Digital Poster Presentation Competition_Theme: "Effect of COVID-19 on Society"

Competition hosted on date 15th Sept 2020

Department of Information Technology, IE(I) & IETE student chapter & of Prof. Ram Meghe Institute of Technology & Research Badnera organized an online event Digital Poster Presentation Competition on the occasion of engineers day. The participation of students was wholehearted; they presented their digital posters online through zoom software. Theme of the event was "Effect of COVID-19 on Society". Each poster presented was delivering one meaningful message in accordance to COVID 19 situation. The program was inaugurated at the hands of Dr. P. V. Ingole, Head of Information Technology Department.

Prof Ms. Pranjali Deshmukh, Prof. Harshal Misalkar, were invited as a judge of event. All staff members along with students of 2nd, 3rd and final year IT students attended the event online.

As per the evaluation of judges following students were declared as winner.

1. *VASHNAVI PATASKAR- 1st Winner*
2. *MAYURI WANKHEDE – 2nd Winner*
3. *PIYUSH RAMTEKE – 3rd Winner.*

The students were guided to prepare a digital poster on given theme using e resources and their own ideas by the event organizers Prof. U. V. Nikam, and Prof. A. W. Burange.

Student coordinators of the event were Chinmay Kasliwal (2nd Yr. IT), Shubham Bijwe (3rd Yr. IT), Vaishnavi Pataskar (2nd Yr. IT) and many other students actively contributed for the event.

Welcome to the Guests, Digital Poster Presentation Competition

Some Digital Poster Presentation in the Competition

"Movie Making Competition"

Theme:"Effect of COVID-19 on Society"

Department of Information Technology, IE(I) & IETE student chapter & of Prof. Ram Meghe Institute of Technology & Research Badnera organized an online event **Movie making Competition o**n the occasion of engineers day. Idea behind this event was; student had to create a 5 minutes video clip may be by using online videos or their own shooting based upon a given theme.
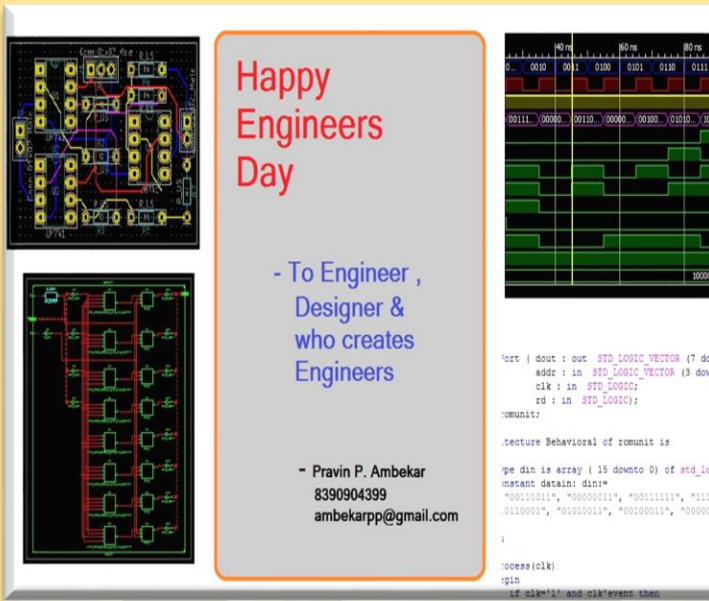
The participation of students was wholehearted; they presented their short movie clips online through zoom software. Theme of the event was *"Effect of COVID-19 on Society"*. A best movie clips delivering a meaningful message related to the theme were selected as a winners. The program was inaugurated at the hands of Dr. P. V. Ingole, Head of Information Technology Department.

Prof Ms. Pranjali Deshmukh, Prof. Harshal Misalkar, were invited as a judge of event. All staff members along with students of 2nd, 3rd and final year IT students attended the event online.

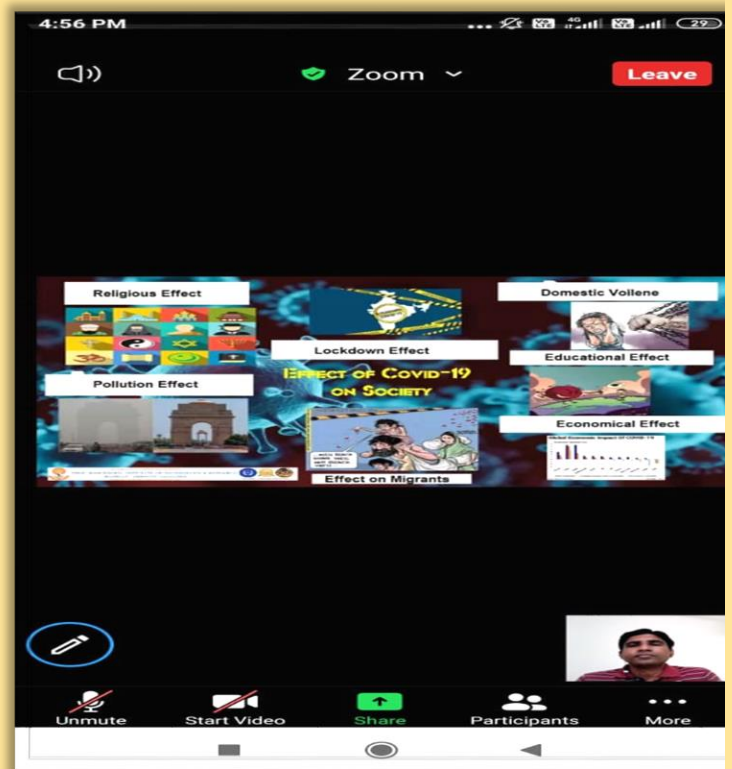As per the evaluation of judges following students were declared as winner.

1. NILESH AWACHAT- 1st Winner

2. PRATHAMESH INGALE & group – 2nd Winner

Student coordinators of the event were Arjun Jaiswal (2nd Yr. IT), Mayuri Wankhed (2nd Yr. IT) and many other students actively contributed for the event.

Some glimpses of Movie Presentation in the Movie Making Competition

Four Days online workshop on Basics of Python Programming

The Department of Information Technology, Prof. Ram Meghe Institute of Technology and Research, Badnera in collaboration with MindSpaXs , Training division of Ctronics Info Tech Pvt. Ltd. has organized four day's Workshop on "Basics of Python Programming" for B. E Second and Third year students. Mr. Shrikant Pande and his technical team conducted this online workshop on Google meet platform. They have conducted daily 3 hours in afternoon session. Total 60 students participated for the workshop. Workshop was inaugurated in the presence of Dr. P. V. Ingole ,HOD Information Technology, Workshop Coordinator Dr. P. P.Deshmukh and Mr. Shrikant Pande, Director Citronics Pvt. Ltd. Many faculty members of IT department were virtually present for workshop.

Aim of conduction of this technical workshop was to train students in python programming. Following were the objectives of workshop:-
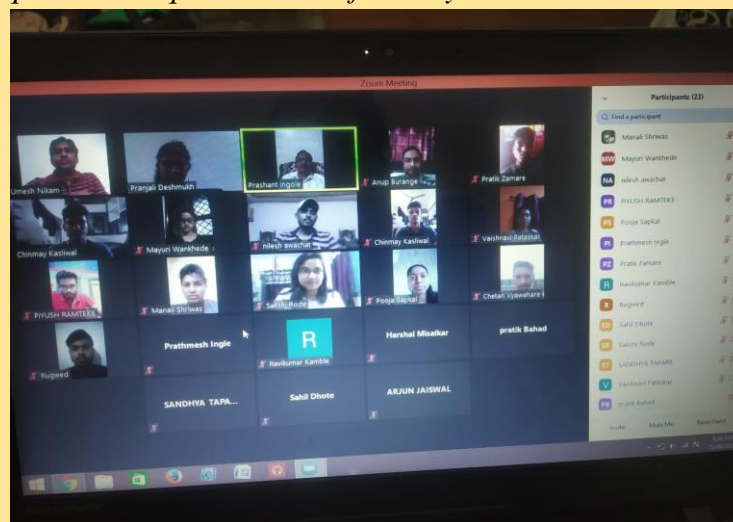
1. Gain a Solid & Unforgettable Understanding of the Python Programming Language
2. Use Object-Oriented Programming (An Industry-Standard Coding Technique) to Write High Quality Python Code.
3. Learn Python Basics to gain the confidence to build larger and more complex programs
4. Build a Receipts Program to gain the understanding of variables, data types and strings
5. Build a Calculator Program to gain the understanding of doing math with Python and conditional statements
6. Build a Hangman Game and address simple to complex looping (while, for) statements
7. Build an Object Oriented Program to construct new Cars and learn concepts such as Inheritance, Method Overriding and Overloading
8. Tackle challenges related to each python program that you build
9. Learn to use Functions, Lists, Tuples and Sets
10. Get an in-depth introduction to Git and Github for Version Control
11. Learn to professionally set up Visual Studio code for Python Development

Online workshop was meticulously planned by trainers. It was hands-on and interactive workshop for the students.

Training and Placement Awareness Program For Third Year students

Department of Information Technology and Department of Training and Placement, Prof. Ram Meghe Institute of Technology and Research Badnera conducted **"Training and Placement awareness program"** on 11 July 2020. Program was conducted online due to Covid pandemic situation on Webex platform. All B.E third year Students attended program virtually. Dr. Nikku Khalsa , Dean T&P , Dr. Pranjali Deshmukh , Training officer, Prof. Shrikant Deshmukh , Placement Officer conducted this awareness program. Dr. P. V. Ingole , HOD ,IT department, Prof. Smeet Thakur, Prof, Anup Burange Placement Coordinators, Prof. Ankur Mahalle and Prof. Saleha Saudagar, Training coordinators of IT Department were present for workshop. It was 3 hours' workshop in which program started with welcoming to HOD, IT, Dean T&P and all faculty members and students by Dr. Pranjali Deshmukh and she explained all training phases to be conducted for third year students. She explained the importance of CRT training for placement point of view. Dr. Nikku Khalsa elaborated on forthcoming placement opportunities for students and preparation needed to get placed in Eminent MNCs. He also told about last year placement ratio, companies visited in campus, AMCAT test and opportunities through it. Prof. Shrikant Deshmukh explained on data needed for placement purpose and also elaborated on how to fill data for companies.

It was totally interactive session and students raised many queries related CRT training and placement scenario. T & P team explained and resolved their queries and questions satisfactorily.

Students attending Online Training and Placement Awareness Program

Training and Placement Awareness Program For Second Year students

Department of Information Technology and Department of Training and Placement, Prof. Ram Meghe Institute of Technology and Research Badnera conducted "Training and Placement awareness program" on 15 July 2020. Program was conducted online due to Covid pandemic situation on Webex platform. All B.E Second year Students attended program virtually. Dr. Nikku Khalsa , Dean T&P , Dr. Pranjali Deshmukh , Training officer, Prof. Shrikant Deshmukh , Placement Officer conducted this awareness program. Dr. P. V. Ingole , HOD ,IT department, Prof. Smeet Thakur, Prof, Anup Burange Placement Coordinators, Prof. Ankur Mahalle and Prof. Saleha Saudagar, Training coordinators of IT Department were present for workshop. It was 3 hours' workshop in which program started with welcoming to HOD, IT, Dean T&P and all faculty members and students by Dr. Pranjali Deshmukh and she explained all training phases to be conducted right from second year. She explained all phases of CRT training form second year which covers Basic aptitude training ,softskill training in second year, Basic technical training and advance aptitude training in third year and advance technical training , brush up trainings in final year. She explained the importance of CRT training for placement point of view. Dr. Nikku khalsa elaborated on forthcoming placement opportunities for students and preparation needed to get placed in Eminent MNCs. He also told about last year placement ratio, companies visited in campus, AMCAT test and opportunities through it. Prof. Shrikant Deshmukh explained on data needed for placement purpose and also elaborated on how to fill data for companies.
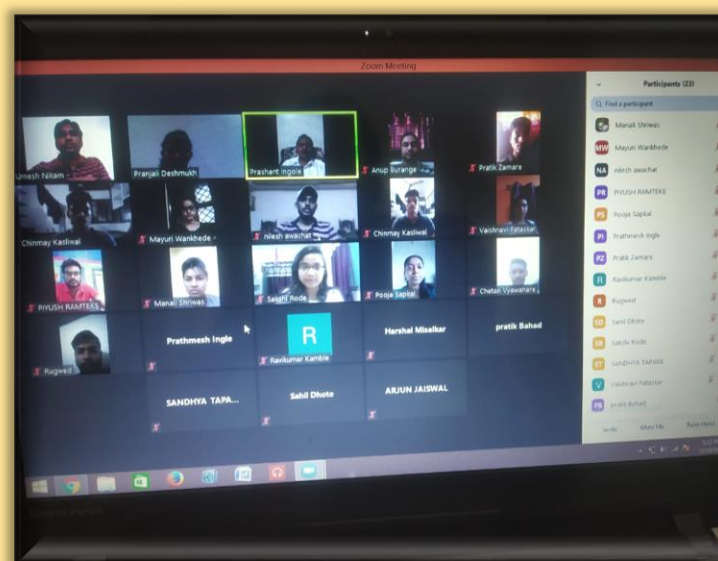
It was totally interactive session and students raised many queries related CRT training and placement scenario. T & P team explained and resolved their queries and questions satisfactorily.

Two days online workshop on AI & Machine Learning Workshop by Ctronics InfoTech Pvt. Ltd

The Department of Information Technology, Prof. Ram Meghe Institute of Technology and Research, Badnera in collaboration with Ctronics Info Tech Pvt. Ltd. has organized two day's Workshop on 5th -6th September 2020 for B. E Third and Final year students.

Mr. Shrikant Pande and his technical team conducted this online workshop on Google meet platform. They have conducted daily 3 hours in afternoon session. Total 57 students participated for the workshop. Workshop was inaugurated in the presence of Dr. P. V. Ingole ,HOD Information Technology, Workshop Coordinator Prof. Gaurav Wadnere, Dr. P. P. Deshmukh and Mr. Shrikant Pande, Director Citronics Pvt. Ltd. Many faculty members of IT department were virtually present for workshop.

Aim of conduction of this technical workshop was to make students technologically sound in AI and Machine Learning. Today, the amount of data that is generated, by both humans and machines, far outpaces humans' ability to absorb, interpret, and make complex decisions based on that data. Artificial intelligence forms the basis for all computer learning and is the future of all complex decision making. As an example, most humans can figure out how to not lose at tic-tac-toe (noughts and crosses), even though there are 255,168 unique moves, of which 46,080 end in a draw. Far fewer folks would be considered grand champions of checkers, with more than 500×10^{18}, or 500 quintillion, different potential moves. Computers are extremely efficient at calculating these combinations and permutations to arrive at the best decision. AI (and its logical evolution of machine learning) and deep learning is the foundational future of business decision making. Keeping this importance of AI and Machine learning in current requirement in industry and in day to day life workshop was planned and trainers covered basic and important part of course and also covered algorithms. Workshop was appreciated by students as well as faculty members.

Students attending Online workshop on AI &Machine Learning Workshop by Ctronics InfoTech Pvt. Ltd

One day online workshop on Machine Learning & Data Science with Python by Ibase Electrosoft LLP

The Department of Information Technology, Prof. Ram Meghe Institute of Technology and Research, Badnera in collaboration with Ibase Electrosoft LLP, Amravati has organized one day's Workshop on for B. E Third and Final year students on 19th September 2020. Mr. Nakul Deshmukh and his technical team conducted this online workshop on Zoom platform. Total 77 students participated for the workshop. Workshop was inaugurated in the presence of Dr. P. V. Ingole ,HOD Information Technology, Workshop Coordinator Prof. Smeet Thakur , Dr. P. P. Deshmukh and Mr. Nakul Deshmukh, Director Ibase Electrosoft LLP, Many faculty members of IT department were virtually present for workshop.

Trainer explained the importance of Machine learning ad Data science in Engineering industries. In the 21st Century, two terms "**Data Science**" and "**Machine Learning**" are some of the most searched terms in the technology world. From 1st-year Computer Science students to big Organizations like Netflix, Amazon, etc are running behind these two techniques. And they also got the reason. In the world of data space, the era of **Big Data** emerged when organizations are dealing with petabytes and exabytes of data. It became very tough for industries for the storage of data until 2010. Now when popular frameworks like **Hadoop** and others solved the problem of storage, the focus is on processing the data. And here Data Science and Machine Learning play a big role. Machine Learning is a field of study that gives computers the capability to learn without being explicitly programmed. Machine Learning is applied using Algorithms to process the data and get trained for delivering future predictions without human intervention. The inputs for Machine Learning are the set of instructions or data or observations. Machine Learning is used extensively by companies like Facebook, Google, etc. Keeping this importance of Data Science and Machine learning in current requirement in industry and in day to day life workshop was planned and trainers covered basic and important part of course and also covered algorithms. Workshop was appreciated by students as well as faculty members.

Workshop on conduction of online classes on Webex using Moodle

Department of Information Technology, Prof. Ram Meghe Institute of Technology & Research Badnera conducted workshop for faculty members on "Conduction of online Classes on Webex using Moodle platform" on 8 October 2020. Due to COVID pandemic situation it was not possible to conduct offline classes, Institute developed moodle platform for online classes conduction and for other communications with students. Prof. Niketa Kadam Departmental Moodle coordinator in presence of Dr. P. V. Ingole ,HOD IT department and all faculty members conducted workshop to explain and train faculty members to conduct online classes , tests , quizzes , assignment of students using Webex through Institute Moodle platform. She also explained how to upload all notes, teaching materials for students, grade students in theory and practical, download and monitor the attendance of students. It was very informative session and user-friendly platform to conduct theory classes, practical session , tests , assignments and other required things.

All the faculty members and HOD appreciated efforts taken by technical team of college for developing such user friendly platform of and also Prof. Niketa Kadam for conducting very informative and interactive session.

Faculties attending workshop on Online conduction of classes using CISCO Webex using Moodle platform

Workshop on how conduct and evaluate online tests and practical on Moodle

Department of Information Technology, Prof. Ram Meghe Institute of Technology & Research Badnera conducted workshop for faculty members on "Conduction of online Classes on Webex using Moodle platform" on 22nd December 2020. Due to COVID pandemic situation it was not possible to conduct offline classes & practicals, Institute developed Moodle platform for online classes conduction and for other communications with students. Prof. Niketa Kadam Departmental Moodle coordinator in presence of Dr. P. V. Ingole , HOD IT department and all faculty members conducted workshop to explain and train faculty members to conduct online classes , tests , quizzes , assignment of students using Webex through Institute Moodle platform. She also explained how to upload all notes, teaching materials for students, grade students in theory and practical, download and monitor the attendance of students. She explained how to conduct mainly practical on Moodle platform. All possible software required to conduct technical practical are embedded in Moodle platform so that faculty can conduct and explain practical to students and student will also virtually perform the practical on given platform and execute it. It was very informative session and user-friendly platform to conduct theory classes, practical session, tests , assignments and other required things.

All the faculty members and HOD appreciated efforts taken by technical team of college for developing such user friendly platform of and also Prof. Niketa Kadam for conducting very informative and interactive session.

Research Publication

1. Dr. P. V. Ingole," Infusing Hexagonal Structures with Machine Learning for an Improved De-noising Systems" published in International Journal of Advanced Research in Engineering and TechnologyVol 11, Issue 12, December 2020

2. Dr. P. V. Ingole "Review of Fault Diagnosis System using Soft Computing Approach" published in International Conference on Data Analytics and Management : An Indo-European Conference (ICDAM-2020) published in Elsevier SSRN, 2020

3. Dr. P. V. Ingole "Implementation of Artificial Neural Network for the Fault Forecasting of Basic Gates" published in 1st World Congress on Optimization and Automation Techniques in Engineering and Management- (WCOATEM-20), October 2020

4. Dr. P. V. Ingole," Enhancing Performance of Image De-noising via Adaptive Hexagonal Structures" published in International Journal of Imaging and Robotics Vol 20, Issue 1, 2020

5. Prof. Sanjay V. Dhopte," Secured image sharing and Privacy Preserving in Social Network" published in International Journal of Innovative Research In Computer and Communication Engineering (IJIRCCE) Impact factor7.488, May 2021

6. Dr. A. S. Alvi," Detection and Prevention of Malicious activities in vulnerable Network Security using Deep Learning" published in International Conference on Recent Trends in Maching Learning, IOT, Smart Cities & Applications, March 2021

7. Dr. A. S. Alvi," A Survey of Crop Nutrients Deficiency Detection using Machine Learning" published in International Journal of Advance Engineering and Research Development Volume 7, Issue 08, August 20

8. Dr. A. S. Alvi," A Survey of Crop Nutrients Deficiency Detection using Machine Learning" published in International Research Journal of Engineering and Technology (IRJET), August 2020

9. Prof.Maithili S.Deshmukh," Detection and Prevention of Malicious Activities in Vulnerable Network Security Using Deep Learning" published in International Conference ICMISC 2021 organized by CMR Institute of Technology, Hyderabad, March 2021

10.Dr.Pranjali Deshmukh,"Virtual Memory Management using Memory Ballooning in OpenStack Cloud platform" published in The Eleventh International Conference on Computing ,Communication and Networking Technologies held at IIT Kharagpur India in association with IEEE Kharagpur Section, July 2020

11. Prof. Preeti . V. Dudhe," Development of machine learning models for suspicious data in mobile forensic" published in ADALYA JOURNAL An UGC-CARE and Web of Science Journal ISSN NO: 1301-2746, June 2021

12. Prof. Niketa V Kadam," Comparative Approach to study the effect of sound frequency on plant growth with DIP" published in 3rd Annual international Conference on Innovative Engineering-Inyelligent System Integration(ICISI 2021), July 2021

13.Prof R. M. Hushangabade," ADAPTIVE COMPUTER STRATEGIES IN GAME PLAYING USING ARTIFICIAL INTELLIGENCE" published in International Engineering Journal For Research & Development(IEJRD, July 2020