



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
NBA Accredited

Departmental News Letter

Volume IX, Issue II

July 2021

For internal circulation only.

VISION

To develop world class IT professionals through quality education.



Mission of Department

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

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

FROM HOD'S DESK



Dear Students,

Happy New Year to All. Let us welcome this New Year with a ray of hope that we will be able to live safely again. Our perseverance to live, compassion for other human beings and belief to create a better tomorrow will make us successful. I am happy to share that, we organized three workshops for faculty members on much needed topics viz., "Cyber Security and Blockchain Technology", "Role of ICT in Teaching Learning Process" and "Cyber Security" which were sponsored by AICTE, ISTE and ATAL. We received a huge response for the same from all over the country.

We took an initiative this semester for nurturing our students of third year with the presence of Industry persons Mr. Rajan and Mr. Milind. Our TE students created a product which helped them to gain insight into working culture of the industry, their timelines, the communication ways etc. I am glad to share that our students are completing SAP certifications for global recognition. We are taking lead in developing software products for our institute. In online mode also we were able to connect with students through different activities conducted by ITERA and CSI.

I will adopt this new approach hence forth...

Suggesting a good read for all of you- 'Power of your subconscious mind' a book by Joseph Murphy.

Happy Reading...!!

- Dr. M. A. Jawale

Professor and Head
Department of Information Technology

FROM EDITOR'S DESK



Dear Itians,

It is my pleasure to launch this second edition for academic year 2020-21. I congratulate all the students, faculty members who achieved great heights through their leanings, experiments and experiences throughout the semester. I appreciate the efforts of all who have contributed in preparing this Newsletter.

We always want you all to contribute in new edition of newsletters to make it more and more attractive. We welcome any ideas that will help us improve our newsletter. Please email your ideas to the editor directly.

It's my pleasure to congratulate all the students who got an opportunity to work with companies like Lumen, Infosys, Wipro, Capgemini, Accenture and many more. Heartiest congratulations to all the students who have successfully completed SAP global certifications.

Lastly, I would like to thank Head of Department, all faculty members and students for their everlasting support throughout the creation of this edition. Thank you. Stay Safe.

Ms. K. D. Patil,

Editor, Department of Information Technology

NEWS AT A GLANCE

- An Induction Program was conducted specially for F.Y.B.Tech students from 1st February to 7th February 2021. Under the Department activity, a webinar on the topic "**Basic Aspirations & Concerns**" by Dr. Raghvendra Dubey, Principal, Matoshri Institute of Pharmacy, Nashik was organized on 7th February 2021. On the same day Mr. Arjun Rajan, Co-founder, PEP Inc. interacted with students and explore them how to be industry ready. Ms. Kanchan Patil and Mrs. Nidhi Sachade coordinated the webinars.

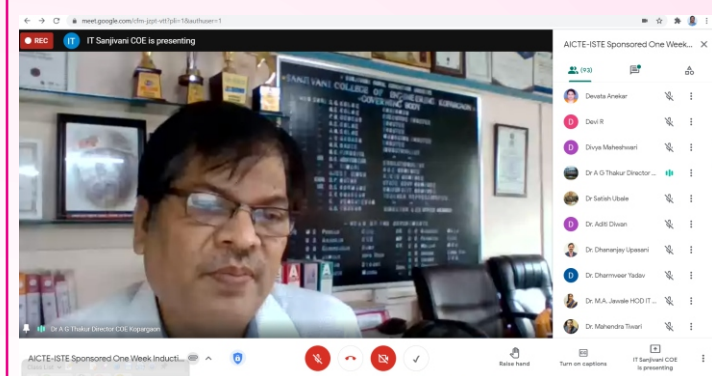
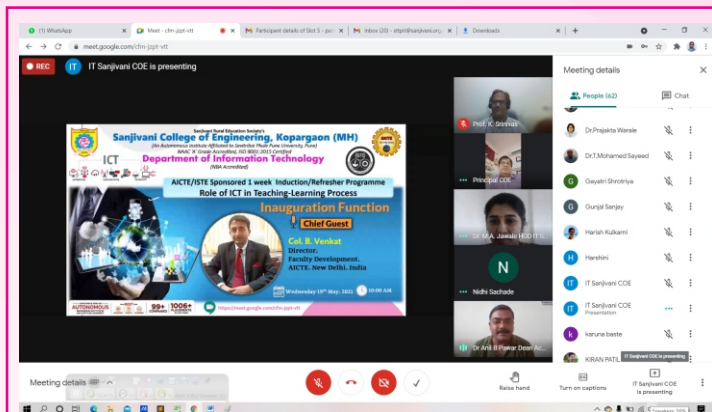
- With the constant support of management who allow us to organize various technical events and workshops, 5-Days AICTE sponsored online Faculty Development Programme on one of the emerging area of Information Technology “Cyber Security” was conducted from 8th to 12th February 2021 by Department of Information Technology, Sanjivani College of Engineering, Kopergaon. The FDP was conducted under AICTE's ATAL scheme. About 185 Faculty/Research scholars/PG Scholars from different parts of the country were the participants for the FDP..

ONLINE ATAL FDP ON CYBER SECURITY

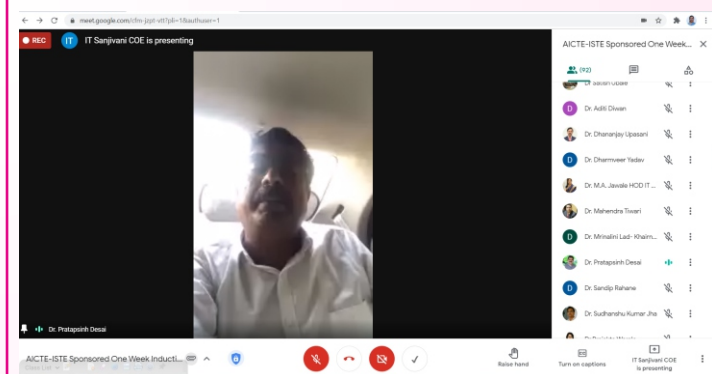
Cyber Security for Common Man

Presented by Dr. Vinit Kotak

- Department of Information Technology has successfully organized a AICTE-ISTE Sponsored Online One Week Induction/Refresher Program on “**Role of ICT in Teaching Learning Process**” for faculties from AICTE approved engineering Colleges/ Universities, Industry persons and research scholars. Department is thankful to AICTE and ISTE for providing this opportunity, Management and Director for their continuous support. The Program was conducted in 3 different slots. The second slot was conducted during 5th to 11th May 2021 and third slot from 19th to 25th May 2021. 93 participants from different states were trained during each slot. Eminent Personalities were invited from higher learning centers such as IITs and NITs. At the time of Inaugural Function, Col. B. Venkat, Director, Faculty Development AICTE, New Delhi, India, Dr. Sameer Sahasrabudhe, Director, Educational Multimedia Research Centre (EMMRC), Pune. Prof. K. Srinivas, Head ICT & Project Management Unit, NIEPA, New Delhi, Dr. A. G. Thakur, Director, Sanjivani COE, Dr. A. B. Pawar, Dean Academics, Sanjivani COE Kopergaon, Dr. M. A. Jawale, Head, Department of Information Technology were present. Col. B. Venkat, explained how the teaching and Learning can be effective with the help of ICT Tools.

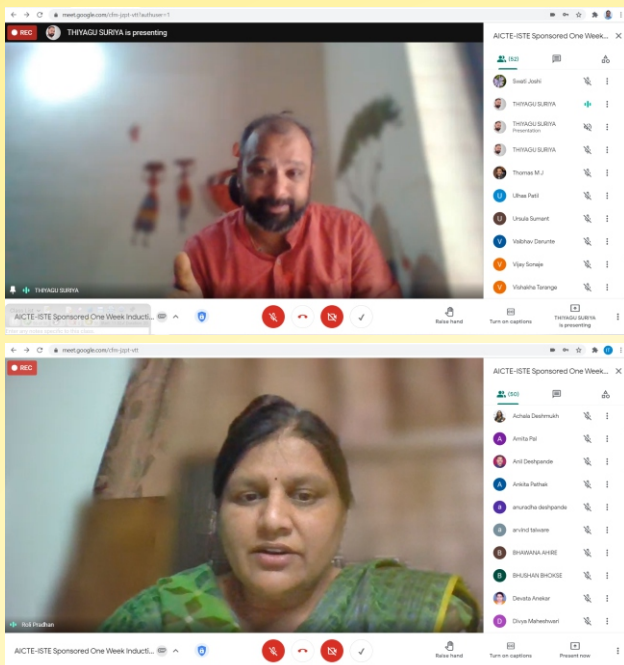


The valedictory function of slot-II was held at the end of the Day 6. The function was graced by the presence of Prof. Vijay Vaidya, Secretary, ISTE.



The Valedictory function of Slot-III was graced by the presence of Dr. Pratapsinh K. Desai, President ISTE. Also Dr. A. G. Thakur, Director, Sanjivani COE and Dr. M. A. Jawale, HoD IT remained present throughout the function.





Some glimpses of the Refresher Program

- With the constant support of management who allow us to organize various technical events and workshops, 5-Days AICTE sponsored online Faculty Development Programme on one of the emerging area of Information Technology “Cyber Security” was conducted from 8th to 12th February 2021 by Department of Information Technology, Sanjivani College of Engineering, Kopergaon. The FDP was conducted under AICTE's ATAL scheme. About 185 Faculty/Research scholars/PG Scholars from different parts of the country

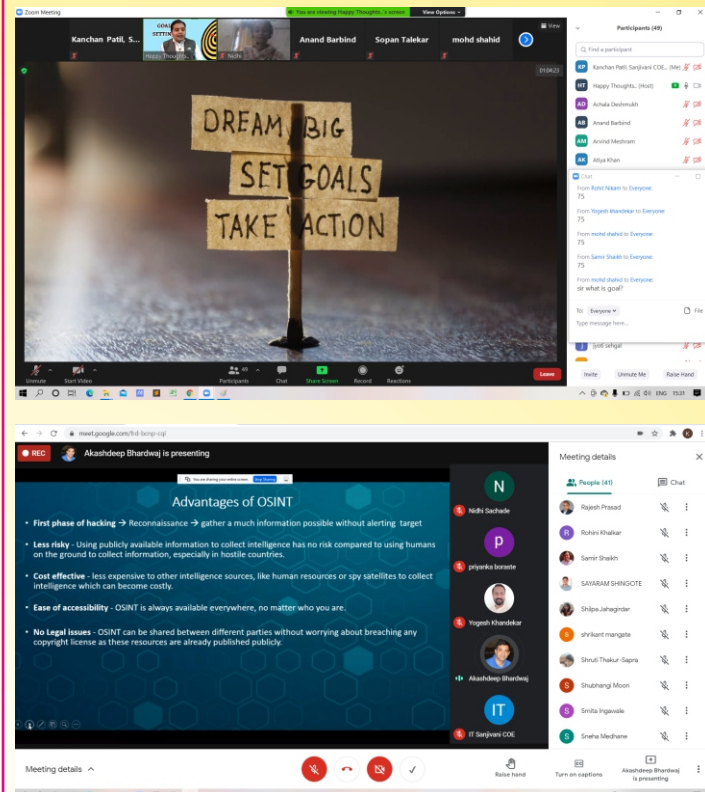


were the participants for the FDP..

- Department got an opportunity to organized one more



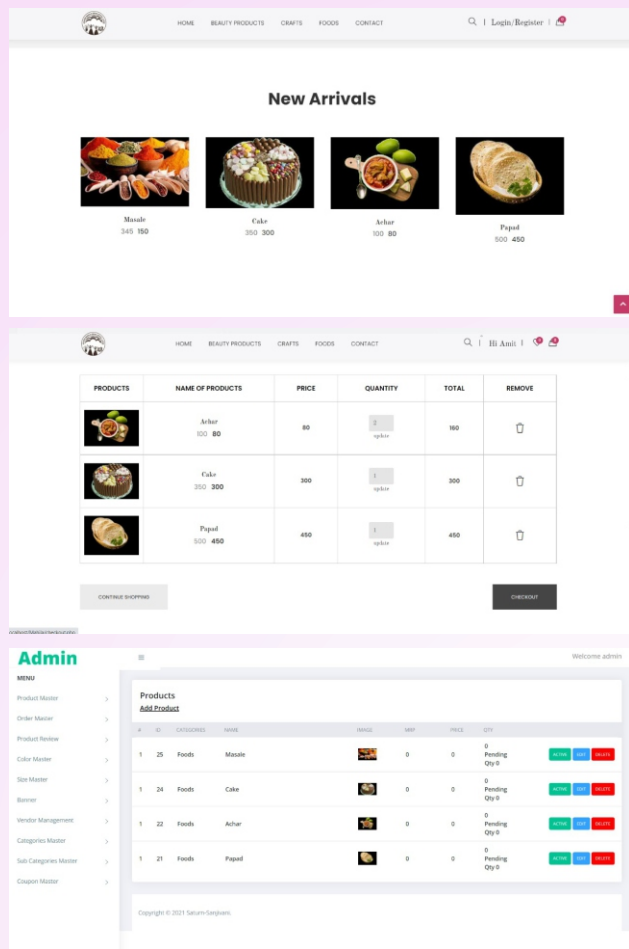
series of program sponsored by AICTE on “Cyber Security and Blockchain Technology” for faculties



Some glimpses of the Short Term Training Program

from AICTE approved engineering Colleges/ Universities, Industry persons and research scholars. The Program was conducted in 5 different slots in online mode. The first slot was conducted from 26th to 31st October 2020, second slot was conducted from 23rd to 28th November 2020, and third slot was conducted from 7th to 12th December 2020. Altogether 500+ participants from different states have registered for the program.

- Department of Information Technology has successfully organized a AICTE-ISTE Sponsored Online One Week Induction/Refresher Program on “**Role of ICT in Teaching Learning Process**” for faculties from AICTE approved engineering Colleges/ Universities, Industry persons and research scholars. Department is thankful to AICTE and ISTE for providing this opportunity, Management and Director for their continuous support. The Program was conducted in 3 different slots. The second slot was conducted during 5th to 11th May 2021 and third slot from 19th to 25th May 2021. 93 participants from different states were trained during each slot. Eminent Personalities were invited from higher learning centers such as IITs and NITs. At the time of Inaugural Function, Col. B. Venkat, Director, Faculty Development AICTE, New Delhi, India, Dr. Sameer Sahasrabudhe, Director, Educational Multimedia Research Centre (EMMRC), Pune. Prof. K.



Screenshots of One of the Implemented Product
"Mahila Gruh Udyog"

Srinivas, Head ICT & Project Management Unit, NIEPA, New Delhi, Dr. A. G. Thakur, Director, Sanjivani COE, Dr. A. B. Pawar, Dean Academics, Sanjivani COE Kopergaon, Dr. M. A. Jawale, Head, Department of Information Technology were present. Col. B. Venkat, explained how the teaching and Learning can be effective with the help of ICT Tools.

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- Department has organized one more series of Short Term Training Program sponsored by AICTE on **"Cyber Security and Blockchain Technology"** for faculties from AICTE approved engineering Colleges/ Universities, Industry persons and research scholars. The Program was conducted in 5 different slots in online mode. The forth slot was conducted from 11th to 16th January 2021 and the last one was conducted from 22nd



ACADEMIC ACHIEVERS

Savitribai Phule Pune University Exam December 2020 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. Bhaskar Nikhil Rajendra	: 9.91 SGPA (2nd)
Ms. Jadhav Swati Ganpat	: 9.91 SGPA (2nd)
Mr. Rashinkar Suraj Ramesh	: 9.91 SGPA (2nd)
Mr. Dixit Soham Sanjay	: 9.86 SGPA (3rd)
Ms. Dehadray Mrudula Sunil	: 9.86 SGPA (3rd)

TEIT

Mr. Cholke Pratik Tushar	: 10 SGPA (1st)
Ms. Joshi Vaishnavi Navneet	: 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	: 9.96 SGPA (2nd)
Ms. Sangale Poonam Dilip	: 9.96 SGPA (2nd)
Ms. Chaudhari Dnyaneshwari M.	: 9.91 SGPA (3rd)
Ms. Hon Prajakta Dadasaheb	: 9.91 SGPA (3rd)

SEIT

Ms. Shah Shivani Prafful	: 9.92 SGPA (1st)
Ms. Gunjal Shubhangi Sampat	: 9.42 SGPA (2nd)
Mr. Sharma Shivam Dilip	: 9.40 SGPA (3rd)
Ms. Shirole Shital Rajendra	: 9.40 SGPA (3rd)

Placement NEWS

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



Ms. Snehal Chobhe
Intern, Gahan ai Pvt Ltd, Bangalore.
IT Trainee, FIS Solutions, Pune.



Mr. Suyog Jadhav
Analyst, Capgemini, Pune
Software Developer,
iBirds Software, Bangalore.
Intern, TechMahindra, Pune.

Ms. Tejal Nikalje
Associate Software Engineer,
Nimap, Pune.



Ms. Purva Khandekar
Jr. Software Engineer,
Netwin, Pune.
Infosys, Pune.

Mr. Shubham Dharak
Associate Software Engineer,
Nimap, Pune.



Ms. Pooja Badhe
Gahan ai Pvt Ltd,
Bangalore.

Ms. Gayatri Kulkarni
Persistent System Ltd, Pune.



Ms. Apeksha Giri
Persistent System
Ltd Pune, Pune

Mr. Avinash Kharat
Associate Software Developer
Accenture, Pune



Ms. Vaishnavi Chaudhari
FACE, Mumbai

Ms. Shweta Wadekar
FACE, Mumbai.
Wipro Limited, Pune.
Krypt, Bangalore.



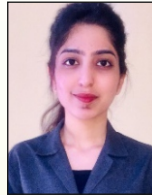
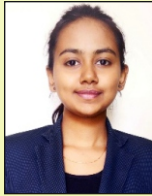
Mr. Ashish Bidave
JIO Digital Life,
Mumbai

Mr. Suraj Rashinkar
Lumen, Pune. Infosys, Pune.
Krypt, Bangalore.
Cognizant Solutions
India Private Limited, Pune.



Ms. Tanmayeeta Belote
FIS Global, Pune

Mr. Sajid Sayyad
Slivelink Technologies, Nashik



Ms. Sayali Kukkar
McKinely and Rice,
Pune



Ms. Kalyani Deshmukh
Indian Cyber Security
Solutions, Pune



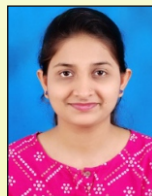
Mr. Rushikesh Gavhane
Trainee, Atos Global
IT Solutions, Pune

Ms. Dipali Adhav
Slivelink
Technologies, Nashik



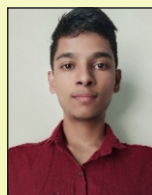
Ms. Pranali Babhulgaonkar
Slivelink Technologies,
Nashik

Ms. Bhosale Nurtan Gokul
Wipro Limited, Pune.
Krypt, Pune



Mr. Sokanke Sanket Udhavrao
Wipro Limited, Pune.
Infosys, Pune.

Mr. Chavan Santosh
Dasharath
Wipro Limited, Pune.
Krypt, Bangalore.



Ms. Funde Pratiksha Balasaheb
Wipro Limited, Pune.

Mr. Bhaskar Nikhil
Rajendra
Wipro Limited, Pune.
Krypt, Bangalore.



Mr. Prashant Dhokale
Krypt, Bangalore.
Cognizant Solutions India
Private Limited, Pune.

Ms. Jadhav Swati Ganpat
Wipro Limited, Pune.

Mr. Bhamare Akshay
Lumen, Pune.



RECENT DEVELOPMENT

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

- Ms. K. D. Patil along with the department students Mr. Shubham Kulthe, Mr. Vaibhav Jagdhane, Mr. Roshan Jadhav have completed and deployed the Project entitled "Examination Remuneration System" for concerned staff of examination work, Student section,

Sanjivani College of Engineering. The system adds the teacher details just by uploading the MS-Excel file. It provides easiest way to allocate the supervision to and the remuneration can be easily calculated for all the teachers. Different reports are easily generated.

- Mr. C. D. Bawankar and Mr. S. S. Kausalye have developed and deployed “Library Management System with Barcode” for Sanjivani Academy and Sanjivani COE IT department. This system, built-in PHP/MySQL, is a basic but effective system for borrowing and issuing books through barcodes. This system enables members, books, and other things to be added, as well as the production of various reports. It is a user-friendly system.

STUDENT PARTICIPATION

- Happy to share that our final year students Mr. Pratik Chaudhari, Mr. Avinash Kharat, Mr. Rushikesh Gavhane and Mr. Shrikant Bidgar has won 1st Prize in 5th Regional Level Project Competition organized by Computer Society of India (CSI), Nashik Chapter in association with Digital Impact Square (DISQ), Nashik. The title of the project was “Guidance System for Visually Impaired People” as well as they have presented a paper in IEEE International Conference ICAIS 2021 organized by JCT College of Engineering, Coimbatore, Tamilnadu, India on 26th March 2021. Ms. K. D. Patil guided the students.



- Students of TE Mr. Pratik Cholke, Mr. Altaf Shaikh, Mr. Parvej Shaikh, Mr. Roshan Jadhav were selected for third round of National level Chhatra Vishwakarma Awards 2020 organized by AICTE. The title of the project was “Aatmanirbhar Bharat Swasthpuir Bharat”. Mr. A. A. Barbind guided the students.

- Mr. Zahir Pathan (S.Y.B.Tech) and Mr. Asad Shaikh (S.Y.B.Tech) got an opportunity to work with **Whitehat Education Technology Private Limited** (WhiteHate Jr.) as an Intern.



- Kudos to our student, Mr. Soham Dixit for being selected as a Student Developer & developing Open Source Software for LLVM compiler infrastructure in **Google Summer of Code 2021** which is



programme administrated by Google.

- Ms. Shubhangi Sampat Gunjal (S.Y.B.Tech) has successfully completed Japanese NAT TEST organized by Senmon Kyoiiku Publishing Co. Ltd. NAT-TEST Administration Committee (Tokyo).
- Ms. Sayali Kukkar, Ms. Chaudhari Vaishnavi, Mr. Suraj Ramesh Rashinkar, Mr. Solanke Sanket Udhavrao has presented a paper entitled “**Prevent Data Counterfeiting among Internet of Things (IoT) devices using Ethereum Blockchain**” in 10th IEEE International conference CSNT-2021 held at Oriental Institute of Science & Technology, Bhopal sponsored by AICTE. Mr. C. D. Bawankar guided the students.
- Mr. Aniket Rajendra Sonawane, Mr. Sajid Munir Sayyad, Ms. Shweta Asaram Wadekar, Ms. Upare Trupti Bharat published a paper entitled “**Smart Green House using IOT**” in IJRASET in the month of May 2021. Mr. S. S. Kausalye guided the students.
- Mr. Ashutosh Darpel, Mr. Akshay Bhamare, Mr. Soham Sanjay Dixit and Mr. Ritik Raina has presented a paper entitled “**Customer segmentation using machine learning**” in International Conference on Recent Trends in Computing (ICRTC 2021) in the month of May 2021 and published in Springer IOS Press. Mr. N. S. Patankar guided the students.
- Mr. Pradeep Wani, Mr. Mahesh Rahane, Mr. Shreyas Gursal, Mr. Nitin Ghaywat published a paper entitled “**A Modern Approach to Predict the Heart Disease using Machine Learning Algorithms and Techniques**” in Journal of Data Mining and Management in the month of April 2021. Mr. R. D. Chintamani guided the students.
- Ms. Aishwarya Kurhe, Mr. Yash Vasant Nanaware, Ms. Shubham Shirode, Ms. Gade Shubhangi “**iHuman CAPTCHA: An Alternative CAPTCHA for Visually Impaired Based on Face Liveness Detection System**” presented a paper IRJET Volume: 08 Issue: 05 in the month of May 2021. Dr. M. B. Gawali guided the students.
- Mr. Shailesh Jadhav, Mr. Mahesh Jagannath Gadakh, Mr. Ashish Bidve, Mr. Hitesh Bhandge published a paper entitled “**Gym ERP System using Machine Learning**” in International Journal for Research in Applied Science & Engineering Technology (IJRASET). Mr. R. R. Nikam guided the students.
- Ms. Charmal Manoli Balasaheb, Mr. Nikhil Rajendra Bhaskar, Mr. Kamble Aniket Suhas, Mr. Janrao Swati Sundar presented a paper “**A Wi-fi based smart irrigation monitoring for an agricultural environment**” in International conference on recent trends in computing (ICRTC 2021). Mr. N. S. Patankar

guided the students.

- Mr. Santosh Chavan, Ms. Dipali Sunil Adhav, Mr. Sonawane Roshan Vilas, Ms. Renuka Bhokare published a paper entitled **“Location based fake news detection using ML”** in International Journal for Research in Applied Science and Engineering Technology. Mr. R. R. Nikam guided the students.
- Mr. Niraj Durge, Mr. Ganesh Lahu Lengre, Mr. Jadhav Mahendra Rambhau published a paper entitled **“Phishing Website detection using Machine Learning”** in IJRASET. Mr. R. N. Kankrale guided the students.
- Students of TE have completed the NPTEL course **“Programming, Data Structures & Algorithms Using Python”** and BE students have completed the course **“Software Testing”**.

FACULTY PARTICIPATION

- Dr. M. A. Jawale got Best Research Paper Award for year 2020-21 at ICRTC-2021 for the paper entitled **“A Novel Feature Selection Approach for reducing High Dimensionality”** organized by Department of Computer Engineering, Sanjivani College of Engineering, Kopargaon.
- Dr. M. B. Gawali worked as a Reviewer for Journal of Computer Science to review different papers.
- Mr. R. D. Chintamani worked as a Reviewer for event **“e-National Conference on Advances in Modern Technologies of Interdisciplinary Research in Engineering Field (AIMTMREF)”** organized by SKN Singhad Institute of Technology, Lonawala, Pune.
- Mr. Y. S. Deshmukh, Mr. C. D. Bawankar and Mr. S. S. Kausalye worked as a Resource person for Induction/Refresher program on **“Role of ICT in Teaching Learning”** organized by Sanjivani College of Engineering, Kopargaon.
- Mr. Y. S. Deshmukh and Mr. S. S. Kausalye worked as a Resource Person for one week STTP on **“Pedagogy for Effective use of ICT in Pharmacy”** organized by Sanjivani Pharmaceutical Education and Research, Kopargaon.
- Dr. M. A. Jawale, Mr. C. D. Bawankar and Mr. N. S. Patankar have delivered a expert talk on **“Cyber security & Applications”, “Block Chain” and “Internet of Things”** respectively for Diploma in Computer and IT students at Sanjivani K.B.P. Polytechnic, Kopargaon.
- Mr. S. S. Kausyale has conducted a workshop on **“Latex”** for All Final Year Diploma Students at

Sanjivani K.B.P. Polytechnic, Kopargaon.

- Mr. R. N. Kankrale has successfully completed the NPTEL course certification in **“Python for Data Science”**.
- Mr. Y. S. Deshmukh, Mr. R. R. Nikam and Mr. N. S. Patankar have successfully completed the NPTEL course certification in **“Software Testing”**.
- Mr. C. D. Bawankar and Mr. S. S. Kausalye have successfully completed the NPTEL course in **“NBA Accreditation and Teaching-Learning in Engineering (NATE)”**.
- Ms. D. P. Bhamare presented paper entitled **“Swine Flu Detection System using IOT: A Survey”** at International conference on smart data intelligence (ICSMDI 2021) organized by Kongunadu College of Engineering, Trichy, Tamilnadu, India.
- Mr. R. D. Chintamani presented paper entitled **“Motor Imagery Classification based on Hybrid Feature Extraction and Deep Neural Network”** at IEEE Conference organized by JCT College of Engineering, Coimbatore, Tamilnadu, India.
- Mr. C. D. Bawankar published a research paper entitled **“An Ethereum-based Advanced Supply Chain Management Architecture to Prevent Data Counterfeiting”** in Journal of Solid State Technology, Vol-6, Issue-3, ISSN 0038-111X.
- Mr. Y. S. Deshmukh presented paper entitled **“Breast cancer detection-based feature optimization using firefly algorithm and ensemble classifier”** at IEEE Conference organized by JCT College of Engineering, Coimbatore, Tamilnadu, India.
- Ms. K. D. Patil presented paper entitled **“Guidance System for Visually Impaired People”**, at IEEE Conference organized by JCT College of Engineering, Coimbatore, Tamilnadu, India.
- Mr. N. S. Patankar published research paper entitled **“Analysis of Key Generation Methods for Enable Secured Communication in the IoTs System”** published in Journal of IT in Industry, Volume 9 issue 02, ISSN (Print): 2204-0595 ISSN (Online): 2203-1731.
- Mr. S. S. Kausyale published research paper entitled **“Smart Greenhouse using IOT”** in Journal of IJRASET, Volume-9, and ISSN: 2321-9653 as well presented a paper entitled **“Data Confidentiality in Cloud Storage: A Survey”** in IOS Press - International Conference on Recent Trends In Computing (ICRTC 2021) organized by Sanjivani College of Engineering, Kopargaon.

ITERA EVENTS

- Activities of second semester started with **Antakshri** for the students of S.Y. B. Tech, TE and BE on 5th February 2021. For the event 30 students were present.
- An expert lecture of Mr. Yogesh Shirsath, Alumni 2017 batch and currently working as Senior Software Engineer in Wisdom Lab, Pune was organized on 18th February 2021 on the topic **Carrier Guidance in IT Industry** for the students of S.Y.B.Tech. 51 students were present for the lecture.



- An expert lecture of Mr. Akash Ghodhale, Alumni 2018 batch and currently working as Software Developer in Weinvest Pvt. Ltd., Pune was organized on 19th March 2021 on the topic **Python Django Technology**. For the expert lecture 36 students of S.Y.B.Tech were present.

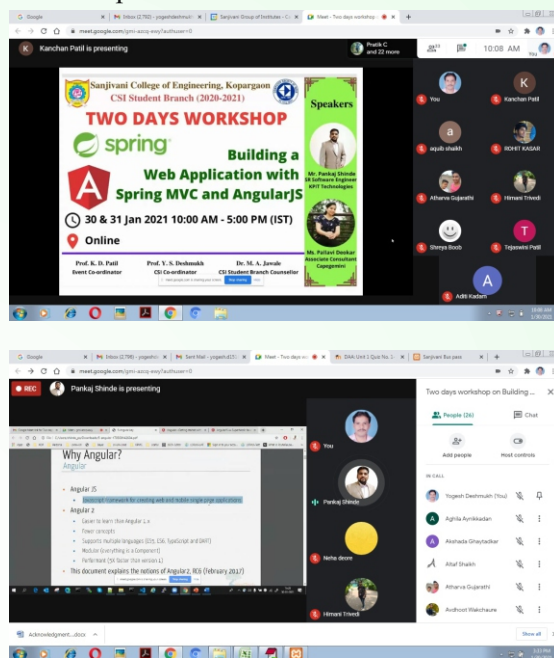


- An **Online C Quiz** for S.Y.B. Tech & **PHP Competition** for T.E. and B.E. were organized on 7th May 2021. A total of 69 students participated. From S.Y.B.Tech, Ms. Kale Shital Kailas was winner and Mr. Hon Chandrakant Dharmaraj was runner-up, From T.E., Ms. Arti Pagar was winner and Mr. Raman Suryawanshi was runner up and From B.E., Ms. Tejal Nikalje was winner and Ms. Aishwarya Kurhe was runner up.
- Under the banner of **ITERA Best from Waste: One Step to save our Environment** event was organized which was open to all activity from 17th May 2021 to 25th May 2021. For the activity 28 students participated.

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

CSI EVENTS

- The First event conducted was 2 days online workshop on **“Building a Web Application with Spring MVC and Angular JS”**. Objective of the event was to improve Programming and Technical skills of students. Total 44 students from TE IT and Computer participated in the event. It was conducted on 30th and 31st January 2021. Mr. Pankaj B. Shinde, Senior Software Engineer, KPIT Technologies, Pune and Ms. Pallavi Deokar, Associate Consultant at Capgemini, India were resource person for the workshop.



- The Second event conducted was **“Knowledge Hunt”**. Objective of the event was to improve Technical skills of students. Total 55 students from S.Y.B.Tech, TE IT and Computer participated in the event. It was conducted on 9th April 2021. Mr. Vaibhav Jagdhane (TEIT) and Miss. Vanse Akanksha Bapusaheb (S.Y. Computer) were the winners. Miss. Vaishnavi Jalindar Turkane (TE IT), Miss. Rutuja Auti (TE COMP) and Mr. Sarthak Satish Petkar (S.Y.I.T.) were the runner up.
- The Third event conducted was **“CodeChef”**. Objective of the event was to improve Technical and Programming skills of students. Total 65 students from S.Y.B.Tech IT and Computer participated in the event. It was conducted on 6th May 2021. Mr. Gandal Gaurav Dadasaheb (S.Y.Computer) was the winner and Miss. Mahajan Vaishnavi Vivek (S.Y. Computer) was the runner up.
- The Fourth event conducted was Online Expert Lecture on **“Career Opportunities in IT Industry”**. Objective of the event was to improve Technical skills of students and to aware the various opportunities in IT industry. Total 95 students from S.Y.B.Tech, TE IT and Computer participated in the event. It was conducted on 23rd May 2021. Mr. Yogesh Shirsath, Senior Software Engineer, Wisdom Labs, Pune was the resource person for the same.

- The First event conducted was “**Build Your Future**” workshop on “**Building Your Future**” to improve Technical skills of students. Total 44 students participated in the event. It was conducted on 9th April 2021. Mr. P. K. Patil, Sr. Software Engineer, KPIT Technologies, Pune was the resource person for the workshop.

ALUMNI INTERACTION

- The Second event conducted was “**Knowledge Hunt**”. Objective of the event was to improve Technical skills of students. It was conducted on 9th April 2021. Mr. Mahesh S. Lad, Business Analyst, TCS, Swindon, UK interacted with the students on the topic “Journey of Software Engineer” on 29th May 2021. 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.

- Mr. Surendra Salke, Sr. Software Engineer, Kore. ai., Andhra Pradesh interacted with the students on 10th April 2021. The topic was “Search Assist - an enterprise Search Engine: From Inception to Delivery”. More than 100 students were present for the webinar.

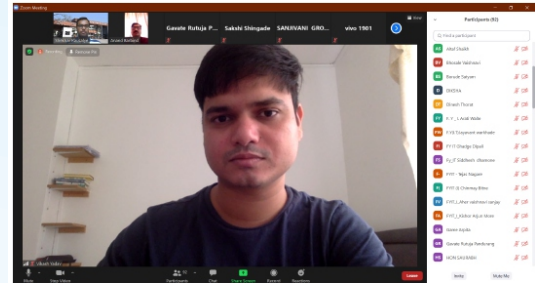
- A webinar on “Importance of Learning Technology Trends at right time” was organized on 8th May 2021. The resource person for the same was Ms. Suvarna Girhe, Former Team Lead & Senior Unix Consultant, Infosys, US.



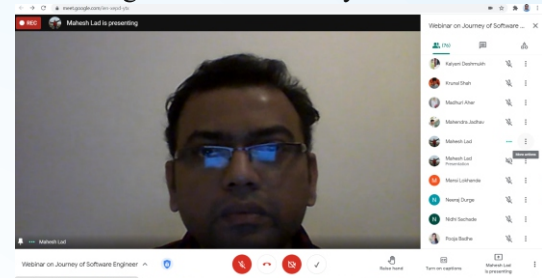
- Mr. Vijay Kolekar, Sr. Software Engineer, Capgemini, Pune guided students on the topic “Software Testing” on 15th May 2021.



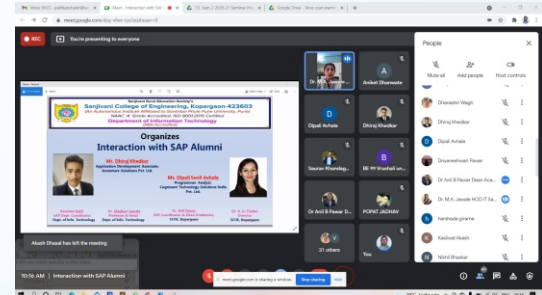
- The next interaction was of Mr. Vikas Kumar Yadav, Sr. Consultant, Virtua, UK on the topic “The Success keys to take admission in premier institute of India” which was conducted on 22nd May 2021.



- Mr. Mahesh S. Lad, Business Analyst, TCS, Swindon, UK interacted with the students on the topic “Journey of Software Engineer” on 29th May 2021.



- A webinar was organized on “SAP Opportunities” specifically for SAP registered students of Computer, IT, ECS and Electrical Engineering students. Our alumni Mr. Dhiraj Khedkar, Application Development Associate, Accenture Solutions Pvt. Ltd., Pune and Ms. Dipali Sunil Avhale, Programmer Analyst, Cognizant Technology Solutions India Pvt. Ltd., Pune interacted with the students.



STUDENT CORNER

Gym ERP System Using ML

Gym ERP system using Machine Learning project ensures to provide information of gym business that includes user, staff, diet plans and manages gym inventory. Visual representation of general statistics with numbers as well as different kind of charts. Users get updates through messages and notifications on WhatsApp and Gmail. Project includes attendance logs which are generated by cameras in the system. Detection of faces has been implemented to recognise user face and marking attendance accordingly. The system will reduce human efforts and improve the efficiency of gym management, but also to reinforce the welfare of clients of gym.

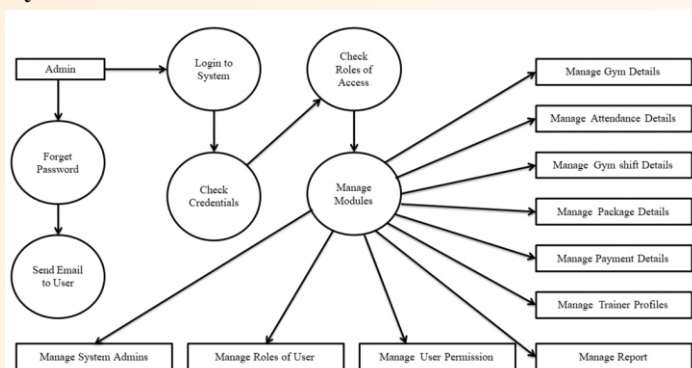
Objectives :

- To provide a system that handles the information of the people coming into the gym and maintaining their records.
- To store data in the database.
- To make monthly analysis of data and shared to users via SMS or E-mail.
- To provide the data of user in appropriate manner.

Scope :

The system automates gym resource management with attendance monitoring, and other key data regarding the gym member. This reduces the close contact between the gym members and the staff. The system data can be accessed from remote locations and is easily accessible for the members too.

System Architecture :



Algorithm & Libraries:

Following models are used while implementing the system: Ssd Mobile netv1 Model, Face landmark Model, Face Recognition Model

Libraries used are :

- Face-api.js: JavaScript API for face detection and face recognition in the browser implemented on top of the tensorflow.js core API.
- TensorFlow: It is a deep learning framework created by Google which can be used for designing, building, and training models. But it needs huge amount of GPU power and is favorable to Linux.

- Mr. Bhandge Hitesh, Mr. Bidave Ashish,
Mr. Gadakh Mahesh, Mr. Jadhav Shailesh
- Guided by: Mr. Rohit R. Nikam

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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