

2022

Newsletter

Government Polytechnic
Aurangabad



Newsletter 2022

Computer Engineering Department



Swatantryacha Amrut Mahotsav

GOVERNMENT POLYTECHNIC, AURANGABAD

(An Autonomous Institute of Government of Maharashtra)



THE INSIDE STORY



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Prof. S.S.Jaiswal

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Newsletter 2022

Computer Engineering Department

EDITORIAL COMMITTEE



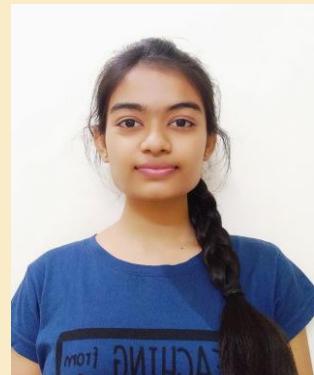
Prathmesh Deepak Rane



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Newsletter 2022

Computer Engineering Department

GOVERNMENT POLYTECHNIC, AURANGABAD

(An Autonomous Institute of Government of Maharashtra)



Our Vision :

A center of excellence in the domain of Computer Science & Engineering to cultivate “digital artifacts” for society

Our Mission :

To impart education in computer hardware and software required for industry and business. Developing skills resembling problem solving, interpersonal skill, high order thinking skill and logical reasoning for entrepreneurship and employment. Developing values and ethics for lifelong learning in the system environment.

Computer Engineering Department

From Principal Desk...



Prof. M.M.Ganorkar

Today, the role of a Department is not only to pursue academic excellence but also to motivate and empower its students to be lifelong learners, critical thinkers, and productive members of an ever-changing global society.

More than a decade back Saffron pledged to transform education

Best wishes & Greetings for Students and staff of Computer Engineering Dept. The Newsletter issue for the new year has been aptly and quintessentially chosen for our students of and Telecommunication. Academics of Computer Engineering is a shared commitment between dedicated teachers, motivated students and enthusiastic parents with high expectations.

Institute provides an atmosphere to our students for multifaceted development, where children are encouraged to channelize their potential in the pursuit of excellence. I Congratulate to Students staff for bringing this E News Letter .

“ Education is the most Powerful weapon which you can use to change the world ”
- Nelson Mandela

Computer Engineering Department

From HOD Desk...



Prof. D.S.Sonawane

The talents, skills, and abilities of each student need to be identified, nurtured, and encouraged so that he / she is able to reach greater heights. The Polytechnic education system has witnessed an unprecedented expansion. The infrastructure in terms of physical facilities and equipment is worth about \$1 billion at current prices. The newly booming programs like Digital India, make in India, Skill India, Start-up India have created a ray of hope for all technocrats.

Dear students we are bringing E News letter for our department , this academic year . I just want to say that we provide an atmosphere to our students for multifaceted development, where our students are encouraged to channelize their potential in the pursuit of excellence. This can only be possible in a holistic, student centric environment.

Students pursuing technical education and those who have successfully completed their degree or diploma courses now see a new horizon, a beyond imagination aura of dreams and targets to be achieved. Under all these support schemes by the government like the hackathon a student idea is not only encouraged, but cherished and pursued till its successful implementation towards the benefit of the individual and the society as a whole.

Computer Engineering Department

From HOD Desk...

Many student projects are sponsored, even the complete technical education of the student is funded by the government, what is needed from the students is a total devotion, dedication and commitment towards their goal. The All India Council for Technical Education is committed towards its Moto of ?Yogah Karmah Kaushalam?, meaning ?Excellence in Action?, actions targeted for the development and empowerment of the Nation as whole.

“ Education is the key to unlock golden doors of freedom ”

- George Washington

Computer Engineering Department

Faculty Talk...



Prof. S.S. Jaiswal

I feel ecstatic authentically provide a platform for unleashing the intellectual insightism general accomplishment for the Computer Department. It would not only serve as a vent to express the complete reflection of departmental activities but also an avenue to share academically the required input. This catagorically intends to endorse the departmental activities at varous levels. we generally fail to remeber & ackanowlede the routin things but now this newsletter will provide space for all individual and department to present thing. With our college & departmental suppot I am trying to motivate and encourage the hidden talent of our student & staff.

Computer Engineering Department

Alumni Talk...



When I first entered GPA I was anxious about my future. Over the three years, so many doors were opened for our personal and academic development that I became confident. The college aims at enhancing our knowledge, skills and abilities. It, in fact, didn't leave the attitude part behind as well. These years at GPA are the best years concerning learning, experience and gaining exposure to fields relevant to my discipline, all due to my faculty member.

This endeavor will lead our college to incredible heights. Life in GPA was nothing less than a roller coaster ride, full of ups and downs one can imagine. But throughout the journey I have learned a lot. It has provided me with some great opportunities which helped me improve myself in every aspect as a student, as a senior, as a friend, as a sportsperson, as a leader and most importantly as a professional. Experience in GPA have helped me sharpen my skills in my field of choice by providing fully equipped labs where I could practice and learn. Apart from this being a part of student panel helped me improve my managing skills along with technical. In all I had a great learning experience and have learnt some very important lessons in life which will help me to grow in future as well.

Computer Engineering Department

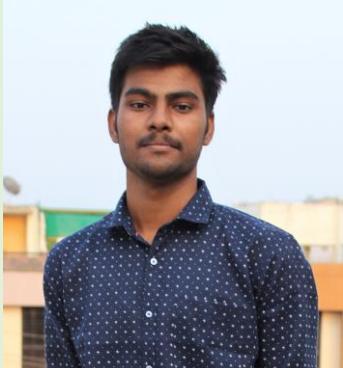
Students Talk



"Why to choose a Technical Education?" definitely a good question and according to my knowledge Technical Education is not only science but its an art. It is the way in which the people can think in more innovative ways & come out with best possible outcome. so many people want to take up technical because of their

explorative nature but also one of the biggest truth is that the people take up technical just because of their parents will . But I decided Technical Education because of there is a lot of learn in this field .Its a medium to communicate with the world .More importantly, this field has the maximum chances of job opportunity and one more thing is day to day technical skills are easily learn. So because of this I prefer the technical field.

Prathmesh Rane – 3rd Year CO



The main aim to choose technical Education is that it specializes the students as skilled labors and technically fit in the industries. The general education schemes are replaced by technical education as there are 100 of opportunities for carrier and employment. It imparts the knowledge very strongly from basics to advance scenarios .

The technical Education can regenerate the human society instead of bare hands with machines & technology. It promotes self learning, tune the student effectively & increases the potential of students. Even though I am technical student I have developed my personality, communication skills along with technical knowledge

Rahul Shinde – 3rd Year CO

Computer Engineering Department

Faculty of Computer Engineering Department



Prof. S.S. Jaiswal
M.E.(CSE)



Prof. P.V. Sontakke
M. Tech (CSE)



Prof. R.N. Jangle
B.E.(CSE)



Prof. P.S. Hiwale
M.E.(CSE)



Prof. V.B. Patil
M.E.(CSE)



Prof. G.U. Jadhav
B.E.(CSE)

Computer Engineering Department

Computer Engineering Department



Computer Engineering Department

Events and Activities

Women's Day Celebration

08/03/2022



The first event on 2nd March was the Twins day competition, where girls from various branches participated by twinning their costumes with their friends. CO girls participated with great excitement and also explained the theme they planned their twinning on. On 3rd March, the second day of carnival was celebrated with the matching hairstyle and earring competition.

International Women's Day is a global Day celebrated annually on March 8 to commemorate the cultural, political, and socioeconomic achievements of women. Government Polytechnic, Aurangabad celebrated Women's day with the organization of Women's day carnival week. Starting from 2nd March till 8th March, special events were conducted for women's of GPA.



Computer Engineering Department

Events and Activities

Women's Day Celebration

08/03/2022

Excitement for the second day was greater and girls participated by decorating their hairs with various accessories. Events for women faculty members were also conducted such as 5 minute free hand rangoli making competition, where women faculty members participated actively. Dress codes were arranged for girls of GPA, which added to making the Womens day carnival more special.



On 4th March, Video making competition was held. Girls participated by creating videos of 3-4 minutes of speech on Women Empowerment. The 5th of March brought up two competitions- Poster presentation and Mismatch day. The day following had rangoli competition. Girls created beautiful rangolis, each depicting the importance of women empowerment.

Computer Engineering Department

Events and Activities

Women's Day Celebration

08/03/2022



The final day of the Carnival, 8th of March had various games and events for Girls and Women faculty Members. Musical chair competition conducted for Women received a great response. The evening brought up an expert talk program with the Deputy Collector of Aurangabad, Mrs. Anjali Dhanorkar. She provided an image of ideal women to the youth of the institute. With an inspirational speech she explained her life as a wife, mother, a working women and most importantly the balance in handling her personal and professional life. The program proceeded with the speech of Principal Mam, Smt. M. M. Ganorkar and Vice Principal, Dr. S. R. Bhasme. Their guidance and experience added to the thinking of youth about the limitless nature of women community. The coordinators of all the branches skillfully managed and organized the event and with joy, emotions and inspiration the Women's of GPA celebrated the International Women's Day.



Computer Engineering Department

Events and Activities

Expert Lecture : Internet Of Things 22/03/2022



The future of IoT has the potential to be limitless

Advances to the industrial internet will be accelerated through increased network agility, integrated artificial intelligence (AI) and the capacity to deploy, automate, orchestrate and secure diverse use cases at hyperscale.

IoT enables human-to-human, machine-to-machine, and human-to-machine interactions that will shape how our automobiles operate . IoT connected vehicles are now equipped with sensors allowing them to pick up information from their surroundings.



Computer Engineering Department

Events and Activities

Workshop : Internet Of Things

22/03/2022

During this expert lecture we explore lot of new stuff like Rasberipie, Arduino also we learn to create code for embedded programming. This gives us kick start to play with lot off hardware as well as software stuff. This lecture was delivered by **Mr.S.M.Kadam & Mr.S.H.Jadhav**

of Sandip Foundation, Nashik.



Computer Engineering Department

Events and Activities

Expert Lecture : Internet Of Things **22/03/2022**



Computer Engineering Department

Events and Activities

TechFest 2022

24/03/2022

We are well aware of the importance of Technical Fest for the college curriculum. Our TechFest gives young minds an opportunity to showcase their skills and compete with other likeminded individuals and the best talent will emerge as the winner.

 **GOVERNMENT POLYTECHNIC AURANGABAD**
(An Autonomous Institute of Govt. of Maharashtra-Estd. In 1955)
Website : www.gpabad.ac.in



CREATIVE CLASSROOM
Faculty Coordinator
❖ Prof. Shwetal Jaiswal
❖ Prof. Rahul Jangle

POSTER PRESENTATION
Faculty Coordinator
❖ Prof. Manoj Dhaygude
❖ Prof. Priya Sontakke
❖ Prof. Jayashree Patil

techFEST 2022
(Annual Technical Event)
Sponsored by
 Indian Society for Technical Education
 Sumago Infotech Pvt. Ltd.
24th March 2022

PRINCIPAL
Prof. M.M.Ganorkar

CHIEF COORDINATOR
Prof. D.S.Sonawane

ORGANIZED BY DEPARTMENT OF
COMPUTER ENGINEERING
INFORMATION TECHNOLOGY
ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING

LEAFLET DESIGNING
Faculty Coordinator
❖ Prof. Pravin Hiwale
❖ Prof. Mahesh Dahiwal

BLIND C CODING
Faculty Coordinator
❖ Prof. Vijay Patil
❖ Prof. Gajanan Jadhav
❖ Prof. Jitendra Joshi
❖ Prof. Sudhir Chavan

Computer Engineering Department

Events and Activities

TechFest 2022

24/03/2022

Techfest is amongst the most awaited techno cultural event being organized by the Computer Department of GPA. TechFest is truly a cultural extravaganza which is getting humongous participation and overwhelming response from the students across the departments



Techfest 2K22 was conducted on 23 March and 24 March which was held in Computer Engineering department. This year also we get an overwhelming response as usual from students with an extreme excitement as this year Techfest was held in college after 2 years of this covid pandemic.



Computer Engineering Department

Events and Activities

TechFest 2022

24/03/2022



TechFest2022 was sponsored by **Indian society for technical education** and **Sumago Infotech pvt.ltd** . TechFest 2022 involved various Competition such as **Poster Presentation, Creative Classroom, Blind C, Leaflet Designing.**



All the competitions were successfully conducted and winners were selected.

Winners will be given a trophy and certificates during PTA meeting. For every participant a participation certificate is provided to encourage them to comeback with more confidence to win the Techfest competitions.

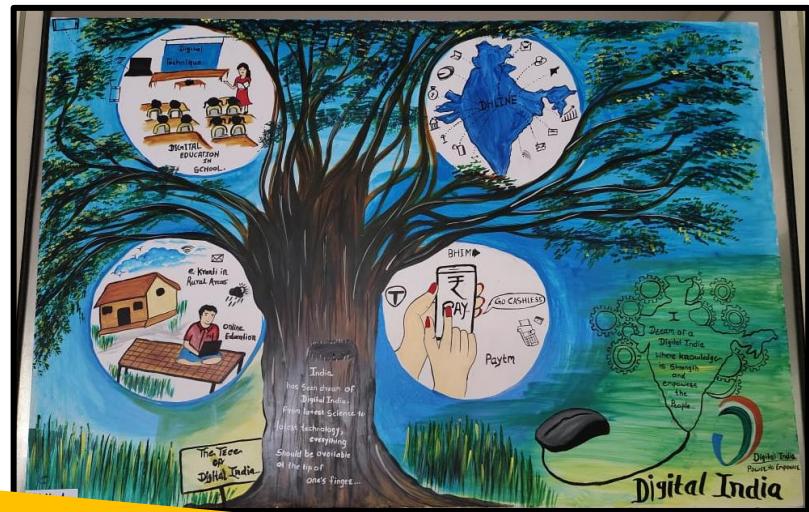
Computer Engineering Department

Events and Activities

TechFest 2022

24/03/2022

❖ Poster Presentation Competition -



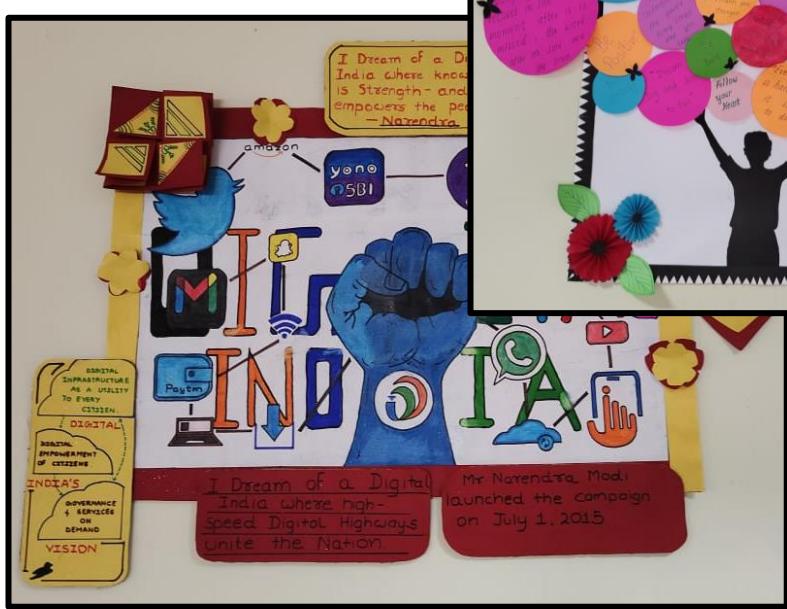
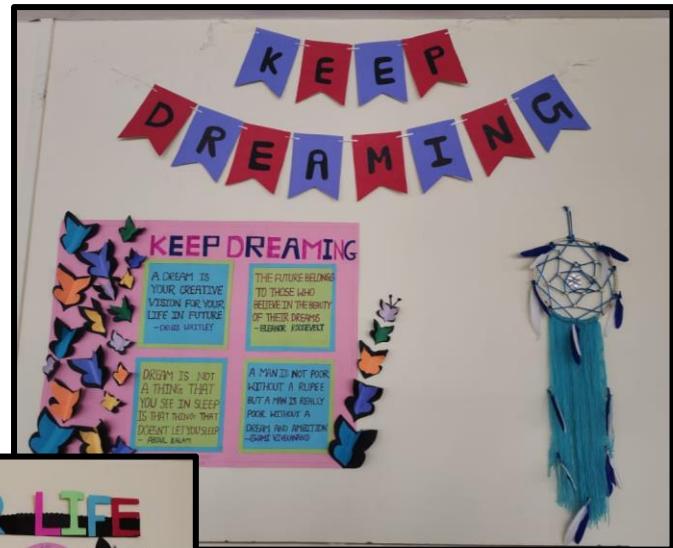
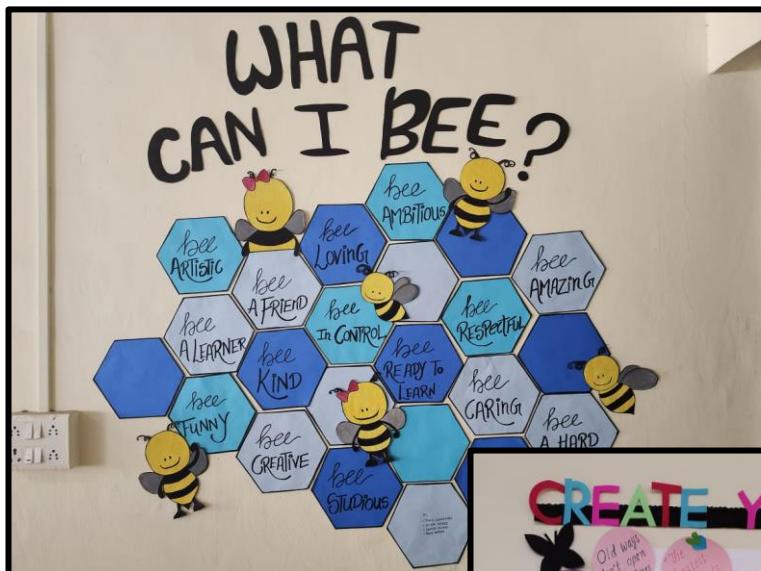
Computer Engineering Department

Events and Activities

TechFest 2022

24/03/2022

❖ Creative Classroom Competition -



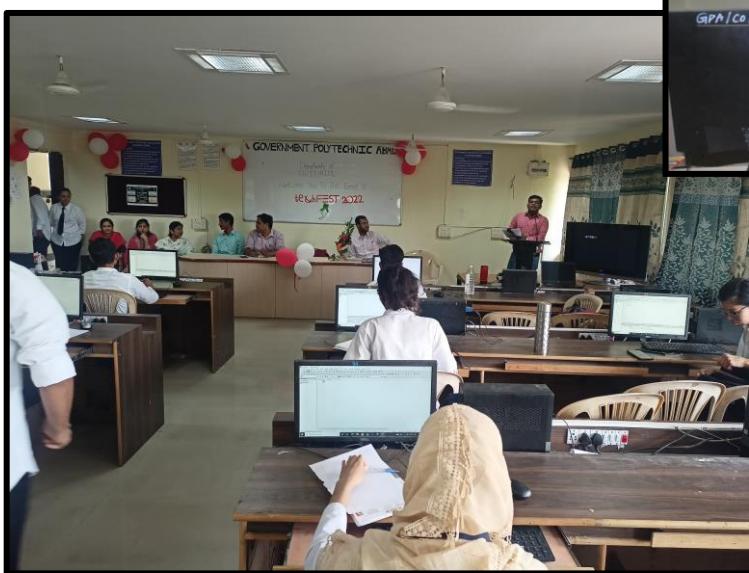
Computer Engineering Department

Events and Activities

TechFest 2022

24/03/2022

❖ Blind C Coding Competition -



Computer Engineering Department

Events and Activities

TechFest 2022

24/03/2022

❖ Leaflet Designing Competition -



The image displays two versions of a competition leaflet for "TECH-TANTRA 2K22".

Left Leaflet:

- GOVERNMENT POLYTECHNIC AURANGABAD**
- IS ORGANIZING**
- TECH TANTRA 2K22**
- NATIONAL LEVEL TECHNICAL EVENT** In Association with
- Maharashtra Board of Technical Education Mumbai** and **Indian Society for Technical Education (ISTE)**
- Our Vision**: To be the internationally accredited institute that contributes in the development of competent professionals, prepared to take the platform of technology based systems, blended learning through highly qualified and trained staff.
- Our Mission**: To educate and train globally competent professionals, prepare them to be skilled human resources through world class curriculum, student centric academic system, team of committed, trained faculty and staff contributing to the student's successful employment and entrepreneurship with a spirit of patriotism and concern for the environment.
- ON 24th April 2022**
- Venue :** Government Polytechnic Aurangabad
- Last Date of Registration** 16th April 2022
- SEMINAR PRESENTATION**:
 - Maximum 2 members
 - Maximum Duration 5 min
- FREE ! Entry**
- TECHNICAL QUIZE**:
 - Maximum 1 member
 - Technical Topic must be selected
- AWARDS**:
 - 1st Prize - 2000/-
 - 2nd Prize - 1500/-
 - 3rd Prize - 1000/-

Right Leaflet:

- YOU READY ??**
- TECH-TANTRA** National level Technical Event
- Organised by** Government Polytechnic Aurangabad
- COMPETITION AND RULES ARE AS FOLLOWS :-**
- SEMINAR PRESENTATION - MAXIMUM 2 MEMBERS**
- MAXIMUM DURATION IS 5 MINS**
- TECHNICAL QUIZ COMPETITION - 1 MEMBER**
- ABOUT US :- PURSUIT FOR EXCELLENCE.**
- IT IS OUR GREAT PLEASURE TO WELCOME YOU TO GOVERNMENT POLYTECHNIC, AURANGABAD WITH A LONG-STANDING REPUTATION IN PROVIDING TECHNICAL EDUCATION. WE ARE CONSTANTLY REVIEWING OUR SET UP TO UPDATE AND IMPROVE WHILE MAKING SURE THAT STUDENTS GAIN THINKING SKILLS, INTERPERSONAL AND COMMUNICATION SKILLS AND ANALYTICAL FRAMEWORKS WHICH WILL BE ADVANTAGEOUS TO THEM IN THE FUTURE.**
- LOCATION ----- GOVERNMENT POLYTECHNIC, OSMANPURA, AURANGABAD – 431005, MAHARASHTRA STATE, INDIA**
- +91-240- 2353644 (PRINCIPAL)**
- PRINCIPAL.GPAURANGABAD@GTE.MAHARASHTRA.GOV.IN**

Computer Engineering Department

Events and Activities

3rd year Visit To MCED

30/03/2022

Maharashtra Centre for Entrepreneurship Development (MCED) is a training institute for common people, who always dream to become an Entrepreneurs , to add value to their lifestyle. MCED from the year 1988, created so many successful entrepreneurs in the society, the entrepreneurs were proved such an asset to the society that they not only developed themselves and their family but also they touched too many life's in the society by helping other to fulfil their dream either by providing them employment or by selflessly motivating them to become entrepreneurs like them.



Computer Engineering Department

Events and Activities

3rd year Visit To MCED

30/03/2022

Maharashtra Centre for Entrepreneurship Development not only provides the quality entrepreneurship training but also provides the handholding support to all the trainees unless and until their dreams become reality.

With some sponsoring agencies like Directorate Of Industry, District Industry Centre, Department of Science and Technologies, Ministry Of Textile, National Institute of Micro, Small and Medium Enterprises, Agricultural Department, Tribal Department, National Institute of Design, etc.



MCED used to provide free quality training courses to the trainees under different age groups between 18 years to 45 years and with minimum educational qualification of 7th std pass trainees to Post Graduate trainees as per the requirement of the different sponsoring agency.

Computer Engineering Department

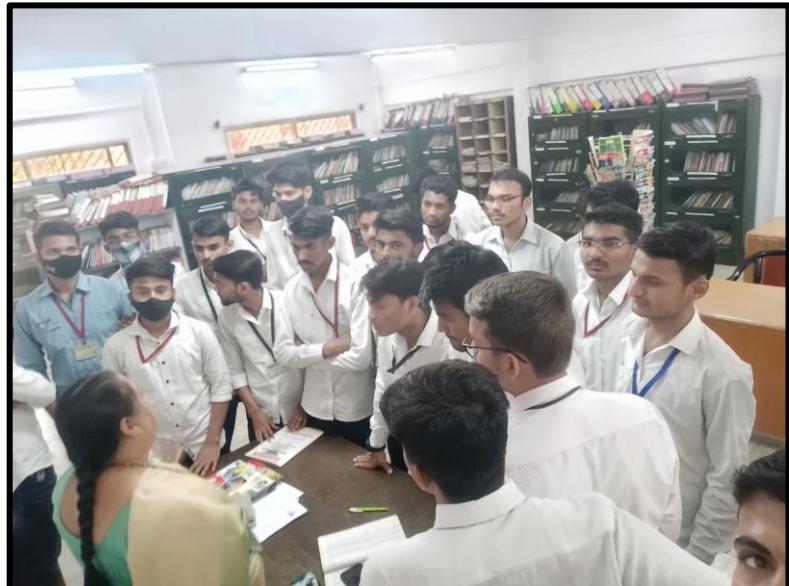
Events and Activities

3rd year Visit To MCED

30/03/2022

We visited at MCED Aurangabad which is main branch of MCED Maharashtra which is located near Government college of pharmacy, Osmanpura.

MCED visit was conducted on 30 March, During this visit we observe the overall infrastructure, library, facilities and training methods for new entrepreneurs. MCED officers also provided us a great impactful speech on how to be entrepreneur? and why to be a entrepreneur? which is never forgettable by us.



Computer Engineering Department

Events and Activities

Blood Donation Camp

31/03/2022



Blood donation camp was organized in Government polytechnic Aurangabad. This event was held in the Gymkhana hall of the college and students of all departments participated in the event by donating Blood



Many students and Staff from Computer Engineering Department Donated Blood this event gave a motivation to all the students to extend a helping hand to the needy .

Computer Engineering Department

Events and Activities

2nd Year Visit To NIELIT

08/04/2022

The Computer Engineering department of Government Polytechnic, Aurangabad, organized an industrial visit for the second year students of CO, to the NIELIT Institute of Aurangabad. NIELIT stands for National Institute of Electronics and Information Technology, which is affiliated to the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. The visit was organized on 8th April 2022, from 11.00 am to 1.00 pm.



Computer Engineering Department

Events and Activities

2nd Year Visit To NILET

08/04/2022

The visit started with the instructions from the Executive Director of NIELIT institute, Dr. Sanjeev Kumar Gupta. He is an Alumnus of BITS Pilani and NIT Kurukshetra. He is a renowned Engineer, Technocrat and Administrator, a Research guide in the subject of Computer Science and Engineering under the Faculty of Science and Technology, Dr. Babasaheb Ambedkar Marathwada University. In his professional career spanning over 25 Years he has worked as a Team Leader for automation of number of Govt. Departments, has taught PG level students as an Academician and has worked as Director of NIELIT Centers. His words reflected his experience which influenced the young engineers to learn at every

walk of their life. He explained the various emerging fields in Computer Technology with the future point of view of each. The students were then proceeded towards the visit to the different labs present in the institute. All the classrooms and lab in the Institute are well connected with central switching center and have 100Mbps NKN Link. For academic and research purpose there is also a facility of a mini Data center having CISCO frame with 4 Numbers of blade servers. So the Institute's Central Networking Lab was the next stop to demonstrate the mini server and inform to the students about the components present in the server for networking of all the computers present in the institute.

Computer Engineering Department

Events and Activities

2nd Year Visit To NILET

08/04/2022

The NIELIT faculty, explained the hardware structure of the server including the requirements for LAN connection viz switch and router. Optical cables with 10 gb/s speed are used for connection and the Switch and Router were explained to be of CISCO and Juniper respectively. The authorities explained about the use of Firewall, Multiplexar, Virtual Server, the Server attach network, etc. The students were then taken to the PCB labs of the Institute developed for designing the Printed Circuit Board prototypes. The Laboratory has all standard equipments including optical high speed drilling m/c and Plating machine for fabricating single and double sided PCBs. A CNC-milling machine for fabricating prototype PCB has been installed in this Laboratory as well. Later, the Yellow room and Dark rooms were



also visited which are used for the light sensitive processes and its components were explained by the NIELIT faculty member. The visit was planned with the vission of enlightening students about the actual implementations of what they learn theoretically and the cooperation of the authorities in NIELIT was remarkable.

Computer Engineering Department

Events and Activities

Expert Lecture On EDP

08/04/2022



Another essential factor of this process is to improve the capacity to manage, develop, and build a business enterprise keeping in mind the risks related to it.

In simple words, the entrepreneurship development process is about supporting entrepreneurs to advance their skills with the help of training and coaching classes. It encourages them to make better judgments and take a sensible decision for all business activities.

Entrepreneurship development is the means of enhancing the knowledge and skill of entrepreneurs through several classroom coaching and programs, and training. The main point of the development process is to strengthen and increase the number of entrepreneurs.

This entrepreneur development process helps new firms or ventures get better in achieving their goals, improve business and the nation's economy.



Computer Engineering Department

Events and Activities

Expert Lecture On EDP

08/04/2022

EDP expert lecture was conducted on 08 April 2022 held at CO Seminar Hall. This Expert brought a motivation among students some with realities that what does exactly an entrepreneur means? The need to be an entrepreneur? Difference between Employee and Entrepreneur.

During this lecture Students had learned lots of new things. The lecture was delivered by **Prof. Prashant. L. Pandit** of Ps college of engineering Aurangabad.



Computer Engineering Department

Events and Activities

Expert lecture on Personality Development and Life Skills

29/04/2022

Expert Lecture on Personality Development and Life Skills was conducted by **Prof. Sanket Milke, Assistant Professor, MIT Aurangabad**, on 29 April 2022

This Expert lecture was conducted for the first year students in the computer seminar hall of the department.



All the students gained knowledge about Personality Development and Life Skills. Students showed a great interest by attending the session and making it an interactive one.

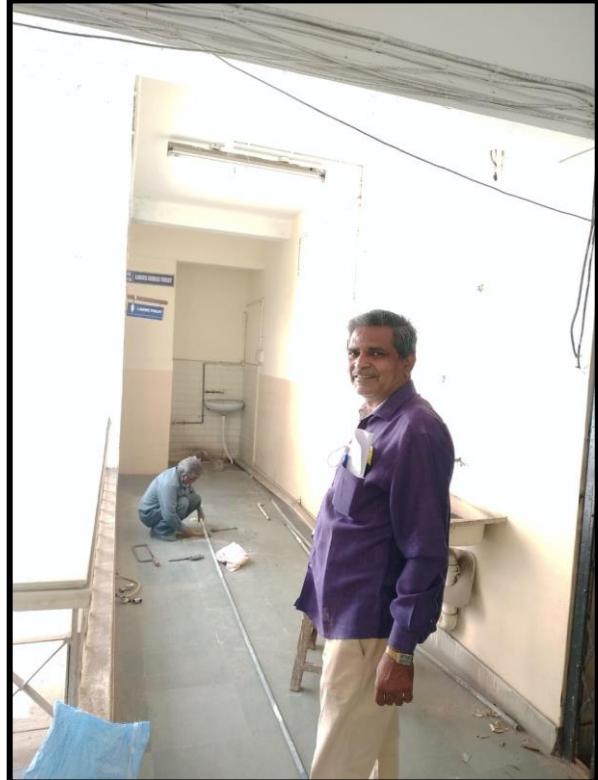
Computer Engineering Department

Events and Activities

Cleanliness and Maintenance Drive

The faculty members of the department organized a cleanliness and maintenance drive in the department.

All the staff and peon and along with the workers together worked cleaning the entire department and maintaining the washrooms, labs and classrooms



Computer Engineering Department

Events and Activities

Tree plantation Drive

Tree plantation drive was organized by staffs of all departments.

Many trees were planted in the campus area by faculty members. This activity aimed at making the campus clean and green in future and to create a pollution free atmosphere.

