ENGINEERING FOR SOCIETY...

NOBLE GUIDANCE:

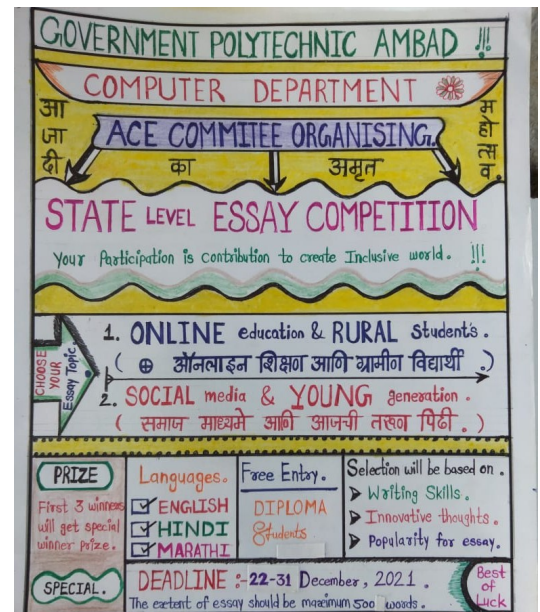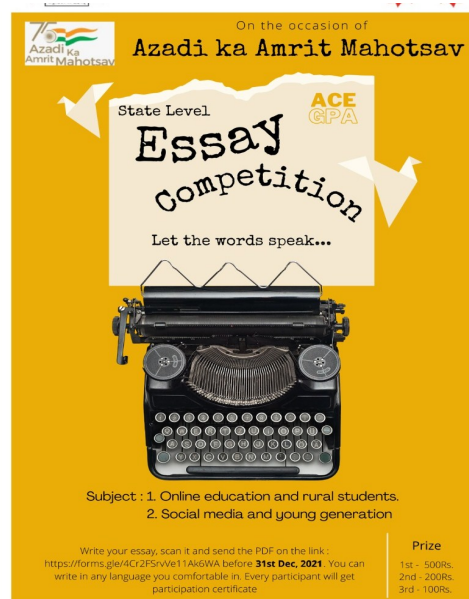- **Dr. A.M. Jinturkar (Principal)**

Department of Computer Engineering

State Level Essay Competition

Under the initiative of "Azadi ka Amrit Mahitsav" and for creative engagement of students, Department of Computer Engineering in association with ACE (Association of students) organized a State level essay competition for diploma students of all branches. The event was organized during 22nd to 31st December, 2021. The topics for essay were Social media and young generation and Online education and rural students. The event got 101 entries from 14 different polytechnic colleges in Maharash-

tra. The event carried out in two rounds. There were 101 entries for the first round. Out of that top 20 participants are chosen for the second round and finally three winners are chosen. In this competition first prize given to Ms. Anisha Anant Nemade from Government polytechnic, Aurangabad. Second prize shared by Chaitanya Bhimrao Bhosale and Ms. Sanika Kiran Thorat from Govenment polytechnic, Karad. Third prize shared by Ms. Sadiya Anwar Shaikh and Ms. Riya Dipak

Pudat from Govenment polytechnic, Ambad. The coordinators Porf. A. V. Wankar and Prof. A. H. Jadhav, coordinators from students Mr. Aditya Ekhande, Vyanktesh Kulkarni and Ms. Sadiya Shaikh and all the members of Association of Computer Engineering took efforts for the arrangement and successful execution of the event. Principal of the Institute Dr. A. M. Jinturkar congratulated the winners, participants , students and staff of the department for organizing and successful execution of this event.
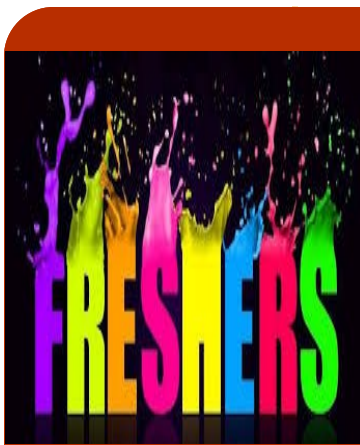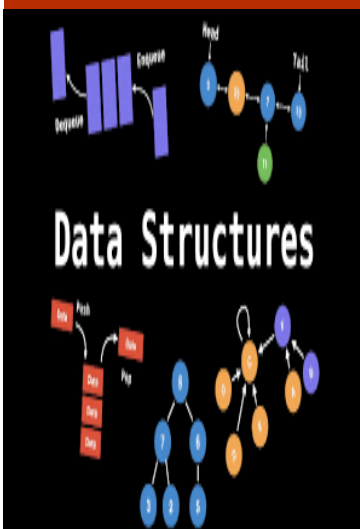
Fresher's Welcome

Fresher's Welcome

Fresher's welcome is the occasion where seniors and juniors bond and unite to celebrate being part of the institute. The purpose of Fresher's Party is to welcome new students in a friendly atmosphere and to encourage their creative impulses to boost their confidence. So to welcome the first year students to the department, senior students organized a virtual fresher's party, Fresher's 2021. This event was organized on 21st November 2021 and conducted through Google meet. Event started with welcome of first year students by the third and second year students. After that an informative video about the department is shown. Then a few words of wisdom are shared by Prof. S. M. Bankar, in-charge head of the department. Then new comers are given an opportunity to introduce themselves. Apart from this senior students have organized a series of fun filled games enjoyed by all the students. And in between the games there were some performances by students. It is followed by experiences from couple of senior students and finally vote of thanks. The extra curricular activity coordinator, Prof. A. V. Wankar, and the members of association took efforts for the organization and successful execution of the event.

Expert Lecture on Importance of Data Structures

Data Structures

Data Structures are necessary for designing efficient algorithms. Computer engineering students should have good knowledge of it. So on 20th November, 2021 an expert lecture was organized for Computer Engineering students. The valuable resource person for the expert lecture was Mr. Kishor Bhosale, Backend Developer, Credit Su. About 79 students of Third Year and Second year attended the lecture and gained the knowledge and experience shared by the subject expert. In this lecture Mr. Kishor Bhosale discussed about the various data structures used in the programming along with the points like how to use appropriate data structure so that it help programmers to save a good amount of time while performing operations such as storage, retrieval or processing of data. He also explained about manipulation of large amounts of data easily using the different data structures. The coordinator Prof. S. M. Bankar took efforts for the arrangement and successful execution of the lecture.

Student Association Formation

Every year Department of Computer Engineering forms "Association of Computer Engineering – ACE" committee for conduction of various activities in the department. President, Vice-President, Secretory, Joint Secretory, Treasurer are important posts assigned to students. The formation of ACE committee for academic year 2021-22 is done online through Google form. The applications are invited and the process of election for different posts is carried online. Prof. S. M. Bankar, in charge HOD, Prof. A. V. Wankar, coordinator and all staff members of the department congratulated President, Vyanktesh Kulkarni, from Third year, Vice president, Sadiya Shaikh from Second year, Joint Secretary Vishal Jadhav and other elected students for different posts and suggested them to take new program initiatives in upcoming semester. The other members of the ACE are Treasurer - Krushna Bhosale, Event manager - Ashwini Gire, Speaker - Nikita Chawel, and Piyush Chopade, Editorial coordinator Aditya Ekhande and co -coordinator Pooja Sable. Different programs and activities are conducted by the committee. The various activities which are conducted through the association are Expert lectures, Industrial visits, Parents meet, Tree plantation and Teachers day celebration etc. and other co-curricular and extra curricular activities.

Expert Lecture on Preparation of Competitive Exams

The best way to predict your future is to create it. - Abraham Lincoln

The competitive exams build confidence and develop skills among the students. It helps to think logically and analytically. So to encourage the students to appear for different competitive exams, an expert lecture on Preparation of Competitive Exams was organized on 19th November, 2021. The valuable resource person for the expert lecture was Mr. Sameer Mahajan, IPoS having All India Rank 810 in UPSC, 2018. Total 71 students of third year and second year attended the lecture and gained the knowledge and experience shared by the expert. In this lecture Mr. Mahajan discussed about how to prepare for UPSC exam. He shared some important tips and suggested to work hard as nowadays, competition is getting tougher day by day. It requires a lot of hard work, dedication and most importantly, consistent efforts to crack any competitive exam. The coordinator Prof. S. M. Bankar took efforts for the conduction of the expert lecture.
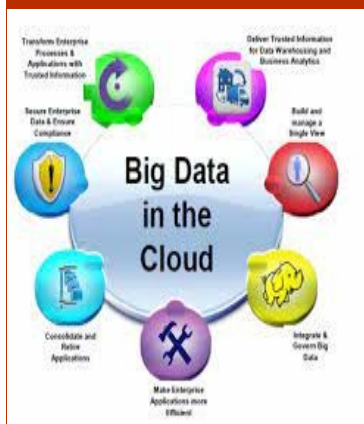
Student Participation and Acievements

Extracurricular activities and competitions help students to find opportunities to explore different areas of interest, increase self-confidence, build leadership skills. Students of the Computer Engineering department participated in the various State level, Institute level events and competitions. Wavdhane Amruta Vashisht, Piyush Sunil Chopade, Vaishnavi Rameshwar Burkule, Katare Rutuja Sharad participated in the State level essay competition organized by Department of Computer Engineering, Government Polytechnic, Ambad and in this competition Shaikh Sadiya grabbed third Prize. Jadhav Vishal Pralhad, Rahul Ramkrushn Vanve, Vaishnavi Rameshwar Burkule took part in the General Knowledge Quiz Competition on Rajmata Jijau organized by College of Engineering and Technology, Jalna. Supriya Sudhakar Muley participated in Rangoli making competition under "Azadi ka Amrit Mahotsav" , an initiative of the Government of India. Jadhav Vishal Pralhad took part in the Quiz competition on Indian constitution organized by Young Inspirators Network and College of Engineering and Technology, Jalna. Ajay Bandu Kotambe participated in speech competition organized by Electrical department, Government Polytechnic, Ambad and in this event Shaikh Sadiya Anwar grabbed the first prize. Prof. S. M. Bankar, in charge HOD and all staff members of the department congratulated the participants and winners.

Expert Lecture on Big Data Computing
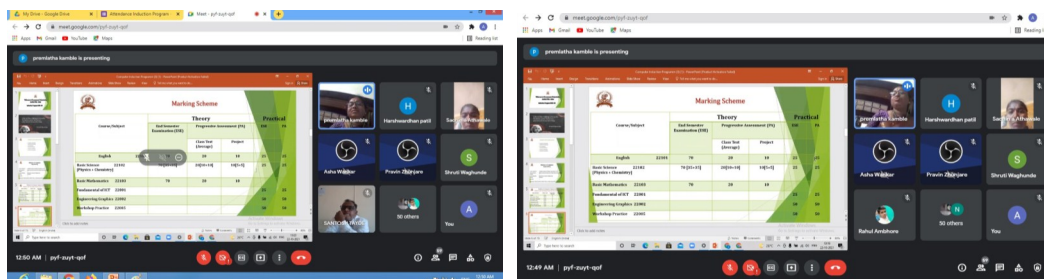

Expert lecture on Big Data Computing

Big data is one of the emerging technology in the field of computer science. So for the knowledge enhancement of the students online expert lecture on Big Data Computing is conducted by the department of Computer Engineering. The expert lecture is conducted on 1st October, 2021. This lecture is delivered by Prof. Pratap Mohanrao Mohite, HOD & Asst. Professor, Hi-Tech Institute of Technology, Aurangabad. Total 64 students of third semester and fifth semester attended this lecture and gained the knowledge and experience shared by the subject expert. In his expert lecture Prof. Pratap Mohite elaborately discussed about all the aspects related to Big Data Computing. He explained how Big Data Computing treats ways to analyze, systematically extract information from, or otherwise deal with data sets that are too large or complex to be dealt with by traditional data-processing application software . He focused on the characteristics, architecture and application of big data computing by giving several examples along with videos and power point presentation. He also discussed the importance of Big data computing in the different sectors. Due to this expert lecture the students got exposure to one of the important technology. The coordinator Prof. S. M. Bankar took efforts for the arrangement and successful execution of the lecture.

Online Induction Program

Online Induction Program

The main purpose of induction program is to integrate new students into the institute and make them understand the systems and procedures followed by the organization. So in order to help newly admitted students to settle down quickly in the new environment, and to give them a sense of belonging, department has organized 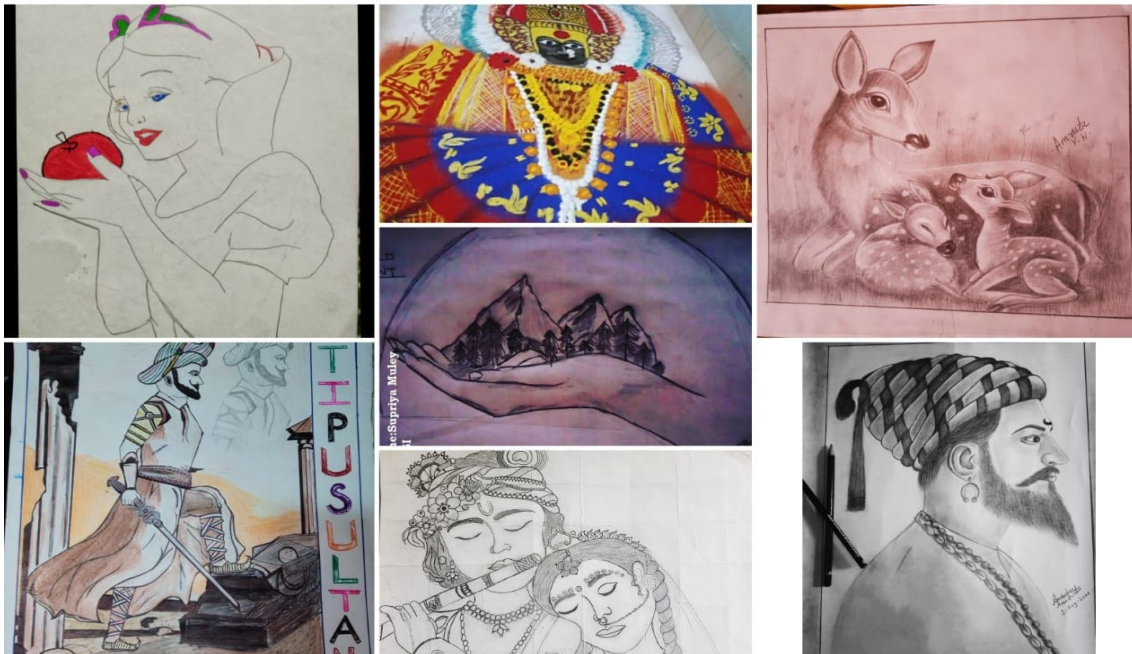an Online Induction Program. This program was organized on 22nd October 2021 and conducted through Google meet. Total 56 students attended the program. Event started with a welcome note by Prof. A. V. Wankar. Then Hon Principal Dr. A. M. Jinturkar addressed the students. After that an informative video about the department is shown. Then the details about the department and activities are shared by Prof. S. M. Bankar, in-charge head of the department. After that Prof S. G. Tayde, in-charge head of department of Science and Humanities expressed his views. After that the queries of students are answered by faculties of the department. At last the program was concluded with vote of thanks by Prof. P. Y. Kamble from department of Science and Humanities.

Online Art Gallery

Art Gallery is a good medium for students to show case their talents and hobbies. Students of the department show cased good pieces of arts in the Online Art Gallery. Amruta Wavdhane, Isha Kulkarni, Supriya Mule, Bharti Patharkar, Dipali Kachare, Ashwini Gire, Pratiksha Bhosale and Sadiya Shaikh show cased good drawings and sketches. Prof. A. V. Wankar and Prof. A. H. Jadhav coordinated the activity of the Online Art Gallery of the department.

Motivation is what gets you started. Habit is what keeps you going. - Jim Ryun

*** Congratulations ***

for being 1st and 2nd Toppers in Winter-2021 Exam

First year
1) Kulkarni Isha Dinesh

2) Jadhav Nikita Pralhad

Second year
1) Sadiya Anwar Shaikh

2) Garud Pallavi Nivrutti

Third year
1) Kotambe Mahesh Ganesh

2) Raut Adinath Narayan

2) Sahane Krushna Ankush

Program Education Objective (PEOs)

PEO1: Provide socially responsible, environment friendly solutions to computer Engineering related broad- based problems adapting professional ethics.

PEO2: Adapt state-of-the-art computer engineering broad-based technologies to work In multi-disciplinary work environments.

PEO3: Solve broad-based problems individually and as a team member Communicating

Program Specific Outcomes (PSOs)

PSO1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

Program Outcomes (POs)

1. Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. Program analysis: Identify and analyze well-defined engineering problems using codified standards methods.

3. Design/Development of Solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and measurements.

6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. Life-Long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.