



Modern Education Society's College of Engineering

Dec 2019–May 2020

ISSUE 21



EDUCATION IS
OUR PASSPORT
TO THE FUTURE,
FOR TOMORROW
BELONGS TO THE
PEOPLE WHO
PREPARE FOR
IT TODAY

HALCOM X

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Reflection

A newsletter of Department of Computer Engineering

Message From The Head of Department

As I look back at a very successful first term, I cannot help but beam with pride at the hard work WE have put in to be accredited by NBA, New Delhi. In this era of cut throat competition, it is of paramount importance to be equipped with appropriate knowledge, habits, attitudes and values leading to holistic development. This newsletter reflects upon the efforts of the Department of Computer Engineering for holistic development of students. I would like to express my sincere appreciation to Dr. (Mrs.) A. P. Kale for her efforts and dedication in publishing Reflection. The team at Department of Computer Engineering, has been successfully upholding the tradition of the department which is evident from the efforts that have been made in publishing the 21st issue of our newsletter – “REFLECTION”. This issue of the newsletter reflects upon the variety of activities organised during the 2nd half of the year 2019-20 for the holistic development of our students.

The Department is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence and provide a platform for the students to achieve their career goals. The Department has a team of highly experienced and motivated faculty members who are in the process of tuning the young minds to make them globally competitive.

I congratulate and appreciate the efforts of Dr. Archana Kale in publishing this issue of “REFLECTION”.

Dr. (Mrs.) Nuzhat F. Shaikh

Message From the Editor

We are presenting you with the twenty first issue of our newsletter "Reflection". Our intention is to put out two issues per year, one at the end of May and the other at the end of November. The success of this newsletter depends on your response. I would appreciate your feedback.

Dr. (Mrs.) Archana P. Kale



My Campus MESCOE,PUNE-01

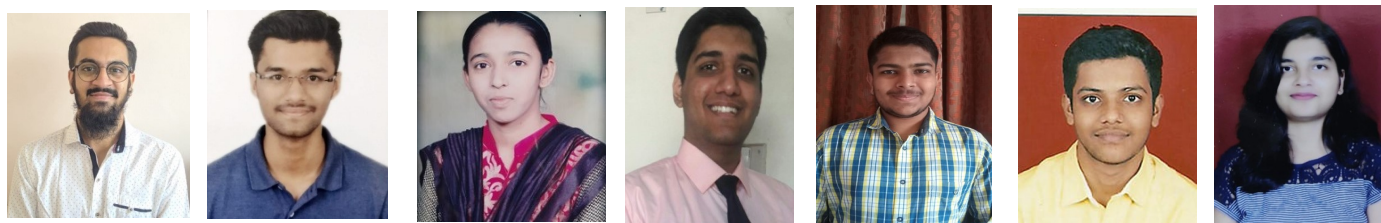
सर्वज्ञानं सर्वव्यापकं
Modern Education Society's
College of Engineering, Pune

S.E.- I (SEM II)



Ketan Gaikwad 9.2 P. Khairnar 9.2 Sura Vignesh 9.16 Anjalee Thorat 9.12 Samruddhi Bhor 9.04 Sarah Kazi 9.04 Rutuja Ganage 9 Amruta Bhanji 9

S.E.- II (SEM I)



Kachwala Shabbir 9.36 Giramkar Nikhil 9.32 Attar Zulfa 9.2 Irani Varun 9.2 Chavan Laukik 9.2 Shaikh Rehan 9.16 Kashid Shreya 9.08

S.E.- Second Shift (SEM II)



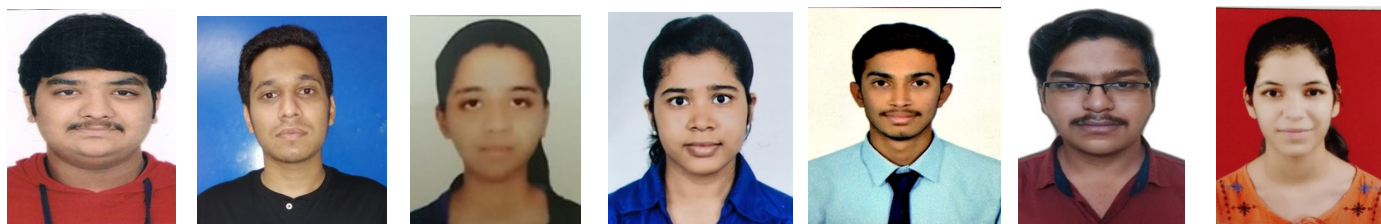
Hinduja Taniya 9.2 Gundecha Pritam 9.2 Ghatage Gaurav 8.96 Harshita Tandale 8.96 Kulkarni Prem 8.88 Pratik Temkar 8.92 Kalpesh Zarkar 8.8

T.E. - I (SEM II)



Richa Maurya 9.30 Priyanka Rathod 9.17 Vivek Gupta 9.17 Jyoti Kalokhe 9.04 Sudesh Pawar 9.04 Supriya Gayke 9.04 Charmika Tankala 9.04 Kaustubh Jawale 8.86 Amruta Palande 8.78

T.E.—II (SEM II)



Pranav Goel 9.13 Hitesh Chordiya 9 Kesharkar Damini 9 Jessica Braganza 9 Gawade Shubham 8.95 Lende Akash 8.86 Akanksha Tiwari 8.82

CLASS TOPPERS**T.E.– Second Shift (SEM II)**

Deepak Mokashi
9.48



Kranti Patni
9.43



Darshan Shah
9.3



Kunal Bhapkar
9



Deshpande Shreyas
8.65

B.E.– I (CGPA)

Saurabh Nikalje
9.36



Juhilee Nazare
9.36



Akshit Keoliya
9.32



Gugale Rachana
9.14



Giri Shivshankar
9.05



Parag Kulkarni
9.05



Kate Komal
9



Raut Satyapriya
9

B.E.– II (CGPA)

Patel Vaidehi
9.41



Parshwa Shah
9.32



Neha Lokre
9.27



Sharvin Gujarathi
9.23



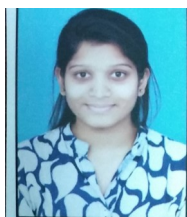
Shaikh Juveriya
9.14

B.E. - Second Shift (CGPA)

Gavhane Siddhi
9.14



Ballal Jeevya
9



Agarwal Karishma
8.82



Parab Rugveda
8.82



Bhavne Chirantan
8.77



Hivare Bhagyashri
8.68



Lohar Kunal
8.68



Gaikwad Rutuja
8.68



Gosavi Pallavi
8.68



Kapil Aminbhavi
8.68



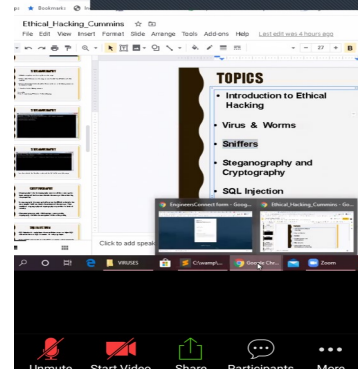
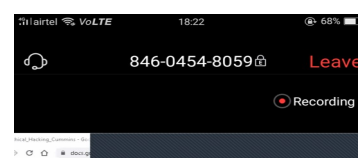
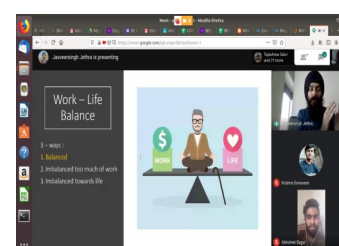
Bhajantri Ranjana
8.68



Patel Lakshita
8.68

Departmental Events

1. A Guest Lecture was arranged for all the students of B.E. Computer on the topic of “Career Guidance (Japanese)” on 8th Jan 2020. The speaker for the session was Mrs. Sanjivani Sensei, 'JALTAP', Japanese Language Association. She explained the necessity of foreign language and various technology options like computers, mobiles, social media, newspapers etc. available in recent times for searching career options. She informed the students about free and paid websites providing information about jobs particularly.
2. A Guest Lecture was arranged for all the students of B.E. Computer on the topic of “Career Guidance” on 28th Jan 2020. The speaker for the session was Mr. Basavraj Hooli (Director, Graceful Growth). He emphasized on the importance of the right mix of knowledge, attitude and additional skills for a successful career. He highlighted the growth of VLSI and Embedded industry, which has increased demand for fresh engineers.
3. A Guest Lecture (Online) was arranged for all the students of T.E. Computer on the topic of “Importance of B.E. project and Project Management” on 28th April 2020. The speaker for the session was Mr. Jasveer Singh (Founder, Sense it Out). The speaker enlightened the students about the skills set required by the Project Manager and how to manage the Project Group in extreme situations. He also shared his personal industrial experience with the audience in managing projects and stakeholders.
4. A Guest Lecture (Online) was arranged for all the students of S.E. Computer on the topic of “Ethical Hacking Workshop for Beginners” on 1st May 2020. The speaker for the session was Mr. Bhushan Gaikwad Founder and CEO of Engineers Connect Pune . He explained in detail about the Ethical Hacking, Virus and Worms, Sniffers, Steganography and Cryptography, SQL injection.
5. A Guest Lecture (Online) was arranged for all the students of B.E. Computer on the topic of “Career Guidance in ERP/SAP” on 12th May 2020. The speaker for the session was Mr. Rahul Khonde : Founder of SAPOURS Technology Pune. He explained in detail about the SAP and it's Applications, Role of ERP, Career opportunities, Prerequisites for SAP consultant.
6. A Guest Lecture (Online) was arranged for all the students of T.E. Computer on the topic of “Interview Preparation” on 19th May 2020. The speaker for the session was Mr. Sachin Murgunde, Founder of Technex Tecnology Pune. He provided information about interview process and how to face interviews successfully.
7. A Guest Lecture (Online) was arranged for all the students of T.E. Computer on the topic of “Cloud Computing” on 30th May 2020. The speaker for the session was Mr. Swapnil Mhaske, Test Automation Manager, Technova Software. He explained in detail about the introduction to Cloud Computing and its basic concepts. The speaker enlightened the basic building blocks or foundations required for skill development.



Job Levels - Functional	Approximate exp. in Yrs
Associate Consultant	1-3
Senior Associate Consultant	3-4
Functional Consultant	4-6
Sr Functional Consultant	6+
Lead Functional Consultant	9+
Principal Consultant / Solution Architect	10+
Project Manager	12+
Senior Project Manager	14+
Group Project Manager	15+

Day's Celebration

Independence Day :

On the occasion of Republic day, flag hoisting was done by Respected Principal Sir Dr. A. A. Keste on 26th January 2020 at 7:50 am. CFO of MES Respected Dr. A. J. Hake, all HODs, Staff member and student were present for Republic day celebration. Flag hoisting was followed by a small cultural program which included patriotic song, a speech and dance performance by students. Celebration ended with refreshments and photo session.



BE Student Placement

Company Name	Name of the student
Amazon	Borkar Shashank Kishor, Ovhal Vrushali Suhas
Arees	Waikar Vrushali Chandrakant
Capgemini	Katta Akshay Ramesh
Cognizant, Infosys	Lad Amogh Raghunath
Infosys	Ahivale Bhagyashri Sudhir, Ghatge Vaibhav Baburao, Giri Shivshankar Bhagawat, Khadke Apurv Satish, Shah Parshwa Bharat, Shende Tanmay Balasaheb, Shindekar Pratik Vijay
CLSA, Slumberger	Raut Satyapriya Shyamsundar
TCS, CLSA, Capgemini	Patil Dipak Arun
UPTYCS	Rakhe Sambhav Anant
Zensar, TCS	Kame Naimesh Saagar, Patil Omkar Sunil

Industrial Visit**Persistent Systems, Hinjewadi, Pune:**

One day industrial visit was organized for T.E. COMP students to Persistent Systems Private Limited Hinjewadi, Pune on 14th February 2020. The purpose of this visit was to explore the actual working environment of a Multi-National Company to students. The students got benefited in terms of the technical details provided by the company on an important part of the Recruitment Policy of Company.

Giant Metrewave Radio Telescope (GMRT) Pune :

One day industrial visit/educational tour was organized for S.E. COMP with prior permission of Giant Metrewave Radio Telescope (GMRT) at Khodad Pune on 28th February 2020. The programme consists of a grand Science Exhibition with live demonstrations from various research institutes and science popularization groups, as well as teaching institutions such as the University of Pune. Also the student were able to interact with well-known scientists and engineers and film shows on astronomical themes.



National Service Scheme Activities

Sr. No.	Details of Activity	Date	Resources/ Guest Speaker/Location
1	Savitribai Phule 189 th Jayanti Program	02/01/2020	Sevak Vihar University Campus & Bhide Wada
2	Mass Swachh Pledge under Swachh Bharat Abhiyan	16/01/2020	Seminar Hall 514
3	Career Guidance Session	17/01/2020	Smt. Shantabai Dhole Patil School, DP Road
4	Donation of Books to Orphanage	26/01/2020	Punarutthan Samarasta Gurukulam Aadiwasi Aashram, Chinchwad
5	Blood Donation Camp	31/01/2020	MESCOE Library Reading Hall
6	7 Days State Level Ek Bharat Shreshtha Bharat Camp	16/02/2020 to 22/02/2020	A/P: Waghapur Tal- Purandar, Dist Pune
7	Empowerment of Woman by the art of thinking under the "Nirbhya Kanya Abhiyan"	13/02/2020	Seminar Hall 509



Student's Workshop

Python and Machine Learning

Two days workshop was conducted on "Python and Machine Learning", on 9th and 11th March 2020 for S.E./T.E. Computer and ENTC Engineering students. This scheme is introduced by the Board of Student's development, Savitribai Phule Pune University under workshop/seminar/other activity and is jointly organized by Department of Computer Engineering, Modern Education Society's College of Engineering, Pune.

The speakers for the session were Mr. Dinesh Kulkarni, Data Scientist, Techlead Solutions Baner, Pune and Prof. Pravin Khandare, Assistant professor Computer Engg. Department, VIT, Pune. The speakers covered the basic concepts of python and machine learning, applications, learning methods etc.



1. Ms Supriya Khaire [M.E. Computer], "Water Quality Data Analysis and Monitoring System in IoT Environment," in 3rd International Conference on Contemporary Computing and Informatics (IC3I), Gurgaon, India, Electronic ISBN: 978-1-5386-6894-8, ISBN: 978-1-5386-6895-5, Pages 326-330. Added in IEEE Xplore on 24th February 2020.
2. Vinay Poduval, Ashish Koul, Daniel Rebello, Karunesh Bhat [B.E. I] published a research paper titled "Cloud based Secure Storage of Files using Hybrid Cryptography and Image Steganography" in International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-6, March 2020 (Scopus Indexed).
3. Prajakta Naidu, Amruta Patil, Vrushali Ovhal published a paper titled, "Handwriting Perusal using Gan", in the UGC approved Journal of Emerging Technologies and Innovative Research, Journal no 63975, ISSN : 2349-5162, Impact factor 5.87, Volume 7, Issue 5, May 2020.
4. Prajakta Nanaware, Saddam Huisan, Aishwarya Bhalerao, Tukaram Rathod published a paper, "Multiplayer Carrom Board Game with an AI Opponent", in International Research Journal of Engineering and Technology (IRJET), S.No: 1162, Volume 7, Issue 5, May 2020.
5. Rutuja Vasant Gaikwad, Veerila Vinod kshirsagar, Ram Rajesh Kulkarni, Shubham Mohan Kalokhe published a paper titled, "Predicting Human Behaviour from Handwriting", International Engineering Research Journal (IERJ), Volume 3, Issue 4, Page 6272-6274, ISSN 2395-1621, May 2020.
6. Tejas Kale, Sushant Mahalle, Akshay kata, Ram Raut Published a paper titled, "Augmented Reality Interior Design", International Journal of Advance Scientific Research and Engineering Trends (IJASRET) , Volume 4, Issue 3, Pages 20-24, Year 2020.
7. Manasi Begale and Dr. S.K.Wagh published paper on "A Survey on Crime Data Analysis and Prediction using Machine Learning" in International Journal of Future Generation Communication and Networking, Volume 13, No. 3, May 2020.
8. Sathyapriya Raut, Satyapriya Raut, Aniketh Poojary, Aditya Naikaware, Sushant Vairat published a paper titled "Ensemble Based Intrusion Detection System for Multi attack Environment" in International Journal of Innovative Reserach in Technology, Volumn 6, Issue 11, April 2020.
9. Arbhaz Shaikh, Shubham Bhan, Chappidi Vishnuvarhan, Mane Hrishikesh published a paper titled "Checxray: A Saas Application for Chest X-Ray Diagnosis" in International Journal of Engineering Research & Technology (IJERT), Volume 9, Issue 5, May 2020.
10. Apurv Khadke, Amogh Lad, Rhishikesh Sapkal, Saurabh Nikalje (B.E.1) published a paper on "Credit Card Fraud Detection using Ensemble Learning" in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume 7, Issue 5, May 2020.
11. Swarag Gutte, Juhilee Nazare, Sneha Pawar, Shweta Karanjawane published a paper titled, "Review of pest Attack predication and detection methodologies", in International Research Journal of Engineering and Technology (IRJET), Volume 7, Issue 4, April 2020.
12. Prajakta Nanaware, Saddam Huisan, Aishwarya Bhalerao, Tukaram Rathod published a paper titled "Multiplayer Carrom Board Game with an AI Opponent", in International Research Journal of Engineering and Technology (IRJET), Volume 7, Issue 5, May 2020.
13. Pallavi Gosavi, Preeti Pimpale, Reena Joseph, Rujuta Hirve(B.E.) and Prof.Shubhangi khade published a paper titled, "Evaluation of dense 3D reconstruction from 2D face images in the wild: An Overview" at IEEE International Conference on Emerging Smart Computing and Informatics (IEEE – ESCI 2020), in International Engineering Research Journal (IERJ) proceeding, March 12 - 14, 2020.
14. Pallavi Gosavi, Preeti Pimpale, Reena Joseph, Rujuta Hirve(B.E.)and Prof.Shubhangi khade Paper published on "3D reconstruction from 2D face images using deep learning" in International Journal of Engineering Applied Sciences and Technology (IJEAST).
15. Darshita Bohra, Amina Khan, Samruddhi Phatangare, Vagmita Sapre(B.E.) and Prof. Shubhangi Khade Paper published on "A review paper on face based registration for events" in International Journal on Computer Science and Engineering (IJCSE).
16. Darshita Bohra, Amina Khan, Samruddhi Phatangare, Vagmita Sapre(B.E.)and Prof. Shubhangi Khade published a paper titled "A review paper on importance of open source software", International Journal on Computer Science and Engineering (IJCSE).
17. Faizan Akhtar—
 - The mentor and a technical speaker for the event titled "GCP Crash Course" conducted under Developer Student Club (DSC) MESCoE, powered by Google Developers at MESCoE.
 - The technical speaker for the event titled "Flutter Interact Extended" conducted under Developer Student Club(DSC) MESCoE, powered by Google Developers, for the event titled "Host a web application using Azure App Service" conducted under Microsoft Student Partner Club and for the event titled "How to collaborate with GitHub" conducted under Microsoft Student Partner Club, organized by Microsoft Student Partner(MSP) Parag Ghorpade.

Staff Achievements

1. Dr. A.P. Kale was awarded with Ph.D. degree in Computer Science and Engineering on the topic of "IMPLEMENTATION OF NEURAL NETWORK BASED PATTERN CLASSIFICATION BY IDENTIFYING PROMINENT FEATURE SUBSET" from Walchand College of Engineering Sangli, Shivaji University Kolhapur Maharashtra on 16th December 2019.
2. All staff members attended a Guest Lecture on "Stress Management" by Mr. Milind Sase on 27th Jan 2020 at MESCoE Pune.
3. Dr. N.F.Shaikh—
 - Attended one week IITB Spoken Tutorial FDP on Drupal (AISSMS IOIT), 20th April-27th April 2020 .
 - Attended one week IITB Spoken Tutorial FDP on Biopython (SIT Narhe), 27th April - 2nd May 2020.
 - Attended webinar on, "HOW TO IMPROVE THE CITATION AND WRITE RESEARCH PAPERS", organized by Department of Computer Engineering, Sir Visvesvaraya Institute of Technology, Nashik on 1st May,2020.
 - Attended FDP on Digital Marketing by North Storm academy, 03rd May,2020.
 - Attended two weeks IITB Spoken Tutorial FDP on Java (SAE Kondwa), 4th -15th May 2020.
 - Attended one week IITB Spoken Tutorial FDP on Moodle, Sinhgad College of Engineering, Vadgaon, 4th- 8th May 2020.
 - Attended webinar on Is COVID-19 Pandemic a Challenge or Opportunity?: An Analysis organised by Uran College of Commerce and Arts on Saturday, 09th May 2020.
 - Attended a one day webinar on "Building a Successful Coursera for Campus Program" on 14th May 2020.
 - Attended three days online Faculty Development Programme on "Exploring Research Challenges and Opportunities in Science & Technology". This Faculty Development Programme was organized by the Department of Computer Engineering, Lokmanya Tilak College of Engineering from 27th to 29th May 2020.
 - Attended webinar on How to write a Book : Become a Published Author, Dattakal group of Institutions, 28th May 2020
 - Attended the Online Webinar on "Cyber Crime Awareness Amid Lockdown" organised by Department of Computer Engineering, Sandip Institute of Engineering and Management on 18th May 2020.
 - Certified "Coursera Administrator" after completing training and clearing the certification on 11th May 2020.
 - Completed Coursera certification on AI for Everyone and Machine Learning, UdeMy certification on Augmented Reality.
 - Drafted and finalized SE 2019 revised syllabus of SPPU for the subjects CG and OOPCG Lab.
 - Invited as Session Chair at the "International Conference on Future Intelligence in Science and Technology-SITSFIST" on 31st May 2020 organised by Sinhgad Institute of Technology and Science, Narhe, Pune.
 - Worked as reviewer for Applied Soft Computing (ASOC - Elsevier publication) .
 - Worked as reviewer for International Journal of Advanced Computer Science and Applications (IJACSA - WoS, Scopus).
 - Worked as reviewer for International Journal of Engineering Research in Computer Science and Engineering (IJERCSE).
 - Reviewer for cPGCon 2020.
4. Dr.R.A.Khan drafted and finalized SE 2019 revised syllabus of SPPU for the subjects HSS ,BCS Lab and COC.
5. Dr.S.K.Wagh
 - Attended one week IITB Spoken Tutorial FDP on Drupal (AISSMS IOIT) 20th—27th April 2020.
 - Attended one week IITB Spoken Tutorial FDP on Biopython (SIT Narhe), 27th April - 2nd May 2020.
 - Attended webinar on, " HOW TO IMPROVE THE CITATION AND WRITE RESEARCH PAPERS", organised by Department of Computer Engineering, Sir Visvesvaraya Institute of Technology, Nashik on 01st May 2020.
 - Attended FDP on Digital Marketing by North Storm academy, 03rd May 2020.
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 - Attended webinar on Is COVID-19 Pandemic a Challenge or Opportunity?: An Analysis organised by Uran College of Commerce and Arts on Saturday, 09th May 2020.
 - Attended a one day webinar on "Building a Successful Coursera for Campus Program" on 14th May 2020.
 - Attended one day FDP on BCSL organised by IIIT, Pune and BoS Computer Engineering, SPPU on 7th July 2020.
 - Attended the Online Webinar on "Cyber Crime Awareness Amid Lockdown" organized by Department of Computer Engineering, Sandip Institute of Engineering and Management on 18th May 2020.



5. Dr.S.K.Wagh

- Attended three days online Faculty Development Programme on “Exploring Research Challenges and Opportunities in Science & Technology”. This Faculty Development Programme was organized by the Department of Computer Engineering, Lokmanya Tilak College of Engineering from 27th— 29th May 2020.
- Attended webinar on How to write a Book : Become a Published Author, Dattakal group of Institutions, 28th May 2020
- Worked as a Resource person for FDP on "Digital Forensic" at AISSMS Poly,Pune on 16th Jan 2020.
- Drafted and finalized SE 2019 revised syllabus of SPPU for the subjects OOP and OOPCG Lab.
- Worked as session Chair for International conference ICINC 2020 at Sinhgad COE,Pune.
- Attended two week FDP on "Emerging Trends in Industry 4.0" Technically Sponsored by ACM from 18th-29th May 2020
- Attended One Week Online National Level FDP on “Recent Trends & Innovations in Digital Forensic” Organized by Department of Computer Engineering, AISSMS Institute of Information Technology, Pune-01, in Association with ACM Student Chapter & IEEE Pune Section from 25th—30th May 2020.
- Attended one week FDP on "Java" organized by PVGCOET Pune in association with Spoken Tutorial IIT Bombay from 18th - 22nd May 2020.
- Attended One Week Online FDP on “PHP and MySQL” Organized by Department of Computer Engineering, MMCOE College of Engg Pune in association with Spoken Tutorial IIT- Bombay from 30th April— 5th May 2020.
- Successfully Completed One Week Online FDP on “Drupal” Organized by Department of Computer Engineering, AISSMS IOIT Pune in association with Spoken Tutorial IIT- Bombay from 19th - 25th April 2020.
- Invited as Session Chair at the International conference Internet of Things, Next Generation Networks and Cloud Computing Department of Computer Engineering Smt. Kashibai Navale College of Engineering 12th & 13th February 2020.
- Invited as Session Chair at the IEEE International conference "ESCI 2020 (2nd IEEE International Conference on Emerging Smart Computing and Informatics)" organized by AISSMS IOIT Pune 13th March 2020.
- Worked as reviewer for "ESCI 2020 (2nd IEEE International Conference on Emerging Smart Computing and Informatics)" .
- Worked as Reviewer for cPGCon 2020.
- Worked as Reviewer for Int. J. of Business Intelligence and Data Mining.(Publisher Inderscience Journal) .

6. Dr. J.R.Pansare -

- Completed online Certification course authorized by IITKgp INDIA on "Deep Learning" at NPTEL. Passed course. Jan-June 2020.
- Students to whom guided as mentor got selected for Smart India Hackathon(SIH) 2020.

7. Miss R. M. Wahul Worked as SPPU B.E. InSem Examination Paper Setter for Subject Cloud Computing.

8. Mrs. S.R.Khonde-

- Attended One week Online FDP on "BOSS Linux-Ubuntu Operating System" from 15th - 21st April 2020 organized by Karmaveer Bhaurao Patil College of Engineering, Satara in association with Spoken Tutorial IIT , Bombay under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching [PMMNMTT] , MHRD, Govt. of India.
- Attended Webinar on "Virtual Reality" on 14th May 2020 hosted by Department of Computer Science and Application, SRM university and Pantech Solutions.
- Attended webinar on "How ML works for Open CV Application" hosted by Government College of Engineering, Aurangabad and Pantech Solutions.
- Attended 6 days Virtual FDP on "Networking Essentials" from 14 to 20, May 2020 conducted by ICT Academy.
- Obtained certificate from Spoken Tutorial IIT, Bombay on "BOSS Linux-Ubuntu Operating System" on 22nd April 2020
- Obtained certificate for excellent performance in online Covid - 19 Awareness Programme Quiz held under a national level event - Quarantine Digital Renaissance 2020 during the Covid -19 lockdown organized by Association of Computer Engineers(ACE) of the Department of Computer Engineering on 17th May 2020.
- Obtained Certificate on "Database Management System" Quiz from Department of Computer Engineering, Anantrao Pawar College of Engineering & Research, Pune on 6th January 2020.

9. Prof S. P. Kedkar-

- Attended two week FDP on "Emerging Trends in Industry 4.0" Technically Sponsored by ACM from 18th—29th May 2020.
- Attended two week FDP on "JAVA" in association with Spoken Tutorial IIT Bombay from 4th—15th May 2020 .
- Attended FDP from 14th May to 20th May 2020 on Network Essentials conducted by ICT academy.
- Attended one week FDP on "python" in association with Spoken Tutorial IIT Bombay from 19th - 23th May 2020.

10. Prof. B.K. Bodkhe worked as a reviewer for Springer's Journal of Big Data.

11. Prof. S.P.Deore -

- Attended two week FDP on "Emerging Trends in Industry 4.0" Technically Sponsored by ACM from 18th - 29th May 2020.
- Attended 6 days online Faculty Development Program (FDP) on "PHP and MySQL", Organized by Computer Engineering Department, PRES's Sir Visvesvaraya Institute of Technology, Nashik.
- Attended 4th One Week Short Term Training program on, implementation of Advanced Optimization Techniques using MATLAB Organized Under RIT-Center for Teaching and Learning (RIT-CTL).
- Attended webinar on "Futures of AI and block chain organised by Rajarambapu Institute of Technology", under IEEE, from 14th-17th May 2020.
- Reviewer Board member of IRE Journal.
- Good performance in National Level Quiz on MATLAB PROGRAMMING organized by Institutions Innovation Council, Muffakham Jah College of Engineering and Technology, Hyderabad.

12. Dr. A.P.Kale—

- Attended one day SPPU SE Syllabus revision workshop for Fundamental of Data Structure subject at Sinhgad CoE.
- Completed the 8 Weeks NPTEL Online Certification course on "Introduction To Soft Computing" authorized by IITKgp INDIA on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.
- Attended two week online Faculty Development Program (FDP) on "Java", Organized by Department of Computer Engineering, STE'S Sinhgad Academy of Engineering, Kondhwa, Pune, in association with IITB Spoken Tutorial from 4th - 15th May 2020.
- Attended one week online Faculty Development Program (FDP) on "Latex", Organized by Department of Computer Engineering, S. B. Patil College of Engineering Indapur association with Spoken Tutorial, IIT Bombay, from 25th April 2020 to 1st May 2020.
- Attended one week national level online Faculty Development Program (FDP) on "R Programming", Organized by D. Y. Patil University association with Spoken Tutorial, IIT Bombay, From 11th—16th May 2020.
- Attended one week national level online Faculty Development Program (FDP) on "Python 3.4.3", Organized by MET Bhujbal Knowledge City MET Institute of Engineering, Nashik association with Spoken Tutorial, IIT Bombay, From 26th—30th April 2020.
- Attended one week online Faculty Development Program (FDP) on "Python Programming and Fuzzy System", Organized by JSPM Narhe Technical Campus, From 18th—22th May 2020.
- Drafted and finalized SE 2019 revised syllabus of SPPU for Fundamental of Data Structure of SPPU, Pune.
- Worked as reviewer for ACM Transactions on Knowledge Discovery from Data.
- Worked as reviewer for IEEE Journal of Biomedical and Health Informatics.
- Worked as reviewer for Elsevier Journal of Franklin Institute, Springer Journal Technology.
- Worked as reviewer for Knowledge and learning (TKNL)
- Worked as reviewer for Springer Journal of Earth Science Informatics.
- The accredited member of the World Research Council with Accreditation number WRC-RRF-IND-1049 for the academic year 2019-20.

13. Ms. M.G.Devikar attended one week online FDP on R Programming in Association with IIT Bombay, conducted by JSPM.

14. Mrs. S.S.Raskar -

- Attended 6 days online Faculty Development Program (FDP) on "PHP and MySQL", Organized by Computer Engineering Department, PRES's Sir Visvesvaraya Institute of Technology, Nashik.
- Attended Two week International online FDP on "Emerging Trends in Industry 4.0" Technically sponsored by ACM, organized by JSPMs Rajashri Shahu College of Engineering 18th—29th May 2020.

15. Mr. G.S.Pole -

- Attended two week FDP on "Emerging Trends in Industry 4.0" Technically Sponsored by ACM from 18th—29th May 2020.
- Attended one week FDP on "JAVA" remotely at Zeal College of Engineering and Research, Pune in association with Spoken Tutorial IIT Bombay from 05th—13th April 2020.
- Attended Five Day Faculty Development Programme on Python from 20th—24th April 2020 organized by IQAC & e-Learning cell, Aarupadai Veedu Institute of Technology (AVIT) in Association with IIT (Bombay), Pandit Madan Mohan Malaviya Mission on Teachers and Teaching (PMMMNTT).

16. Mr. G.S.Pole -

- Attended One Week Online Faculty Development Program remotely on “R - Language for analytics and Data Science” organized by the Sinhgad College of Engineering, Vadgaon (Bk), Pune in association with Spoken Tutorial Project, IIT Bombay during 27th April to 2nd May 2020.
- One Week Online FDP on “Java Business Application” organized by Department of Information Technology, RMD Sinhgad School of Engineering, Pune from 27th April- 2nd May 2020 in association with Spoken Tutorial, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Government of India.

17. Mr. S.S.Shinde -

- Attended One Week Online FDP on “Research Methodology and Tools” Organized by Department of Computer Engineering Sandip Foundation’s Sandip Institute of Technology and Research Centre, Nashik from 11th—15th May 2020.
- Attended 8 Days FDP on “Scilab” organised by Department of Computer Engineering, ICEM, Pune in association with IIT Bombay Spoken Tutorials, 7th-14th May 2020.
- Participated in Spitting Kill Campaign Quiz Program organised by ACF, Caring Friends and NSS during April-May 2020 to prevent spread of COVID-19.
- Participation in COVID-19 Awareness Quiz conducted by National Service Scheme and Unnat Bharat Abhiyan Team, Mamasahab Mohol College, Paud Road, Pune on 8th May 2020, Certificate ID-T8UWWQ-CE001100.
- Attended Covid 19 Awareness Quiz held under a national event Quarantine Digital Renaissance 2020 organised by the Computer Department's Association of Computer Engineers (ACE) of Modern Education Society's College of Engineering, Pune by scoring 100% on 19th May 2020.
- Successfully completed online certification on “Manuscript Preparation using Overleaf” conducted by Trainer Dr. Ramchandra Mangrulkar on 13th May 2020.
- Attended webinar on "Outcome Based Education & Pedagogical Management in Engineering Education" organised by MVPS's KBTCE on Tuesday 11th May 2020 from 9.45 am to 11.15 am.
- Attended Webinar on Data Analytics organised by SRM VEC CSI STUDENT BRANCH IN ASSOCIATION WITH COMPUTER SOCIETY OF INDIA KANCHEEPURAM CHAPTER Speaker- Ms.K.Srividhya, CEO Mathy consultants held on 16th May 2020.
- Attended Webinar on "Transform HPC & AI with Intel® Software" on 13th May 2020 under Intel Webiner Series in coordination with Smart India Hackathon 2020 by Speaker Kiran Kannappan-HPC Technical Consultant – Aditech ICT Pvt Ltd.
- Attended Webinar on "Machine Learning with Intel® DAAL4PY" on 15th May 2020 under Intel Webiner Series in coordination with Smart India Hackathon 2020 by Speaker-Abhishek Kumar Srivastava Sr Manager - Technical Services.
- Attended Webiner on "Deep learning model deployment using Intel® OpenVINO toolkit" on 20th May 2020 under Intel Webiner Series in coordination with Smart India Hackathon 2020 by Speaker-Suryender Kumar-National Manager - Technical Services.
- Attended Webiner on "Inference at the edge with Intel® Neural Compute Stick" on 22nd May 2020 under Intel Webiner Series in coordination with Smart India Hackathon 2020 Speaker Anip Sharma Subject Matter Expert.
- Attended Webiner on "Data Analytics with Intel® Python" on 27th May 2020 under Intel Webiner Series in coordination with Smart India Hackathon 2020 Speaker -Krishna Mouli Progra15. m Manager, Boston IT solution India PVT.LTD
- Attended Webiner on "Introduction to Deep Learning with Intel® Distribution for Python" Friday, May 29, 2020 11:00:00 AM IST - 12:30:00 PM IST under Intel Webiner Series in coordination with Smart India Hackathon 2020 Speaker -Krishna Mouli Program Manager, Boston IT solution India PVT.LTD.
- Attended Guest Lecture by Mr. Milind Sase on 27th Jan 2020.
- Attended Online workshop for Academia on Awareness about Covid-19 in association with Unicef, National Service Scheme, University of Mumbai, Savitribai Phule Pune University and Shivaji University Kolhapur on 21st April 2020.

18. Prof. A. D. Dhawale -

- Completed one week online Faculty Development Program on Python 3.4.3 organized by Dept. of Information Technology and Dept. of Computer Engineering, MET’s Institute of Engineering, Nashik in association with Spoken Tutorial Project, IIT Bombay during 26th—30th April 2020.
- Completed 5 days National Online Faculty Development Program on “Artificial Intelligence” organized by Department of Information Technology, Universal College of Engineering during 22nd— 26th May 2020.
- Completed 5 days online Short Term Training Program on "Recent Trends and Applications of Machine Learning and Deep Learning in IT" organized by Ramrao Adik Institute of Technology, Navi Mumbai during 25th— 29th May 2020.

19. Mr. M. S. Shinde -

- Attended one Week FDP on "Digital Forensics and Security Research" organized by Government College of Engineering, Karad during 25th to 29th April, 2020.

- Attended one week online FDP on Python 3.4.3 organized by Dept. of Computer Engineering, AISSMS college of Engineering Pune in association with Spoken Tutorial Project, IIT Bombay during 28th April to 4th May 2020.

20. Mr. G. B. Aochar

- Attended online 8 Days FDP on Scilab organised by Department of Computer Engineering, ICEM, Pune in association with IIT Bombay Spoken Tutorial from 7th—14th May 2020.

- NPTEL course pass on Data Analytics Using Python 4.

- Attended the webinar on DATA ANALYTICS by Ms.K.Srividhya, CEO Mathy consultants held on 16th May 2020 by SRM VEC CSI Student Branch In Association With Computer Society Of India Kancheepuram Chapter.

- Attended One week Online Faculty Development Program on "Java" with course material provided by the Talk To A Teacher project at IIT Bombay organized under Spoken Tutorial Project, IIT Bombay, funded by NMEICT, MHRD, Govt. of India from 18th - 22nd May 2020.

- Participated in the R Training Organized By Dr. D. Y. Patil University Pune in January 2020 semester organized under Spoken Tutorial Project, IIT Bombay, funded by NMEICT, MHRD, Govt. of India.

21. Ms. S. R. Khade attended One week Faculty Development Program on "Applications of Machine Learning and Deep Learning for Engineering Problem Solving" at SKNCOE, Pune on January 20th—25th, 2020.

22. Ms. B. F. More

- Attended three days online FDP on "Data Science using R" organized by Department of MCA, KKW Institute of Engineering Education and Research, Nashik, from 28th May—30th May 2020.

- Attended and completed one week FDP on "Machine Learning using Python" organized by Department of Information Technology, SITRC, Nashik, from 21st—25th May 2020 with 70% Score.

- Attended 10 days "Python Programming Online Course" conducted by mitu Skilllogies, Pune from 20th—29th April 2020.

- Excellent performance in Covid-19 Pandemic general awareness quiz arranged by Internal Quality Assurance Cell, SIT, Lonawala.

- Completed online NPTEL certification for 4 week course (Jan-Feb 2020) of "Python for Data Science".

- Completed "Python Quiz" organized by Department of Information Technology PVG CoE, Nashik on 12th May 2020.

23. Prof. J. S. Mane -

- Completed online NPTEL certification for 4 week (Jan- Feb 2020) course of "Software Testing".

- Completed One Week Online National Level FDP on "Recent Trends & Innovations in Digital Forensic" Organized by Department of Computer Engineering, AISSMS Institute of Information Technology, Pune-01, in Association with ACM Student Chapter & IEEE Pune Section from 25th - 30th May 2020.

- Attended webinar on 'The DevOps way of automating and securing IT infrastructure' organized by Dept of Computer Engg. NBN Sinhgad School of Engineering in Association with Xenstack sol India Pvt Ltd Pune on 25th May 2020.

- Completed One Week Online FDP on "PHP and MySQL" Organized by Department of Computer Science and Engineering, JNTUH College of Engg Jagtial in association with Spoken Tutorial IIT- Bombay from 18th - 23th May 2020.

24. Prof. Y.S.Ingle -

- Attended one week FDP on "Python" organized by PICT Pune in association with Spoken Tutorial IIT Bombay from 27th April 2020 to 2nd May 2020.

- Attended one week FDP on "Java" organized by PVGCOET Pune in association with Spoken Tutorial IIT Bombay from 18th - 22nd May 2020.

- Completed online CERTIFICATION course authorized by STANFORD UNIVERSITY USA on Machine Learning at COURSERA. Passed with 99.6% grade. April-June 2020.

- Completed online CERTIFICATION course authorized by UNIVERSITY OF CALIFORNIA SANTA CRUZ USA on C for everyone: Programming fundamentals at COURSERA. Passed with 97.2% grade. May-June 2020.

- Completed online CERTIFICATION course authorized by IITKgp INDIA on "Deep Learning" at NPTEL. Passed course. Jan-June 2020.

- Attended 7 Webinars and passed 15+ National level quizzes got certificates organized by various colleges in our country-side India.

- Qualified GATE exam 2020 again with ALL INDIA RANK 7785, 92 percentile, score 422 (previously had qualified GATE 2010 with AIR 2987, 97.21 percentile, score 534).

- Created online Quiz for subject Soft Computing and Optimization Algorithms with e-certificate for students.

1. Dr.N.F.Shaikh has published a paper titled, "Predicting Human Behaviour from Handwriting", International Engineering Research Journal (IERJ), Volume 3, Issue 4 Page 6272-6274, ISSN 2395-1621.
2. Dr. N.F.Shaikh has published a paper titled, "Augmented Reality Interior Design", International Journal of Advance Scientific Research and Engineering Trends (IJASRET), Volume 4, Issue 3, Year: 2020, Pages 20-24.
3. Dr.(Mrs.) R.A. Khan published a paper titled "Checxray: A Saas Application for Chest X-Ray Diagnosis" in International journal of Engineering Research & Technology (IJERT), Volume 9, Issue 5 , May - 2020.
4. Dr.(Mrs) S.K.Wagh published paper on "Anomaly Intrusion Detection System in Real Time Environment using Ensemble Learning Model " in 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-8, Issue-4, November 2019. Page No.: 4908-4917.
5. Dr.(Mrs.)S.K.Wagh published paper on " A Survey on Crime Data Analysis and Prediction using Machine Learning " in International Journal of Future Generation Communication and Networking, Volume. 13, No. 3 , May 2020.
- Dr.(Mrs.)S.K.Wagh published a book entitled "Cloud Computing" for Third year Diploma Semester VI based on MSBT syllabus with Nirali Publication.
- Dr.(Mrs.)S.K.Wagh published a book entitled "Computer Hardware and Peripherals" for Second year Diploma Semester IV based on MSBT syllabus with Nirali Publication.
6. Dr. J. R. Pansare has published a book entitled "Human Computer Interaction (HCI)" for BE Semester II based on SPPU syllabus with publisher TechKnowledge.
7. Dr. J. R. Pansare has published a book entitled "Human Machine Interaction (HMI)" for BE Semester II for Mumbai University with publisher TechKnowledge.
8. Miss R. M. Wahul has published a research paper titled, "Water Quality Data Analysis and Monitoring System in IoT Environment," in 3rd International Conference on Contemporary Computing and Informatics (IC3I), Electronic ISBN: 978-1-5386-6894-8, Print on Demand(PoD) ISBN: 978-1-5386-6895-5, Pages 326-330, Gurgaon, India. Added in IEEE Xplore on 24th February 2020.
9. Miss Revati M Wahul published a research paper titled "Cloud based Secure Storage of Files using Hybrid Cryptography and Image Steganography" in International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-6, March 2020 [Scopus Indexed].
10. Prof. S.R. Khonde has published a research paper titled, "Ensemble Based Intrusion Detection System for Multi attack Environment" in International Journal of Innovative Research in Technology, Volume 6, Issue 11, April 20202. ISSN No. 2349-6002.
11. Prof. S.P. Khedkar has published a research paper titled, "A capsule based method to analyse constituents of IOT traffic", in 5th international conference on internet of thing next generation networks and cloud computing.
12. Prof. S.P. Khedkar has published a research paper titled, "Adaptive channel assignment method for SDN enabled IOT" in International Journal of advanced science and Technology, Volume 29, No.7, Pages 2776-2784, 2020.
13. Prof. S.P. Khedkar has published a research paper titled, "SDN enabled cloud, IoT and DCNs: A comprehensive Survey" in International Conference on Computing Communication Control and Automation 2019 at PCCOE.
14. Mrs. S.P.Deore has published a research paper titled, "Real-time Devanagari Numeral Recognition using Capsule Neural Network" in International Journal of Advanced Science and Technology, 29(7), Pages 2817-2825.
15. Mrs. S.P.Deore has published a research paper titled, "Handwriting Perusal using Gan", Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162) UGC approved Journal (journal no 63975 Impact factor 5.87, Volume 7, Issue 5, May 2020.
16. Dr. A.P. Kale has published a research paper titled, "Prominent Feature Selection for Sequential Input by Using High Dimensional Biomedical Dataset", in Fourth National Research Symposium on Computing National Level joint Event by WCE ACM Student Chapter and Department of CSE and Department of IT (WCE,Sangli) and Jabalpur College of Engineering, Jabalpur at Walchand College of Engineering, Sangli. from 19th-22ndDecember 2019.
17. Miss M. G. Devikar has published a research paper titled, "Credit Card Fraud Detection using Ensemble Learning" in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 ,Volume: 7, Issue 5, May 2020.
18. Prof. Shobha S. Raskar has published a research paper titled, "Review of pest Attack predication and detection methodologies", in International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 4, April 2020 (<https://www.irjet.net/volume7-Issue4>) S.No: 1122.
19. Prof. Shobha S. Raskar has published a research paper titled, "Handwriting Perusal using Gan", in Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162) UGC approved Journal (journal no 63975 'Handwriting Perusal using Gan' Impact factor 5.87, Volume 7, Issue 5 may 2020.
20. Prof. Shobha S. Raskar has published a research paper titled, "Multiplayer Carrom Board Game with an AI Opponent", in International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 5, S.No: 1162, May 2020.

Staff Publications

21. Mr. A. D. Dhawale has published a research paper titled, "Price Prediction and Analysis of Financial Markets based on News, Social Feed, and Sentiment Index using Machine Learning and Market Data.", International Research Journal of Engineering and Technology (IRJET), ISSN NO: 2395-0056, Volume: 7, Issue 5, Date: May-2020.

22. Mr. A. D. Dhawale has published a research paper titled, "Intrusion Detection System using Soft Computing and Machine learning Algorithm", IEEE, ISSN 2395-1621, Special Issue, 11th March 2020.

23. Mahesh S Shinde has published a research paper titled, "Smart Conceptual Appraisal using Natural Language Processing" in International Research Journal of Engineering and Technology, Volume 7, Issue 5, May 2020.

24. Mahesh S Shinde has published a research paper titled, "Crop prediction Based on Soil Classification using Machine Learning with Classifier Ensembling" in International Research Journal of Engineering and Technology, Volume 7, Issue 5, May 2020.

25. Mr. G. B. Aochar has published a research paper titled, "YouTube Data Analysis Using MapReduce on Hadoop", in International Journal of Research in International Journal of Research in Engineering, Science and Management, Volume-3, Issue-5, May-2020.

26. Mr. G. B. Aochar Published Survey paper on "YouTube Data Analysis Using MapReduce on Hadoop", in International Journal of Research in International Journal of Research in Engineering, Science and Management, Volume-2, Issue-12, December- 2019.

27. Ms. S. R. Khade has published a research paper titled, "Evaluation of dense 3D reconstruction from 2D face images in the wild: An Overview", IEEE International Conference on Emerging Smart Computing and Informatics (IEEE – ESCI 2020) in International Engineering Research Journal (IERJ) proceeding" - UG Track, which was held on 12th - 14th March 2020, at AISSMS IOIT, Pune.

28. Ms. S. R. Khade has published a research paper titled, "3D reconstruction from 2D face images using deep learning" at International Journal of Engineering Applied Sciences and Technology (IJEAST).

29. Ms. S. R. Khade has published a research paper titled, "A review paper on face based registration for events", at International Journal on Computer Science and Engineering (IJCSE).

30 Ms. S. R. Khade has published a research paper titled, "A review paper on importance of open source software" at International Journal on Computer Science and Engineering (IJCSE).

31. Mr. Y. S. Ingle has published paper on "Malware Classification using Deep Learning" in International Research Journal of Engineering and Technology (IRJET) Vol.7 Issue 4, April 2020.



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