## 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
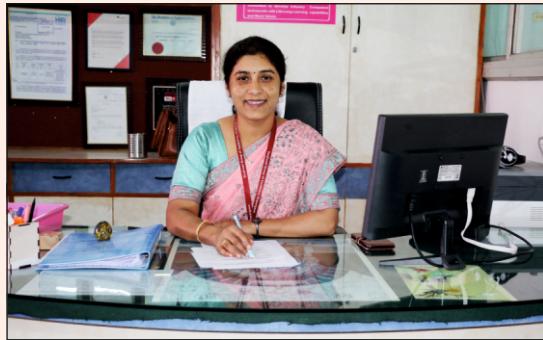


Dear Reader,

I am very happy to announce the commencement of our journey towards the effective implementation of the National Education Policy. Our efforts are aimed at fostering a holistic learning environment that nurtures creativity, critical thinking, and innovation.

As we continue to navigate the ever-evolving landscape of education, I am delighted to share some updates and insights regarding our ongoing efforts to enhance teaching and learning experiences within IT department.

One of the cornerstones of our approach to teaching and learning is the implementation of project-based learning (PBL). PBL not only fosters critical thinking, problem-solving, and collaboration skills but also provides students with real-world experiences that are invaluable in today's rapidly changing world.

I am very happy to see the incredible projects that have been developed and executed by our students as a part of Skill based Credit Course under the guidance of faculty. From innovative solutions to real-world problems to creative expressions of knowledge and understanding, each project is a testament to the dedication and creativity of both our students and faculty.

IT department students are started participating in different national level hackthons. I am delighted to share that recently we emerged as the champions, securing the first prize! in the Virtusa Jatayu Season 3, national level hackthon. This remarkable achievement is a testament to the hard work, creativity, and collaborative spirit of our students and faculty members.

By integrating rigorous academic curriculum with hands-on project-based learning experiences, we have equipped our students with the knowledge, skills, and competencies demanded by today's dynamic job market. As a result, students have achieved outstanding success in academics as well as shown commendable performance in extracurricular activities. At the same time students have secured exceptional placements across renowned industries.

I extend my heartfelt congratulations to my final year students on their remarkable placements. Last but not the least I appreciate the efforts of my faculty and supporting staff for their unwavering dedication and relentless efforts in nurturing and preparing students for success in their chosen careers. Let us continue to uphold our commitment to excellence and innovation as we strive to shape the future leaders of tomorrow.

**"Education is the most powerful weapon which you can use to change the world."** - Nelson Mandela

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

## FROM EDITOR'S DESK
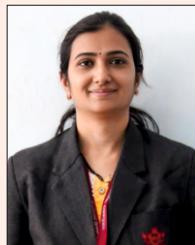


Dear Readers,

It is with great pleasure that I present to you the inaugural edition of our department newsletter for the academic year 2023-24. I extend my heartfelt gratitude to all the students, esteemed faculty members, Head of Department, Dr. Madhuri Jawale, Our Director, Dr. A. G. Thakur, our Management, and our proud alumni. Your collective contributions and unwavering support have been instrumental in bringing this edition to fruition.

*"Technology itself is neither good or bad. People are good or bad." -Naveen Jain*

1

I am thrilled to witness the success of our autonomy batches. The curriculum has evolved into a harmonious blend of forward-thinking topics while maintaining a strong foundation in the fundamentals. Our active participation in various events and internships is making a significant impact, and we take pride in contributing to our institution and sister institutions by developing software for everyday tasks. The dedication and hard work of both our staff and students are truly paying off, and I am confident that this positive momentum will continue.

As we move forward, let us keep the zeal alive and continue working towards a better tomorrow. The collaborative spirit within our department is our strength, and I am excited to see what we can achieve together in the coming months.

In the ever-expanding world of information, I want to emphasize the importance of focusing on tasks. In a time where distractions are abundant, honing your ability to concentrate is a valuable skill that leads to success.

Best of luck to each and every one of you in your academic pursuits and beyond. I look forward to reconnecting with you in the next edition..

**Mrs. Kanchan Patil,**
Editor, Department of IT

## NEWS AT A GLANCE

- Sanjivani always encourages and put forward the efforts for students to fly beyond the lines. Consistently in MITACS one more feather added to crown. **Ms. Vaishnavi Chandar** from Third Year Information Technology selected for Internship program at **Athabasca University**. It is a proud moment for her family and parents. Hon. Shri. Nitindada Kolhe, Chairman, SGI, Hon. Amitdada, Managing Trustee, SGI, Dr. A. G. Thakur, Director, SCOE, Dr. Madhuri Jawale, Head, IT along with Dr, M. B. Gawali, Dean SIRD felicitated her parents and wished her best luck for future journey.



- In the field of RPA automation tools like Uipath has set Industrial standard. Department of Information Technology has Ui-path Academy Training. Our one of the T.Y. students, **Ms. Arya Jadhav** is selected as **Uipath Student Champion** for Academic year 2023-24. Hon. Shri. Nitindada Kolhe, Chairman, SGI, Hon. Amitdada, Managing Trustee, SGI, Dr. A. G. Thakur, Director, SCOE, Dr. Madhuri Jawale, Head, IT along with other dignitaries felicitated her and wished her best luck. Dr. Yogesh Deshmukh is RPA Academy coordinator.



- Department of Information Technology organized **"Awareness in Cyber Security"** program to spread awareness among the girls and lady faculty members of **Shri. Saibaba English Medium School, Near 500 Rooms, Shirdi-423109** on **21st September 2023 at 12:30pm.** For the event, a Team from Department of Information Technology visited **Shri. Saibaba English Medium School, Shirdi.** Total 95 girls along with faculty members attended the event. Session was handled by **Miss. Sanskruti Jawale, Miss. Kaveri Mungse, Miss. Shraddha Jejurkar, Miss. Shraddha Jape** along with and program co-ordinator **Mrs. Kanchan Patil** from Information Technology Department.

- We are very excited to announce that Sanjivani has secured the **1ˢᵗ Winner Prize** in **National Level Virtusa Jatayu Season-3 Hackathon.** Our IT Department B.Tech students **"Team Lazycyborgs"**, Mr. Aditya Sakure, Mr. Chinmay Bitne, Mr. Vaibhav Chopde, Mr. Kiran Bachhav got the winner prize in the prestigious Industry "Virtusa Jatayu Season-3" Hackathon. Heartiest Congratulations to the winning Team and mentors Ms. Megha Kurhe and Mr. Umesh Sangule for their consistent & valuable guidance and mentorship. Congratulations to Hon'ble Management, Director, Mentors, and all the winning students.



- R&D Cell of Sanjivani College of Engineering in association with Department of Computer Engineering, Information Technology and Electronics and Computer Engineering has organized a 2nd International Conference on Recent Trends in Computing (ICRTC-2023) 19th and 20th December 2023. Dr. Rajnish Kamlakar Kamat, Vice Chancellor, Dr. Homi Bhabha State University, Mumbai was the chief guest whereas Dr. P. Panchanatham, Former Vice Chancellor, TNTEU, Tamil Nadu was Guest of Honor. Mr. Nitin Ghatpande, Former Group Director, ISRO Satellite Centre, Banlore, Col. Shreenath, Chief Innovation Officer, IITB, Bangalore, Ashish Mittal, CHRO, Sreenidhi Educational Group, Hyderabad were the Key Note Speakers. We received 250+ paper out of which 100 papers were selected for the presentation. Dr. P. William coordinated the event.

- Department of Information Technology, Sanjivani College of Engineering, Kopargaon In association with Sanjivani Alumni Network of Sanjivani Group of Institutes Kopargaon has organized a webinar on **"Placement Power Play: Gateway to opportunities"** for the students of all departments on 6th October 2023. Mr. Avishkar Dusane Software, Engineering Manager at McAfe was the resource person for the same. Mr. Dusane started about his college journey at Sanjivani College of Engineering. Then session was driven to the placement point of view. He started talking about why the companies do Campus placement. Then he told about aspects like talent acquisition, cost efficient recruitment, access to diverse skill sets, companies get early talent identification, brand building & Industry-academia Collaborations etc.



- We are glad to invite Mrs. Priya Rakibe, Assistant Professor, K. K. Wagh Institute, Nashik to interact with young minds with topic **"Innovation opportunities and Hackathons how to?"** She has guided the students on preparation and participation on Hackthon competitions. Prof. Umesh Sangule worked as a coordinator for the same.



- Let's congratulate our students **Mast. Kiran Bachhav (2024 batch), Ms. Nikita Nikam (2023 batch), Ms. Sandhya Nikale (2024 batch)** on obtaining a global SAP ABAP certification that is recognized all over the world. The title **"SAP Certified Development Specialist - ABAP for SAP Hana 2.0** has been awarded to each and every learner. Mast. Sarthak Petkar (2023 batch) and Mast. Tejas Deshmukh (2023 batch) were hired by HCL through this SAP program. Along with that Mast. Tushar Saraf (2024 batch) and Mast. Viraj Adhav (2024) batch got an internship opportunity at Uni Deritend Ltd. And Primus Techsystems respectively. The coordinator for the department is Mrs. Kanchan Patil.

- As Department is focusing on Outcome based education, Under the UHVE Course, Our S.Y B.Tech students have participated in different Social activities at different public places like Orphanage, Bus Stand, River side area, Government School and conducted various activities like Cleaning river side area, Cleaning bus stand premises, distributing necessary things to needy students in Govt. School, participated in Cleanliness Campaign, done tree plantation and participated in yoga as a part of curriculum to spread harmony among the children. To implement actual Human Values and Ethics in reality students are encouraged through such social activities. Dr. Devyani Jadhav and Mr. S. Muthuraj coordinated the same.

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5FQ3+2C9, Maharashtra 423104, India
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- An Expert session for SCOE Faculty Members was conducted on 30th October 2023 on the topic **Economic for Engineering.** The resource person for the same was Dr. Ravinder Rena, Durban University of Technology. Mr. Nitin Shelke coordinated the event.





- National Service Scheme unit of Sanjivani College of Engineering, Kopargaon organized blood donation camp on 18th September 2023. 150+ students and faculty members donated the blood.

  NSS organized "Know Your Culture Camp" at Kokamthan on 28th October 2023



- NSS organized "Traffic Rule Awareness Rally" on 20th October 2023 from Sanjivani College Of Engineering to Sai Corner.



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*"Quality in a service or product is not what you put into it. It's what the client or customer gets out of it." -Peter Drucker*

5

- NSS unit of Sanjivani College of Engineering Kopargaon organized voting card registration on 10th October 2023



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

## CLASS TOPPERS

### Class Toppers of May 2023 Exam

**BEIT**

| | | |
|---|---|---|
| Mast. Jawale Aniket Shrikrishn | : 8.89 SGPA | (1st) |
| Ms. Abhale Sonali Prakash | : 8.78 SGPA | (2nd) |
| Mast. Jadhav Vishal Walmik | : 8.67 SGPA | (3rd) |

**TEIT**

| | | |
|---|---|---|
| Ms. Rahane Shital Anna | : 9.10 SGPA | (1st) |
| Mast. Lungade Kiran Sanjay | : 9.05 SGPA | (2nd) |
| Mast. Godekar Atharva Vinod | : 8.95 SGPA | (3rd) |

**SEIT**

| | | |
|---|---|---|
| Ms. Chandar Vaishnavi Chandra | : 9.46 SGPA | (1st) |
| Ms. Ms. Amale Siddhi Satish | : 9.38 SGPA | (2nd) |
| Ms. Chavan Akshada Somnath | : 9.25 SGPA | (3rd) |

**FEIT**

| | | |
|---|---|---|
| Mast. Hon Shantanu Pradeep | : 9.62 SGPA | (1st) |
| Ms. Kolpe Pooja Shravan | : 9.48 SGPA | (2nd) |
| Ms. Kale Prajakta Gorakshanath | : 9.43 SGPA | (3rd) |

## TRAINING TO STUDENTS

- Department of Information Technology, Sanjivani College of Engineering, Kopargaon in collaboration with IBM has organized three days **"IBM Skill Development Workshop"** for Third Year students of Information Technology, Computer and ECE Students during 21st to 23rd September 2023. Resource persons for the same were Mr. Jayesh Chaudhari. Mr. Jitendra, Mr. Laxman kota. The workshop was organized by Ms. Megha Kurhe. We thank our Management for consistent support, Director, Dr. A. G. Thakur sir for his continuous guidance.

- Department of Information Technology, Sanjivani College of Engineering, Kopargaon in collaboration with **Sumago Infotech Pvt. Ltd, Nasik** has organized Training for Second Year students on **Front End Web Technology** on 3$^{rd}$-4$^{th}$ November 2023. Resource persons for training were Mr. Amol Pawar and his Team. The workshop was organized by Mrs. Kanchan Patil. The motto of the workshop was to make the students aware about new industry oriented Technologies. We thank our Management for everlasting support, Director, Dr. A. G. Thakur sir for his continuous guidance.

Kopargaon, Maharashtra, India
Information Technology's Building, Sanjivaani Factory, Sanjivani Engineering College, WF2V+JX3, Sanjivaani Factory, Singnapur, Kopargaon, Maharashtra 423603, India
Lat 19.901568°
Long 74.494971°
04/11/23 05:56 PM GMT +05:30

- Our 69 students have completed their internship in various companies like Mitacs, Canada, Celebal, Jio Platform Limited 1 student, Mypcot Infotech Pvt. Ltd. ,Virtusa 9 student, Coherendz India Pvt.Ltd , Meltavour Pvt. Ltd.  CodeSoft etc.

- Congratulations to SY and TY, 111 students have successfully completed **Cloud Foundation Course** of AWS academy. Mr. Nitin Shelke coordinated the same.

- Congratulations to all 150 students of SY BTech for successfully completing **NPTEL - Data Structure and Algorithm using JAVA course.** Dr. Yogesh Deshmukh, Mrs. Kanchan Patil, Ms. Megha Kurhe, Mr. S. Muthuraj worked as a Mentor for the same.

- Congratulations to 53 students of BTech for successfully completing **NPTEL - Google Cloud Computing Foundations course.** Dr. Chetan Bawankar worked as a Mentor for the same.

- Congratulations to 63 students of BTech for successfully completing NPTEL **E-Bussiness** course. Dr. Madhuri Jawale has worked as a Mentor for the same.

## PLACEMENTS

Congratulations to the following students from 2024 batch for being placed in various companies with high salary package.



Shinde Piyush Chandrakant
Tech Mahindra



Thorat Pranav Padmakar
Tefologic



Bhosale Namrata Pramod
Aress

Landage Abhijeet Ashok
Celebal/Godrej


Lokhande Vaibhav Kishor
Celebal


More Kishor Arjun
Celebal


Nagare Tejas Dilip
Celebal

Pawar Mitusha Jayant
Celebal


Phapale Abhijit Balasaheb
Celebal

Ghodekar Atharva Vinod
Celebal


Gunjal Tejas Gokul
Celebal

Jadhav Abhishek Vinayak
Celebal


Jape Dipjyot Dilip
Celebal

Hon Asmita Raosaheb
Celebal


Shinde Kartik Prakash
Remiges

Solanki Savi Hemant
Celebal


Thorat Dinesh Ashok
Celebal

Wagh Tejas Anil
Celebal


Bhide Shekhar Vishnu
Celebal
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Chandre Dipali Ravindra
Celebal

Hon Saurabh Kalyan
Colegate

Rahane Shital Anna
Colegate

Sakure Aditya Ravasaheb
Virtusa

Gade Pawan Subhash
Deloitte

Shinde Pramila Balasaheb
Deloitte

Gidge Ashwini Shantaram
Deloitte

Walte Arati Vijay
Deloitte

Kulkarni Divya Rajendra
Deloitte

Bhor Shreyas Ganpat
Deloitte

Wani Vaishnavi Yogesh
Deloitte

Dawange Sanket Shriram
Juspay

Shelke Sanket Chandrabhan
Netwin

Shinde Sarthak Laxman
Godrej

Bitne Chinmay Omkar
Virtusa

Lungade Kiran Sanjay
Godrej

Hon Akanksha Dwarkanath
Tefologic

Rahane Priyanka Bharat
Colgate

Darode Radhika Santosh
Remiges

Kolapkar Samarth Bhagwat
Remiges

Bachhav Kiran Raju
Virtusa

Chopade Vaibhav Pandurang
Virtusa

## 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.

- Congratulations to Dr. Yogesh Deshmukh for successfully developing and deploying website for Vijaysingh Mohite Patil School and College of Nursing and Medical Research of Institute, Akluj.

  https://vmpnmri.sssakluj.org/

- Congratulations to Dr. Yogesh Deshmukh and Mr. Nitin Shelke for successfully developing and deploying website for Sanjivani College of Pharmaceutical Education and Research, Kopargaon

  https://sanjivanipharm.org.in/

## STUDENT PARTICIPATION

- Ms. Arya Jadhav, Mast. Ritesh Gaikwad, Ms. Sakshi Funde shortlisted for set1 of the presentation round of Techgium.

- Ms. Siddhi Amale, Mr. Akshay Kotkar, Ms. Kaveri Tirse, Ms. Vaishnavi Thite and Ms. Shraddha Jape presented their SY seminar work in IEEE Conference. Dr. Devyani Jadhav guided these students.

- Mast. Govinda Raut has successfully completed Japanese N5 Certification.

- Mast. Swaraj Lande has successfully completed German A1 LEVEL certification.

- Mast. Kiran Bacchav, Ms. Dipali Chandre, Mast. Ghodekar Atharva, Mast. Rahul Kolase, Mast. Varun Patil, Mast. Dinesh Thorat, Ms. Kalyani Pawar and Mast. Vaibhav Shete got design patent granted on topic **"Dual Screen Multicamera Smartphone"**. Mr. Rohit Nikam guided these students.

- Mast. Bhor Shreyas, Ms. Darode Radhika, Mast. Landage Abhijeet, Mast. Hon Shrutik, Ms. Rahane Arati, Ms. Shinde Pramila, Mast. Wagh Tejas, Mast. Thorat Pranav got design patent granted on topic **"Wireless Charger for Headphone and Mobile"**. Mr. Rohit Nikam guided these students.

- Ms. Savi Solanki, Ms. Mithusha Pawar, Mast. Raviraj Nehul, Ms. Prajkta Kolse got Best Paper award in 2nd International Conference ICRTC 2023 organized by Department of IT, Computer, ECE in association with R&D cell of Sanjivani College of Engineering on 19th & 20th December 2023. Dr. Chetan Bawankar guided the students.





In the same conference, Mast. Aditya Sakure, Mast. Bachhav Kiran Raju, Mast. Chinmay Bitne, Mast. Chopade Vaibhav Pandurang, Ms. Dhawade Vaishnavi Vinayak presented a paper entitled, Generative AI Soulation for the Lane Depature, pedestrian detection and paving of Autonomous vehicle under the guidance of Dr. M. A. Jawale.

Mast. Lungade Kiran Sanjay, Ms. Rahane Arati Bhagwat, Ms. Rahane Priyanka Bharat, Ms. Rahane Shital Anna, Ms. Vaishnavi Sanjay Aher presented a paper entitled, Prescriptive Analysis for predicitng accidents based on weather condiation to avoid accidents in India under the guidance of Dr. M. A. Jawale.

Mast. Thorat Pranav Padmakar, Mast. Barde Chetan Machchhindra, Ms. Pawar Kalyani Kacharu, Ms. Hon Asmita Raosaheb, Mast. Patil Varun Vijay presented a paper entitled, AI-Based Question Paper Analysis and Generator with Authentication and Mast. Pradip Wankhede, Mast. Jalindranath Kangane, Mast. Sahil Paik, Mast. Shnatanu Dhokale, Mast. Sanket Ingle presented a paper entitles, Effects on the Economy based on Financial Crisis during COVID with EDA under the guidance of Mrs. Kanchan Patil.

Mast. Wagh Ishwar Santosh, Mast. Shelke Sanket Chandrabhan, Mast. Sadgir Sachin Bhaskar, Mast. Kusalkar Abhishek Laxman presented a paper entitled, Smart School Intelligence System with Biometric Authentication for Student Attendance and Safety under the guidance of Mrs. Megha Kurhe.

Mast. Phapale Abhijit, Mast. Thorat Dinesh, Mast. Landage Abhijeet, Mast. Gunjal Tejas presented a paper entitled, A Face Recognition-Based Smart Student Attendance and Activeness Monitoring System under the guidance of Mrs. Rohit Nikam.

Mast. Hon Shrutik, Mast. Tambe Abhishek, Ms. Ghadge Dipali, Mast. Saraf Tushar presented a paper entitled, A Face Recognition-Based Smart Student Attendance and Activeness Monitoring System and Ms. Shinde Pramila, Ms. Wani Vaishnavi, Ms. Gidge Ashwini, Ms. Kulkarni Divya, Ms. Sasane Pradnya presented a paper entitled, Non Tracable VPN Browser under the guidance of Dr. Chetan Bawankar.

Mast. Phapale Abhijit, Mast. Thorat Dinesh, Mast. Landage Abhijeet, Mast. Gunjal Tejas presented a paper entitled, A Face Recognition-Based Smart Student Attendance and Activeness Monitoring System under the guidance of Mrs. Rohit Nikam.

Mast. Bhide Shekhar Vishnu, Mast. Hon Saurabh Kalyan, Mast. Jape Dipjyot Dilip, Mast. More Kishor Arjun, Mast. Nagare Tejas presented a paper entitled, Smart waste detection and segmentation using Ultralytics YOLO v8 and Mast. Bora Jatin Ravindra, Mast. Borude Shantanu Vilas, Mast. Dhamone Siddhesh Dipak, Mast. Jeughale Shreyash Devanand, presented a

paper entitled, To predict emergency scenario using digital twin with the help of unreal engine under the guidance of Dr. M. B. Gawali.

Mast. Gade Pawan, Mast. Kolapkar Samarath, Mast. Shinde Sarthak, Mast. Sushil Kumar Sharma presented a paper entitled, Traffic sign board recognition and Alert System using R-CNN under the guidance of Dr. R. D. Chintamani.

Mast. Borude Satyam, Mast. Jadhav Abhishek, Mast. Sonawane Tejas, Mast. Gavate Rutuja, Mast. Nikale Sandhya presented a paper entitled, IoT based smart notice board using Raspberry pi under the guidance of Mr. A. A. Barbind.

Mast. Bhor Shreyas, Mast. Shinde Piyush, Mast. Dhage Yash, Mast. Hon Akanksha, Mast. Adhav Viraj presented a paper entitled, A Survey of Bus Pass System using Internet of Things under the guidance of Dr. N. S. Patankar.

Mast. Gaurav Agarwal, Mast. Akash Dukre, Mast. Atharva Puri presented a paper entitled, A Survey and Analysis of textual Content Based on Exploratory Data Analysis Technique and opinion analysis and Mast. Shravani Modhve, Mast. Priya Jadhav presented a paper entitled, Exploratory data analysis for the survey of social media on mental health with automation under the guidance of Mr. Umesh Sangule.

- Ms. Siddhi Amale, Mast. Akshay Kotkar has published papers entitled, A comprehensive analysis on 5G, IOT and its impact on agriculture and healthcare and Exploring Impact of 5G on IOT and Ms. Shraddha Jape, Ms. Kaveri Mungase, Ms. Vaishnavi Thite has published papers entitled, A comprehensive analysis on 5G, IOT and its impact on agriculture and healthcare in 2nd International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2023) organized by CARE College of Engineering, Trichy on 23-25 August 2023 under the guidance of Dr. Devyani Jadhav.

- In Smart India Hackathon 2023, in internal Hackathon at college level, 15 teams from IT department are selected which are 50% of total college level selected teams, Congratulations to all selected teams.

- In L&T Techgium Competition, Three teams were selected for Virual POC. Congratulations to Mast. Om Ushir, Mast. Yash Musmade, Mast. Rohit Salve, Mast. Vaibhav Vetal, Mast. Ritesh Gaikwad, Ms. Arya Jadhav. Ms. Sakshi Funde, Ms. Siddhi Amle.

## SPORTS NEWS

- Many Congratulations to Mr. Ashwin Satpute, TY BTech for Securing 3rd Position from Ahmednagar region in Inter Zonal weight lifting Competition 59 KG under SPPU organized by C.D. Jain College, Shrirampur as well he got 2nd prize in Interzonal Weight lifting Competition at Amruteshwar Mahavidyalay Vinzar, Pune.



- Congratulations to Ms. Arya Jadhav, TY BTechfor being selected as Team Member for Zonal level football matches.

- Mast. Swapnil Naikwadi, TY BTech secured Second position in chess event which was organized by Sanjivani College of Engineering, Kopargaon on the occasion of National Sports Day.



- Congratulations to Mast. Vaibhav Ghanghav and Mast. Danish Khan for selection at Zonal level.

# FACULTY ACHIEVEMENTS

- Dr. Chetan Bawankar has completed his Ph.D. in field of Cyber Security. Tiltle of his research study is **"Detection and Prevention of Botnet Attacks in Internet of Things using Blockchain"** at Oriental University, Indore.



- Mrs. Kanchan Patil received Lady Engineer Award by Institution of Engineers, India @ Ahmednagar Local centre on occasion of Engineers Day





- Dr. Devyani Jadhav is appointed as Associate IQAC at Sanjivani COE, Kopargaon.

- Prof. Ananad Barbind is appointed as a System Administrator at Sanjivani COE, Kopargaon.

- Mrs. Kanchan Patil & Dr. Chetan Bawankar are appointed as a Deputy Controller of Examination at Sanjivani COE, Kopargaon.

- Dr. Madhuri Jawale & Dr. Mahendra Gawali appointed as a recognized research Guide by SPPU, Pune in Computer Engineering Department at Sanjivani College of Engineering.

- Prof. Megha Kurhe & Prof. Nitin Shelake registered for Ph.D. in Computer Engineering department at Sanjivani College of Engineering, Kopargaon.

- Mr. Rajendra Kankrale receives NPTEL Star T-Shirt from IIT, Madras. In contrast, Dr. Madhuri Jawale, Dr. Yogesh Deshmukh, Mrs. Kanchan Patil, Dr. Chetan Bawankar, Mr. S. Muthuraj, Mrs. Megha Kurhe have complted the NPTEL course as well receive Mentor Certificates from NPTEL.

- Congratulations to Dr. Chetan Bawankar, Mr. Nitin Shelake and Ms. Simran Bharati for completing AWS Academy Cloud Foundations course.

- Congratulations to Dr. Yogesh Deshmukh for being facilitated for his contribution to UiPath Academy.



- Congratulations to Dr. Yogesh Deshmukh for being facilitated for his contribution to SIRD.

## FACULTY PUBLICATION & PARTICIPATION

- Dr. M. A. Jawale, Dr. P. William published papers in Journal of Nano and Electronic Physics on the topics, 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, Investigation of the Electronic and Optical Properties of Nanostructured Glasses and Composites, Analysis of Silver Nanoparticles as Carriers of Drug Delivery System etc.

- Dr. Mahendra Bhatu Gawali published a paper entitled, Fault prediction model in wind turbines using deep learning structure with enhanced optimisation algorithm in Taylor and Francis Journal of Control and Decision.

- Dr. Mahendra Bhatu Gawali published a paper entitled, A Novel Approach to Fake News Detection Using Generative AI in International Journal of Intelligent Systems and Applications in Engineering, Enhancing Mobile Multimedia Trustworthiness through Federated AI-based Content Authentication: Enhancing Mobile Multimedia in Journal of Mobile Multimedia and A novel human-to-robot interaction model based on transfer expert reinforcement learning with recurrent neural network in Journal of Autonomous Intelligence (2024).

- Dr. D. S. Jadhav has published papers entitled, A comprehensive analysis on 5G, IOT and its impact on agriculture and healthcare and Exploring Impact of 5G on IOT in 2nd International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2023) organized by CARE College of Engineering, Trichy on 23-25 August 2023.

- Dr. M. A. Jawale, Dr. P. William published papers on File Tracking System Using SAP Technology with Cloud Web Services in 2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS).

- Dr. M. A. Jawale, Dr. P. William published a book chapter on Quantum Cryptography for the Future Internet and the Security Analysis in Quantum Computing in Cyber security, Wiley Publisher.

- Dr. N. S. Patankar published a Scopus Indexed book chapter on Exploring the potential of artificial intelligence in wireless sensor networks and on A novel blockchain-based artificial intelligence application for healthcare automation in Walter De Gruyter Publication.

- Mr. Prasad Mutkule worked as Reviewer in International System and Management Science (ISMS-2023) by OPJU University on 23rd and 24th December 2023.

- Mr. Prasad Mutkule has presented a paper "Decoding the Rose's Enigma: A Comprehensive Analysis of Rose Leaf" and and a Paper "An Image Compression Technique Based on Dual-Tree Complex Wavelet Transforms and Single Value Decompression by Means of Single Value Decomposition" in Springer International Conference On Futristic Trends In Networks & Computing Technologies (Ftnct-2023) held at Institution of Engineer's (IEI), Chandigarh

- Mr. Prasad Mutkule has published a paper in international Journal on Recent and Innovation Trends in Computing and Communication on the topic Mind Control Robotic Arm: Augmentative and Alternative Communication in the Classroom Environment.

- Mr. Prasad Mutkule has published a Book Chapter in Book Entitled, " Industry 4.0 Convergence with AI, IoT, Big Data and Cloud Computing: Fundamentals, Challenges and Applications" with the chapter name as Predictive Analytics Algorithm for Early Prevention of Brain Tumor using Explainable Artificial Intelligence (XAI): A Systematic Review of the State-of- the-Art.

- Congratulations to Dr. P. William for Patent grant on Health Monitioring System.

- Mr. Rohit Nikam got design patent granted on topic "Dual Screen Multicamera Smartphone" and "Wireless Charger for Headphone and Mobile".

- Dr. Yogesh Deshmukh has received Patent grant on automated bird spices identification using audio signal processing and convolutional neural network.

- Dr. Nikhil Patankar has received a grant on IOT based Air Pollution Monitoring Device on 2nd May 2023.

- Mr. Prasad Mutkule has received Patent grant on Smart Vein identifying Wrist band, on Portable Plant disease detection device and on IOT based Autonomous wheelchair

- Mr. S. Muthuraj received a Patent grant on "Machine Learning Based Pest Detection And Alert System For Farmers Using Internet Of Things To Improve Agriculture Yield"

- Mr. Prasad Mutkule got 1st UK design Patent granted on 17th July 2023.

- Dr. M. B. Gawali worked as a resource person for the FDP.

- Dr. Madhuri Jawale, Dr. Chetan Bawankar,

Mrs.Kanchan Patil, Mr. S. Muthuraj have attended 3 days FDP on UHVE on 10th -12th August 2023 conducted by AICTE.

- Prof. Aanand Barbind attended **"Intel India Conclave"** at Intel Campus, Bangaluru.



- Prof. Anand Barbind attended One week Faculty Development Program on "Course Development".

- Mrs. Kanchan Patil successfully completed Module 7: Creative Problem Solving, Innovation and Meaningful R & D and Module 8: Institutional Management & Administrative Procedures of NITTTR.

## ITERA EVENTS

- On 5th September "Teachers Day" was celebrated at department under the banner of ITERA, students felicitated Teachers. Special videos were created and played for department faculties by students to recall memories. Different games organized by students for Teachers.





- A webinar on **"Success Attributes, Mental Stability & Handling Pressure"** was organized. The expert for the same was Ms. Suvarna Navsupe-Girhe (Alumni 2009 batch), Former Tech Lead & Senior Unix Consultant, Infosys who worked in India for different MNCs such as HP, Tech Mahindra, Amdocs, & Infosys. The session was organized on 7th September 2023. For the webinar 116 students were present.
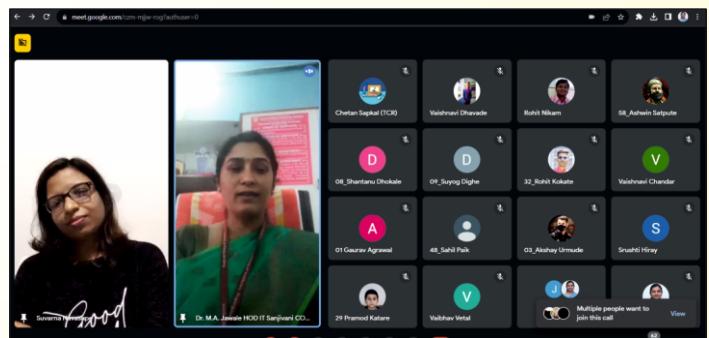


- ITERA **"Talent show and Opening"** ceremony was organized on 16th October 2023. For the function 82 students were present.

- A webinar was organized on **"Corporate Expo 2023"** by IT professional Mr. Saurabh Korade who is working as Software Development Engineer at YAHOO California, United States on 30th November 2023. For the webinar 59 students are present. Mr. Prasad Mutkule coordinated the same.



- All the staff and students of department of Information Technology contributed in arranging **"Donation Camp - A Social activity"** for deaf and dumb students. A visit was done at Lions club on 30th November 2023. In the Lions club 56 students were present.



**Mr. Rohit Nikam**

In-Charge, ITERA

## CSI EVENTS

- It gives us a great joy to announce that the CSI accredited student wing was formed in our college with total 400 students from SY, TY, Final year IT and Computer. We are hopeful that this student wing will reach new heights by organizing thoughtful events and knowledge enrichment programs. Below is the brief description of events organized and conducted in First semester of academic year 2023-24.

- The First event conducted was **"Programming Competition"** on the occasion of Engineers Day. Objective of the event was to improve the Technical skills of students. Total 60 students from SYIT Div-A and 21 students from SYIT Div-B participated in the event. It was conducted on 15th September 2023. Mr. Shinde Krushna (SYIT Div-B) and Mr. Thorat Vedant (SYIT Div-B) was Runner-up and Mr. Ghodake Shreyas (SYIT Div-A) and Miss. Kale Prajakta (SYIT Div-A) was the winner.





- The Second event conducted was "Awareness in Cyber Security". Objective of the event was to improve the Technical skills of students. Total 130 students from 10th class of Shri. Saibaba English Medium School, Near 500 Rooms, Shirdi-423109 have attended the awareness session. It was conducted on 21st September 2023. Dr. Yogesh Deshmukh, Assistant Professor and Mrs. Kanchan Patil, Assistant Professor, Department of Information Technology, SCOE, Kopargaon was the resource person for the same.

- The Third event conducted was Awareness programme on **"Internet of Things".** Objective of the event was to improve the Technical skills of students. Total 76 students from 8th to 9th class of Kasturba Gandhi Balika Vidyalay, Pada, Tryambakeshwar, Nashik and Kasturba Gandhi Balika Vidyalay, Igatpuri, Nashik have attended the awareness session. It was conducted on 12th October 2023. Mr. Piyush Shinde (B. Tech IT), Mr. Dinesh Thorat (B.Tech IT), Mr. Kartik Shinde (B. Tech IT) and Mr. Kishor More (B. Tech IT) has delivered the session to the students.



- The Fourth event conducted was **"Opening function of CSI Student Branch, Kopargaon 2023-24"**. Objective of the event was to improve the Extra Curricular skills of students. Total 150 students from FY SY and TY B. Tech (IT) have attended the function. It was conducted on 16th October 2023.



- The Fifth event conducted was **"Project Exhibition (IoT and SBCC)"**. Objective of the event was to improve the Technical skills and Presentation skills of the students. Total 70 students from TY B. Tech (IT) have presented the projects in the exhibition. It was conducted on 18th December 2023. Hon'ble Shri. Amit N. Kolhe, Managing Trustee, SGI, Kopargaon, Dr. A. G. Thakur, Director, SCOE, Kopargaon and Dr. M. A. Jawale, HOD IT have evaluated all the projects. Dr. Yogesh Deshmukh and Dr. Nikhil Patankar coordinated the event.





**Dr. Madhuri Jawale**
CSI Student Branch Counselor

*"The Change manager is like the air traffic controller of the production environment."*

## 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.

- Department of Information Technology, Sanjivani College of Engineering, Kopargaon always focuses on outcome based education. Our Visionary Leader Honorable Shri. Shankarraoji Kolhe Saheb was always motivating faculty members and students to work on Live Projects. As a 40 year Jubilee celebration of Sanjivani, one of the Alumni Mr. Amol Rokade (2015 batch), Senior PHP Developer, Laravel Specialist, Embed Square Pvt. Ltd. visited the Department and guided Third Year students for Project Based Learning on 30th September 2023. The session was interactive and will definitely help students to work on the Live Projects. Mrs. Kanchan Patil coordinated the session.



- As a 40 year Jubilee celebration of Sanjivani, Alumni Meet **"SMARAN-23"** was organized by Sanjivani College on 23rd and 24th December 2023. During these two day event our proud alumni visited our department, shared about their career journey, old memories in college. They also promised to help our student for further guidance in recent trends and technology.

- One of our proud alumni Ms. Aishwarya Kothstane (2019 batch alumni) visited department on 30th December 2023. She has completed her Masters from one of the reputed foreign university. We really appreciate her progress.

**Result Analysis and Visualization to Improve Decision Making for Educational Institutes**

Educational institutions are awash in valuable data, but unlocking its potential requires the right tools. The proposed system explores how Microsoft Power BI, a data visualization platform, can empower educational leaders to analyse, visualize, and act on their data, ultimately optimizing learning environments, improving teaching methods, and boosting student outcomes. Power BI provides a powerful landscape for decision-making, offering key performance indicators (KPIs) and detailed breakdowns in a user-friendly format. This empowers institutions to raise academic standards, improve teaching, and optimize resource allocation for a more efficient educational ecosystem.
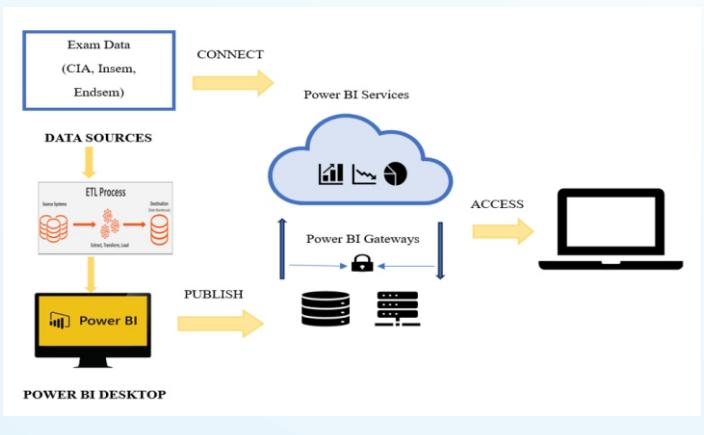


The project's primary objectives are to gather, combine and analyse educational data from a variety of sources, such as student information systems, Continuous internal assessment databases (CIA), In-Sem-Exam and End-Sem Exam. This data is translated into logical visualizations, reports, and dashboards with the help of Power BI's strong capabilities, giving educators and decision-makers a thorough understanding of student performance, demographic breakdowns, and curricular efficacy. Power BI's features give educational stakeholders (Staff, Students, Parents, Alumni) the capacity to spot new trends.

**- Ms. Prajakta Kolse, Mast. Raviraj Nehul,**
**Ms. Mitusha Pawar, Ms. Savi Solanki**
**- Guided by : Dr. Chetan Bawankar**

- Department has celebrated "Dasshera". On this auspicious day, Department's all labs and classrooms are worshipped by Head of Department, all faculty members and students.

- On the occasion of **"Diwali"**, All the FY, SY, TY and B.Tech students given with chocolate as symbol of love and celebration on the behalf of Department and wished them all "Happy and Prosperous Diwali". Students distributed "Diyas and Diwali Greeting cards" to all faculties on the occasion of Diwali.











- **B.Tech. 2024 Batch – Second Autonomous Batch**

**Team IT giving send-off to Dr. Devyani Jadhav AP, Dept. of IT. We'll miss her smiling face around here!**

## 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.

## 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.

## EDITORIAL BOARD



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*ITSM delivery is all about helping people and that's why it's important to keep the human touch intact.*