonomous Batch



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.

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