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 happy to welcome you in midst of the semester classes. Seeing all of our students back is a great satisfaction for us all teachers…We are reliving and rediscovering the magic of learning!

Although 2021 was full of challenges and uncertainties. Covid -19 pandemic has tapped us to come out of our comfort zones and face the challenges with the willpower to live and work in critical situations. We all went through many challenges during pandemic, but with sincere efforts and honest hard work, we came out of this worst situation.

This semester has been a mixed set of learning for us… We have many achievements to be highlighted. We took the advantage of online mode to interact with our network of alumni, industry experts. We signed MOU with Celebal and ADVIT AI lab in this semester. This platform will help the students to get opportunity of placements, Internships and sponsored projects as well.

Students also did a wonderful job. Many students completed SAP ABAP certification, Coursera and NPTEL online certifications, Internships. Placement season was started with good packages.

As we all know that Sanjivani is known for quality education. Our team of fabulous faculty members has displayed boundless energy and intense commitment to keeping the ethos of our department shining brightly. Faculty are working very hard to bring innovations in Teaching and Learning as well as in student's assessment.

I believe in the opinion of Dr. APJ Abdul Kalam, *"All Birds find shelter during a rain. But Eagle avoids rain by flying above the Clouds. Problems are common, but attitude makes the difference".* So Be Positive, Do Good and Be Good.

My best wishes to all my students for an incredible journey!!.

- Dr. Madhuri A. Jawale
Professor and Head
Department of Information Technology

FROM EDITOR'S DESK

Dear Readers,

It's my pleasure to launch this first edition for academic year 2021-22. I am thankful to all the students, faculty members, Head of Department, Dr. M. A. Jawale, Our Director, Dr. A. G. Thakur, our Management and our proud alumni who have contributed and supported me to complete this edition. Last year was so much stressful for all of us and everyone was fighting with that bad time. But now the scenario is changing and everyone is healing. Let us begin with the new josh, accept the challenges, try to find out the opportunities to see the improved version of ours on every new next day. All the Best. See you in the next Edition.

Ms. Kanchan D. Patil,
Editor, Department of Information Technology

NEWS AT A GLANCE

- At Sanjivani, we prepare the leaders of tomorrow. Ms. Vaishnavi Vinod Naikwade, TYIT is selected for the MITACS Global Internship, Canada 2022 in University of New Brunswick, Canada.

Hon. Amitdada Kolhe, Manageing Trustee, SGI along with Dr. A. G. Thakur, Director, SCOE, Dr. M. A. Jawale, Head of IT, Dr. M. B. Gawali Dean of International relations, felicitating Vaishnavi and her parents.
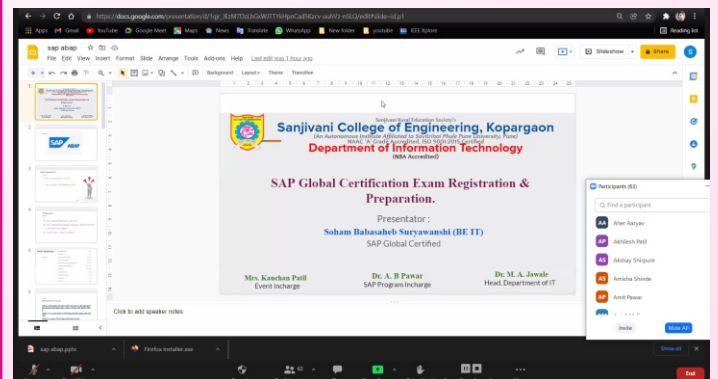

- Sanjivani College of Engineering has signed MOUs with different industries. Under these MoUs, students get the opportunity of placements as well for the Internship. Recently Sanjivani COE signed a MoU with ADVIT AI labs. ADVIT AI labs under the guidance of Mr. Bhushan Muthiyan have been working in the field of AI and Data Science. Students will get an opportunity to get practical knowledge in the field of AI, ML, Deep Learning etc.
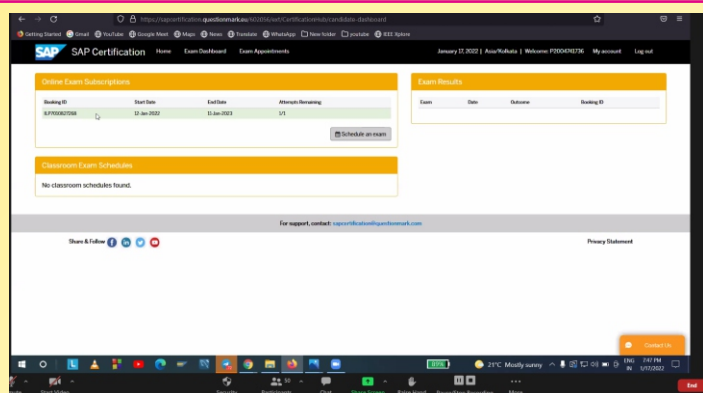

Dr. A. G. Thakur, Director, SCOE, Dr. D. B. Kshirsagar, Head of CE Dept., Dr. B. S. Agarkar, Head of ECE Dept., Dr. M. A. Jawale, Head of IT Dept., Dr. Tidake, Dean, T&P Dept. were present for the MoU.

- Another MoU was signed with 5GRaaS-University Cloud Extranet Program which allows multiple universities to interconnect and intra connect their various colleges to perform research & development activities on 5G. It allows users to deploy various test-beds around IoT, Augumented Reality and Virtual Reality.

- Let us congratulate our students Mr. Pratik Naikwade, Ms. Gaikwad Rajani Ramnath, Mr. Soham Suryawanshi, Mr. Sonawane Roshan Vilas, Mr. Sayyad Sajid Munir, Ms. Sonawane Diksha Raju, Mr. Pangavhane Dipak Bhausaheb, Ms. Joshi Vaishnavi Navneet, Mr. Pawar Abhay Janardan, Ms. Lalwani Shrutika Narendra, Ms. Bhirud Ketki Bhuvaneshwar, Mr. Jadhav Mahendra Rambhau, Ms. Mahajan Ankita Shivaji, Mr. Gursal Shreyas Vinayak, Ms. Khandekar Purva Sahebrao, Mr. Deore Akash Changdeo, Mr. Waghmare Suyash Vijay, Mr. Shirsat Akshay Vasudev, Mr. Darange Yashwant Chhaburao, Mr. Masane Shubham Rajendra, Mr. Avdhoot Tukaram Wakchaure, Mr. Kanawade Prasad Babasaheb 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"**. Mrs. Kanchan Patil is working as SAP Department Coordinator.

- Department has organized an interactive session on SAP Global Certification Exam Registration & Preparation on 17th January 2022 at 07:15pm in online mode. Mr. Soham Suryawanshi, our globally certified candidate elaborated the complete process along with key points of preparation.

"Getting information off the Internet is like taking a drink from a fire hydrant." -Mitchell Kapor

- It gives us immense pleasure to announce that UiPath Academic Alliance recognize educational partnership with Sanjivani College of Engineering, Kopargaon for collaboration on growing the Robotics Process Automation (RPA) knowledge ecosystem. As a part of this Academic Alliance 10 students from TY IT have successfully completed courses such as RPA Developer Foundation, RPA Business Analyst Training, RPA Starter training, Introduction to the RPA Developer Role.

- Our NSS team is always trying to work for society and organizes different activities such Blood Donation Camp in association with Sanjivani Blood bank, Fit India Run 2.0, and Plastic Free Fort Drive at Ankai etc. NSS has also organized 4 days sessions on occasion of Yoga Day. Red Ribbon Club under the banner of National service scheme had organized Free COVID -19 vaccination Drive on 14th October 2021 for the Staff and Students of Sanjivani Group of Institution as a preventive measure against rapidly growing disease. About 192 people were vaccinated with either Covishield or Covaxin

- On the occasion of World AIDS day, an awareness programme was organized on 1st December 2021. Dr. Yogesh Kurdal, Medical Officer was chief guest for the same. Dr. Nikhil Patankar is working as the departmental NSS coordinator.

ACADEMIC ACHIEVERS

Savitribai Phule Pune University Exam
May 2021 Class Toppers

BEIT

Ms. Khandekar Purva Sahebrao	: 10 SGPA	(1st)
Ms. Kurhe Aishwarya Kailas	: 10 SGPA	(1st)
Mr. Sonawane Aniket Rajendra	: 10 SGPA	(1st)
Mr. Rashinkar Suraj Ramesh	: 9.95 SGPA	(2nd)
Mr. Bhaskar Nikhil Rajendra	: 9.89 SGPA	(3rd)

TEIT

Mr. Cholke Pratik Tushar	: 10 SGPA	(1st)
Ms. Kale Ashwini Dattatray	: 10 SGPA	(1st)
Ms. Magar Shivani Vikram	: 10 SGPA	(1st)
Ms. Patel Payal Gotu	: 10 SGPA	(1st)
Mr. Shaikh Altaf Mohmmadrafik	: 10 SGPA	(1st)
Mr. Shaikh Parvej Anwar	: 10 SGPA	(1st)
Ms. Trivedi Himani Ganesh	: 10 SGPA	(1st)
Ms. Navale Sakshi Rajendra	: 9.98 SGPA	(2nd)
Ms. Chaudhari Dnyaneshwari M.	: 9.93 SGPA	(3rd)
Ms. Dheple Pravin Nandkumar	: 9.93 SGPA	(2nd)
Ms. Hon Prajakta Dadasaheb	: 9.93 SGPA	(3rd)

SEIT

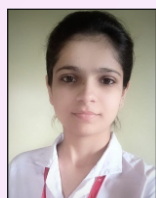|		
Ms. Kharat Nikita Ashok	: 9.75 SGPA	(1st)
Ms. Naikwade Vaishnavi Vinod	: 9.66 SGPA	(2nd)
Mr. Jadhav Vishal Walmik	: 9.59 SGPA	(3rd)

TRAINING & PLACEMENT NEWS

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

Mr. Shubham S. Ghogare,
Sr. Analyst, Capgemini.
Python Developer,
Celebal Technologies, Pune.

Mr. Mr. Roshan Jadhav
Sr. Analyst, Capgemini.
Project Engineer, Wipro, Pune.
Assistant System Engineer-
Trainee, TCS, Pune.
Application Development
Associate, Accenture.

Ms. Himani Trivedi
Software Developer,
Winjit Technologies, Nashik.

Mr. Parvej Shaikh
Software Developer,
Persistent, Pune.

Ms. Tejal Tupe
Project Engineer, Wipro.
.

Ms. Shivani Magar
Sr. Analyst,
Capgemini.

Ms. Mansi Lokhande
Project Engineer, Wipro.

Ms. Ketki Bhirud
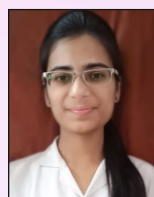Software Developer,
Persistent.

Ms. Sakshi Dange
Software Developer,
Persistent.

Ms. Priyanka Gawali
QA Analyst,
Celebal Technologies,
Pune.

Ms. Madhuri Aher
Project Engineer,
Wipro.

Ms. Prajakta Wagh
Analyst,
Capgemini.

Ms. Akshada Goraksha
Analyst,
Capgemini.

Ms. Vaishnavi Turkane
Project Engineer,
Wipro.

Mr. Pratik Patil
QA Analyst, Celebal
Technologies, Pune.

Ms. Sakshi Navale
Project Engineer,
Wipro.

Ms. Ashwini Kale
Software Developer, Persistent.
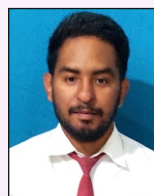
Mr. Subodh Jadhav
Project Engineer, Wipro.

Mr. Vaibhav Jagdhane
Software Developer,
Persistent.

Ms. Rutuja Jape
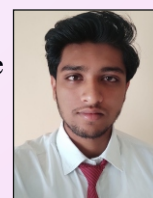Analyst, Capgemini.
Project Engineer, Wipro.

Ms. Dnyaneshwari Chaudhari
Software Developer,
Persistent.

Mr. Dushyant Jadhav
Junior Test Engineer,
Zensoft Technologies, Pune.
QA Analyst,
Celebal Technologies, Pune.
Assistant System Engineer-Trainee, TCS.
Application Development Associate, Accenture.

Mr. Raman Suryawanshi
Analyst, Capgemini.

Mr. Suyash Waghmare
QA Analyst, Celebal
Technologies, Pune.

Ms. Hon Prajkta
Project Engineer,
Wipro.

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 **Alumni Refund Management System (Caution Money Deposite)** for student section of Sanjivani College of Engineering. This system adds students just by uploading the MS-Excel file of the students deposited details at the time of admission and at the time of clearance of student helps to deduct different charges such as breakage, alumni association & to print refundable amount. It provides facility for generating and downloading the reports department wise for pending students and completed students.

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

STUDENT PARTICIPATION

- Our final year student, Ms. Surabhi Kulkarni got selected in Top 14 finalists in Indian Idol Marathi show on Sony Marathi.

Hon. Amitdada Kolhe, Manageing Trustee, SGI congratulating Surabhi and her father.

- Mr. Pratik Cholke, Mr. Roshan Jadhav, Mr. Parvej Shaikh, Mr. Altaf Shaikh (Team Advil) has participated in AICTE Regional level Chatra Vishwakarma Awards 2020 and they received the certificates. Mr. Anand Barbind has guided these students.

- 32 Students from third year has registered and successfully completed NPTEL course on **Python for Data Science** and 42 Students successfully completed

different coursera courses such as Internet of Things, Effective Communication, Web Development, Google Ads for Beginners, Python for Everybody etc.

- Ms. Nikita Kharat, Ms. Shubhangi Gunjal, Ms. Arpita Game and Mr. Prashant Dhage have successfully completed **NAT Q5 Test.**

- Mr. Zahir Pathan along with his team Mr. Faiz Khan participated in Ideathon Competition at Institute level and Secured 4th rank. They have presented the idea entitled **"Raksha App".** The objective is to provide security to women and children. Configuration of this app will provide a small widget on screen, which will be always ON. Three consecutive clicks will send the location of user and then record voice and video of victims.

- Students from third year Mr. Prithviraj Dhorde, Ms. Vaishnavi Pawar, Mr, Bhushan Aware, Mr. Yash Pangavhane, Ms. Vaishnavi Naikwade, Mr. Sandip Navale, Ms. Arpita Game, Ms. Punam Jadhav, Ms. Prajkata Patil got selected for **Neodocto Internship** at different fields such as Associate Artificial Intelligence Intern, Associate Digital Marketing Intern, Associate Data Analyst Intern, Associate Web Developer Intern etc.

- Mr. Roshan Jadhav has selected as **a Role Network Security Intern** in FXIII Enhance Private Ltd, New Delhi.

- Mr. Sanket Daware & Mr. Rohit Maind has successfully completed one week virtual training on **Saleforce Technology Admin** at NIT, Nagpur.

- Mr. Saurabh Hon, SYIT selected as Inern for **IIVP Internship, UK**.

FACULTY PARTICIPATION

- We are happy to share that one of our faculty, Dr. Nikhil Patankar has successfully defended his Ph.D. in Computer Science and Engineering, titled **"Design and Implementation of Key Generation Techniques in IoT Systems"** from Madhyanchal Professional University, Bhopal.

Hon. Amitdada Kolhe, Manageing Trustee, SGI along with Dr. A. G. Thakur, Director, SCOE and Dr. M. A. Jawale, Head of IT felicitating Dr. Patankar

- Dr. Madhuri Jawale has published a paper entitled, **"Enhancing Agricultural Product Supply Chain Management Using Blockchain Technology: Concept"** in Scopus Indexed journal Recent Trends in Intensive Computing IOS Press.

- Mrs. Devyani Jadhav publish a petent entitled **"A System & Methods for Detecting Swine Fl"** and **"An Automatic Machine for Ring And Label Removing including cleaning from outside and inside with all direction for used liquor glass bottles"**

- Mr. Rameshwar Chintamani published a paper entitled **"Comparative Study of Motor Imaginary EEG Classification using Ensemble based Approach for Patients with Amyotrophic Lateral Sclerosis"** in Scopus indexed Design Engineering journal.

- Mr. Rohit Nikam has published a paper entitled, **"Data Privacy preservation and security approaches for sensitive data in Big Data"** in Scopus Indexed journal Recent Trends in Intensive Computing IOS Press.

- Mrs. Kanchan Patil and Mr. Yogesh Deshmukh has presented a paper entitled **"Implementation of Linear Regression Based Trend Analysis model using Hadoop for e-commerce"** in Springer International Conference on Data Engineering and Applications on 9th October 2021.

- Mr. Nikhil Patankar has presented a paper entitled, **"Efficient Secrete Key Generation for Internet of**

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

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FACULTY INTERACTION

- Dr. Madhuri Jawale was invited as a Speaker in Online Pre-Ph.D Coursework at Dr. BAMU Aurangabad to guide Ph.D. Students as well she has worked as a resource person for the expert talk conducted on 10th January 2022 on the topic **"Algorithms & Algorithmic Strategies"** for second year students at MVP'S KBT COE, Nashik.

  She has also invited as a Guest for the **READ-A-THON** challenge prize distribution ceremony at Sanjivani Academy, Kopargaon.

- Dr. Madhuri Jawale worked as a Resource Person in one week FDP on **"NBA Accreditation criteria 3 & 4"** held during 22nd November 2021 to 27th November 2021 at Sanjivani KBP Polytechnic, Kopargaon.

- Dr. Mahendra Gawali was invited as a **General Chair** for international conference, Montereal, Canada.

- Dr. Mahendra Gawali worked as a **reviewer** for the Journal of Ambient Intelligence and Humanized Computing as well for ARRAY-D-21-00328.

- Dr. Mahendra Gawali, Mr. Rameshwar Chintamani, Mr. Rohit Nikam, Mrs. Kanchan Patil, Mr. Nikhil Patankar, Mr. Shekhar Kausalye and Mr. Prasad Mutkule attended 1 week FDP/ STTP on different topics such as Robotics, Machine Vision & Digital Twin, Advance Advanced Applications in Artificial Intelligence and Machine Learning, Software Testing, Role of Block Chain Technology in India organized by AICTE-ATAL academy.

- Mrs. Kanchan Patil has delivered a lecture on **"Computer Organization – overview and case study of 8086 assembly language programming"** on 23rd October 2021 at PREC, Loni.

- Mrs. Kanchan Patil worked as a **reviewer** for Scopus Indexed Bulletin of Electrical Engineering and Informatics (BEEI).

- Mr. Prasad Mutkule has worked as a **reviewer** at the International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021).

ITERA EVENTS

- A event named **Hidden Brain** was organized under ITERA on 9th October 2021 for the students of SY IT, TY IT and BE IT. For the event, a total of 41 student participated. The winners were Mr. Shelke Sanket from SY IT, Mr. Navale Sandip from TY IT and Mr. Shaikh Altaf from BE IT.

- Second event was **Verbal Ability** organized on 13th October 2021 for the students of SY IT, TY IT and BE IT. For the event, total 45 students participated. The winners were Mr. More Kishor from SY IT, Ms. Labhade Gaytri from TY IT and Ms. Tribhuvan Shradha from BE IT.

- The next event was **Figure Me Out** organized on 1st December 2021 for the students of SY IT, TY IT and BE IT. 57 students participated and the winners were Ms. Rahane Priyanka from SY IT, Ms. Labhade Gayatri from TY IT and Ms. Tribhuvan Shradha from BE IT.

- **Reading Compression** event was organized under ITERA on 9th December 2021 for the students of SY IT, TY IT and BE IT. 33 student participated in the event. The winners were Mr. Patil Varun from SY IT, Ms. Amale Sanjana from TY IT and Ms. Kale Ashwini from BE IT.

Mr. R. R. Nikam
In-Charge, ITERA

CSI EVENTS

In the first semester of academic year 2021-22 CSI has organized and conducted different events as follows.

- The First event conducted was **"DSA Dechnophile".** Objective of the event was to improve Programming and Technical skills of students. Total 81 students from TY IT and Computer participated in the event. It was conducted on 1st October 2021. Miss. Vaishnavi Mahajan (TY Computer) was the winner and Miss. Nisha Arun Sanap (TY Computer) was the runner up.

- The Second event conducted was **"DB Mania".** Objective of the event was to improve Technical skills of students. Total 51 students from TY IT and Computer participated in the event. It was conducted on 18th November 2021. Miss. Nikita Kharat (TY IT) and Miss. Nisha Sanap (TY Computer) was the winner and Mr. Shivam Sharma (TY IT) and Mr. Saurabh Patil (TY IT) was the runner up.

- The Third event conducted was 4 day workshop on **"HTML".** Objective of the event was to improve Technical and Programming skills of students. Total 35 students from SY IT and Computer participated in the event. It was conducted from 6th December 2021 to 9th December 2021. Mr. Zaheer Pathan (TY IT) was the resource person for the workshop.

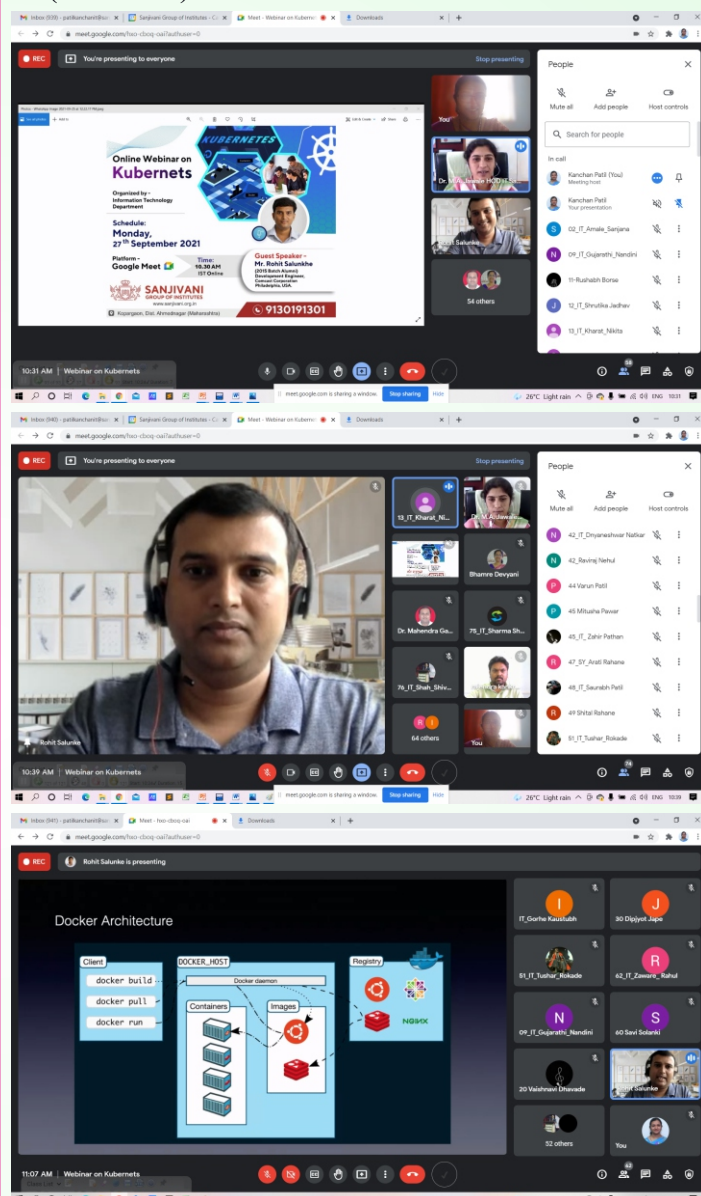**Dr. M. A. Jawale**
CSI Student Branch Counselor

ALUMNI INTERACTION

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.

Webinar on "KUBERNETS"

- Mr. Rohit Salunke, Alumni 2015 Batch who is currently working as Development Engineer, Comcast Corporation, Philadelpia, USA interacted with students on the topic **"Kubernetes"** on Monday, 27th September 2021 in online mode. At the time of webinar, Dr. M. A. Jawale, Professor & Head, Department of Information Technology, Dr. M. B. Gawali, Dept. Alumni Coordinator, other faculty members of department and more than 100 students were present. Mr. Saluke appreciated the growth of department. He started his discussion by giving overview of Compute Service such as Bare Metal Infrastructure, Virtualized Infrastructure and Containerised Infrastructure. Then he introduced Virtualization, Containerization and continued to
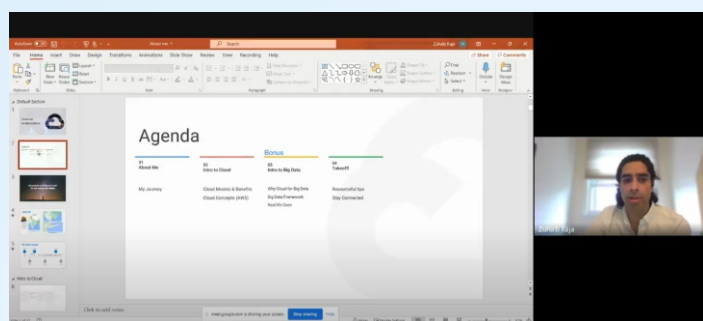
differentiate them. Mr. Salunke has then explained Docker, Docker Architecture, and Use of Docker etc. At the last he explained, Kubernetes, its history, use, Architecture, Components, Kubernetes as cluster, pod and Node Components etc. Session has ended with vote of thanks. Mrs. Kanchan Patil and Ms. Nikita Kharat (TYBTech.) coordinated the event.
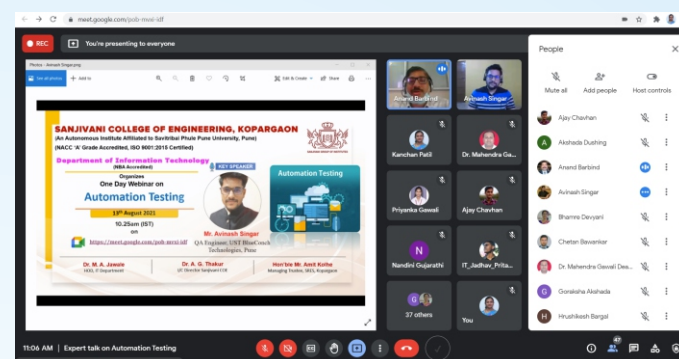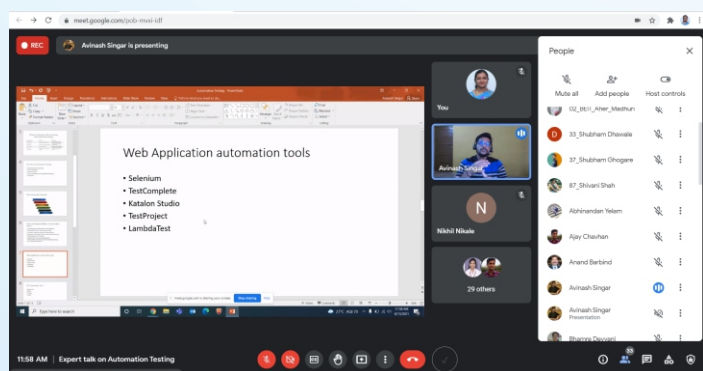

Webinar on "Cloud Led Modernization"

- The next alumni interaction organized was on Saturday, 18th September 2021 in online mode. The topic was **"Cloud led Modernization".** Mr. Zuhaib Raja, Partner at IBM, North America, located in New York City interacted with the students. He introduced cloud along with the features of cloud, types of cloud service models, AZ data centre etc. Dr. Mahendra Gawali, Mr. Rajendra Kankrale Ms. Shivani Shah (TYBTech.) coordinated the event.

"If people resist Root Cause Analysis, ask what they will do to prevent it in the future."- Denis Matte

Webinar on "Automation Testing"

- The next alumni interaction organized was on the topic **"Automation Testing"** for all the students of T.Y.B.Tech and BE. The interaction was held on 13th August 2021 in online mode. At the time of Expert talk, Dr. M. B. Gawali, Dept. Alumni Coordinator, Prof. A. A. Barbind, other faculty members of department and a total of 60 students were present. Our proud alumni of 2017 batch Mr. Avinash Singar, QA Engineer, UST BlueConch Technologies, Pune started introducing Automation testing and difference between manual and automation testing. Mr. Singar then explained Automation Testing Life Cycle, Web Application Automation Tools, Automation Framework, Defect tracking life cycle etc. as well given the demonstration on Seleniun Testing tool. Mrs. Kanchan Patil coordinated the event.

STUDENT CORNER

Gamification approach for classroom engagement and learning using machine learning

The aim of this proposed system is to negate the issue of disengagement by designing and implementing a gamified framework for students that will include student engagement, attraction and motivation.
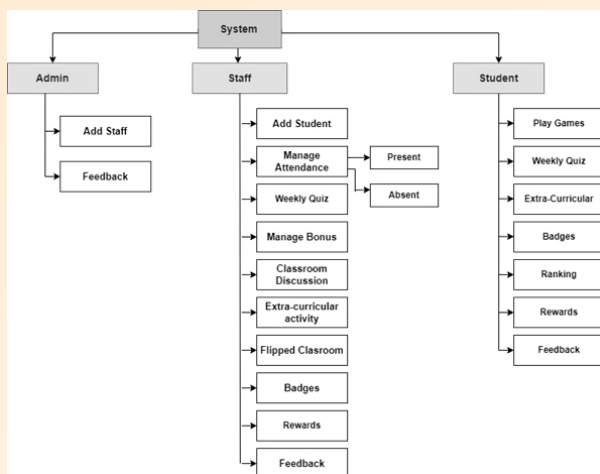
Objectives :

- To increase student engagement and diverse learning methods.
- It helps to provide the opportunity for students to explore several learning methods through various activities. The mechanics and dynamics, such as challenges, competition, rewards, progression, implementation, and day-to-day analysis, play an important role in achieving considerable results.
- To keep users engaged and to help users to achieve their goals while having fun.
- To generate levels of involvement equal to what games can usually produce.

Scope :

- Replicability of the gamified framework at various levels of education, including different streams, higher education, and secondary education is an area of research.
- The usage of more intrinsic game elements with combinational usage of components, mechanics, and dynamics to target specific motivations of players is still challenging.
- Gamification tools are designed with a viewpoint of driving a wide range of practices, behaviors which will bring the set outcome which will be beneficial for industries, organization and its employees.
- By applying the principles of gamification, industries and organizations can increase commitment with their training programs.

System Architecture :

Above figure represents the system architecture which is categories into 3 modules they are Admin, staff / Faculty and Student.

- **Admin :** Admin creates an account for the school coordinator and the school coordinator assign students to a particular faculty. And he/she is able to get the feedback of Staff and Students about their academic progress.
- **Staff :** All the tasks performed by the faculty like registering students, assigning online ATT coins based on attendance, assigning classroom discussion coins, preparing online quiz, assigning badges, visualization of results is done through the designed platform. Faculty is also able to get the Feedback of their teaching and students queries related to their academic, And able to add and delete rewards into the proposed system.
- **Student :** Student portal is designed for the active involvement and engagement in classroom. In this system Student is able to Attempt Weekly Quiz, Game-based Learning which consists of two games i.e to increase their typing speed and Memory puzzle game which is memory based game helps to increase memory and Extra-curricular activities to boost up there confidence and Stage Daring and Redeem their coins to participate in events/conferences as a rewards, Feedback option is available in system for students doubts so that they feel free to discuss their problems and queries with staff member.

*- **Mr. Parvej Shaikh, Ms. Himani Trivedi, Ms.Tejal Tupe, Mr.Raman Suryawanshi Guided by : Mrs. Devyani Jadhav***

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

Dr. A. G. Thakur	Director
Dr. M. A. Jawale	HOD
Mrs. K. D. Patil	Editor
Dr. N. S. Patankar	Member

Regd. AD/Book-Post

To, _____

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"Simplicity is the ultimate sophistication." - Leonardo DaVinci