

DEPARTMENT OF INFORMATION TECHNOLOGY

INFOBUZZ



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Bi -annual Newsletter

JULY 2020- DECEMBER 2020



PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Kurukshetra University, Kurukshetra)

IT DEPARTMENT

VISION

To create globally competent professionals by imparting quality technical education, research aptitude and analytical skills to meet challenges in IT industry, thus contribute to the welfare of society.

MISSION

M1: To nurture students with knowledge and programming skills of different IT domains necessary for development and testing of quality software solutions.

M2: To provide an integrated, responsive and comprehensive academic ecosystem with enhanced teaching and learning to promote intellect and excellence in research.

M3: To mentor students with applied problem solving and critical thinking leading to innovative and sustainable solutions to societal problems.

M4: To collaborate and exchange expertise with industry, research organizations and academic institutions.

PROGRAM EDUCATIONAL OBJECTIVES

- The graduates will have core competencies in IT fundamentals necessary to solve hardware, software and integrated engineering problems relevant to IT industries.
- The graduates will be proficiently engaged in development of IT products and services to cater to the industry needs or perform as innovators or entrepreneurs.

- The graduates will successfully pursue higher education or career paths in research.
- The graduates will professionally function with social awareness, responsibility and ethical norms.

PROGRAM SPECIFIC OBJECTIVES

PSO1

Design, develop and test software applications and project management solutions of real world problems.

PSO2

Be competent in emerging areas of Information Technology

EDITORIAL TEAM

FACULTY EDITOR



Ms. KARUNA RANI
M.Tech, B. Tech
(Assistant Professor)

STUDENT EDITORS

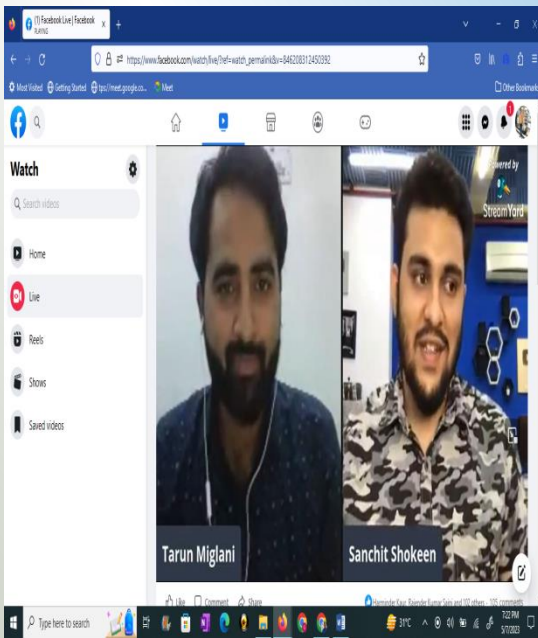
Sharon Alwin



Vaibhav Sangwan

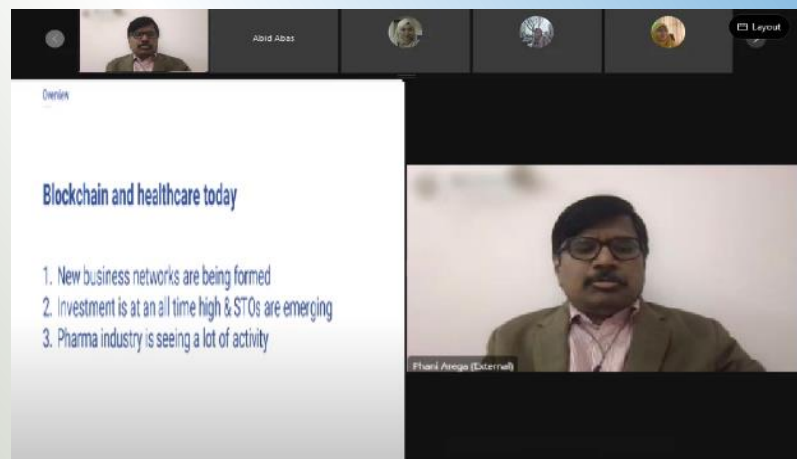
Career Development & Entrepreneurship: Quality content on social media

As a special treat to Indian Youtube enthusiasts, PIET is organising **Live** interaction with Our Proud Alumni & Youtube Sensation Mr. Sanchit Shokeen & Mr. Tarun Miglani (Anchor & Influencer) on the topic " Career Development & Entrepreneurship: Quality content on social media " on 18th July, 2020 at 12:15 PM on Facebook.



Role of Block Chain in Healthcare

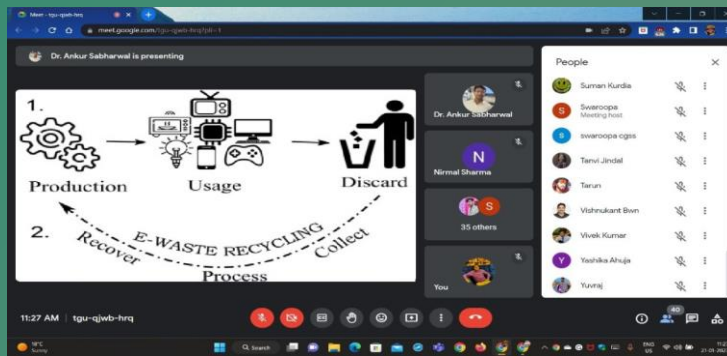
Department of Information Technology was organized an expert talk titled “Role of Block Chain in Healthcare” on Thursday, 18th August, 2020, Four main topics were covered in this expert talk,



namely; Secure and Scalable Decentralized Sharing of Medical Data using Blockchain Technology, Restructuring of the Medical Data for Blockchain-based Decentralized Sharing, Decentralized Sharing of Medical Data for Consultation among Healthcare Professionals, Acceptance among Health Professionals and Return on Investment of Decentralized Sharing of Medical Data and Data protection policy for Secured and Decentralized Sharing of Medical Data.

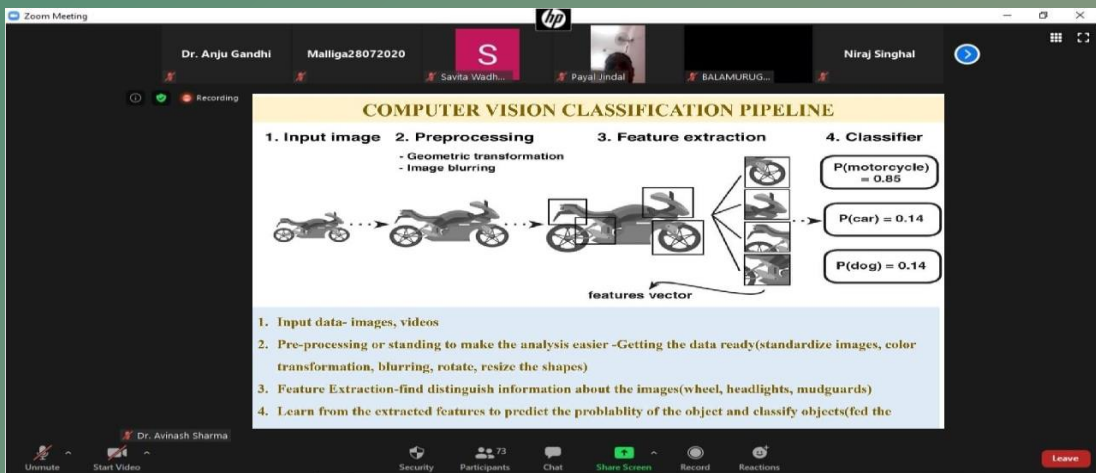
The Event was Organised by: Ms. Charu Chhabra, AP IT Deptt.

E-Waste recycling in India



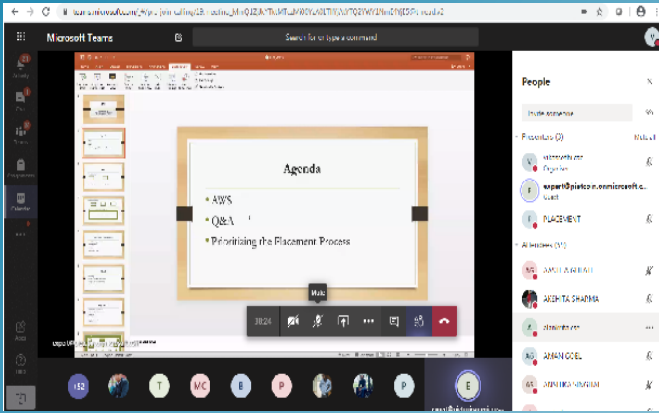
Department Of Information Technology, PIET conducted an online webinar on 'E-Waste recycling in India' on 20 August 2020 , Mr. Manvendra Vikram Tey, E-waste management professional and member of EXIGO, Samalkha and Dr. Ankur Sabharwal AP, MBA, PIET were the experts invited to interact with students on this issue. The Event was organised by: Ms. Mitu Sehgal, AP IT Deptt.

Artificial Intelligence and Machine Learning (AIML) in the industry



Department of Information Technology and Computer Science Department organised a seminar on the importance of Artificial Intelligence and Machine Learning (AIML) in the industry on August 20, 2020.. It emphasize on various applications in industry, including process automation, predictive maintenance, personalized marketing, and fraud detection

Latest Trends and requirements of the software industry



On the 27th August, 2020 a guest lecture on the topic “Latest Trends and requirements of the software industry” was delivered for the students by Mr. Piyush Goyal, Senior Software Engineer, Orange Business Services India Solutions Pvt. Ltd, Cyber City, Gurugram.

He shared the knowledge on various platforms and domains in the industry. An interaction with the guest followed the informative session which consisted of a question answer period which answered the burning questions which the students.. All in all, the session laid out a roadmap for the students to be "job ready" or "industry ready" for tomorrow. The event was organised by: Mr. Sandeep Goel, AP IT Deptt.

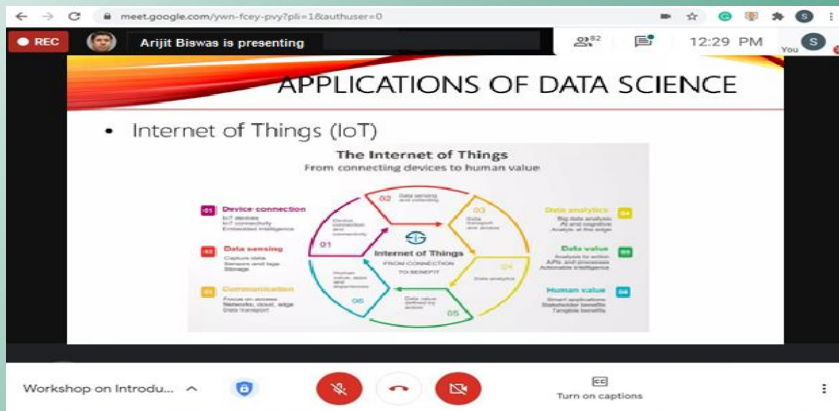
Emerging Technologies : Roles in Modern Era

On 28th September, 2020, Department of Information Technology organised a Expert Talk on “Emerging Technologies : Roles in Modern Era” for IT students. The speaker of the session was Mr. Saurav, Senior



Business Strategy Consultant, IBM. The purpose of this expert lecture was to provide knowledge about various Technology and roles in IT industries. Mr. Saurav started the lecture with various emerging technology in IT industries. Students were encouraged to identify their area of interest like Big Data, Cloud Computing, Network Security etc. and focus on those technologies to get the job in various sectors. The Event was organised by: Ms. Karuna, AP IT Deptt.

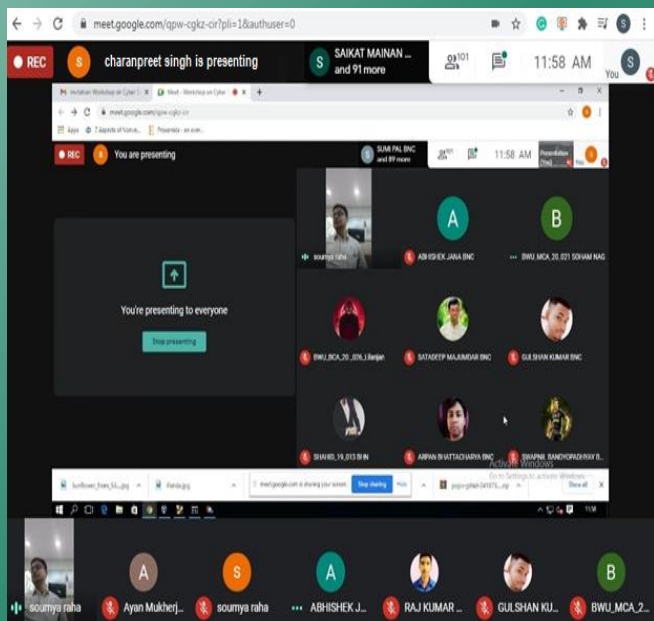
Emerging trends in Data Science & IOT for Data Handling and Security



Department of Information Technology was organized an Expert Lecture on 1st September, 2020 about the Data Science and IOT concepts. Various opportunities regarding these technologies have been discussed. Data Analytics and Data Science concepts have been explained briefly. Many techniques like “Hadoop”, “Hive”, “Pig” etc has been explained. Usage of these techniques in Bigdata related problems has been discussed. IOT means “Internet of things”, which makes everything to function automatically.

This event was organised by: Ms. Harminder Kaur, AP IT Deptt.

Career Guidance to improve placement hits



Department of Information Technology was organized an Career Guidance to improve placement hits. The primary objective in organising this webinar is to expose the students to industry requirements. The speaker shared various ideas and tips to guide the students for obtaining good job. It serves as the eye opening session for the students. He also taught the

students about developing themselves technically and approaching for a new job. He shared his personal experiences to motivate the students. This event was organised by: Ms. Karuna, AP IT Deptt.

Emotional wellness



Department of Information Technology and MBA was organized an Guest Lecture held on 05th September 2020 on the Topic of “Emotional wellness inspires self-care, relaxation, stress reduction and the development of inner strength. It is important to be attentive to both positive and negative feelings and be able to understand how to handle these emotions. Emotional wellness also includes the ability to learn and grow from experiences.

The event was organised by: Ms. Karuna, AP IT Deptt.

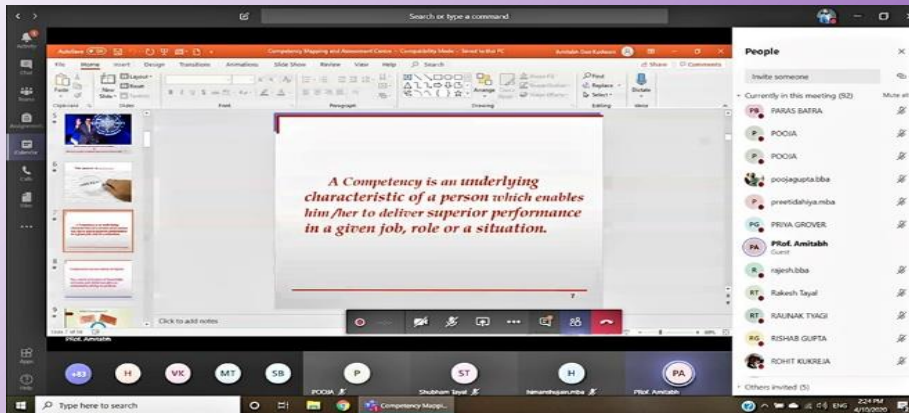
Digital Marketing Workshop



Department of Management Studies and Information Technology, Panipat Institute of Engineering Technology with Delhi Institute of Digital Marketing (DIDM), Delhi organized an online Digital Marketing Workshop, on **29th September 2020**, on the Go To Meeting Platform. Experts for the lecture were Mr. Vipul Chadha (Manager) and Mr. Pawan Kumar (Head Trainer), Delhi Institute of Digital Marketing (DIDM), Delhi.

The event was organised by: Ms. Karuna, AP IT Deptt.

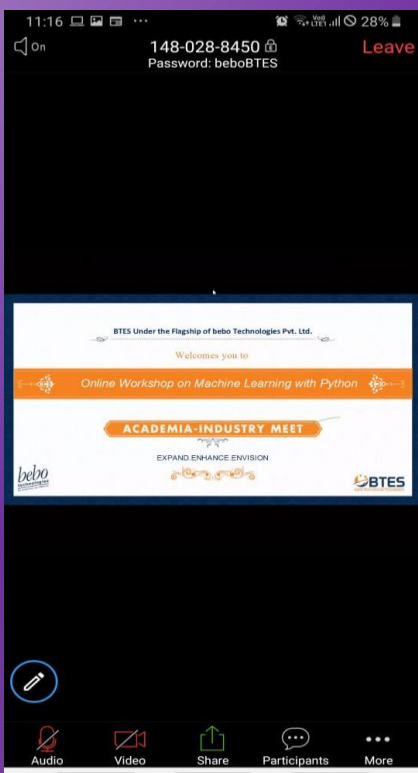
Competency Mapping



Department of Management Studies and Information Technology arranged an expert lecture on “Competency Mapping” held on 10th

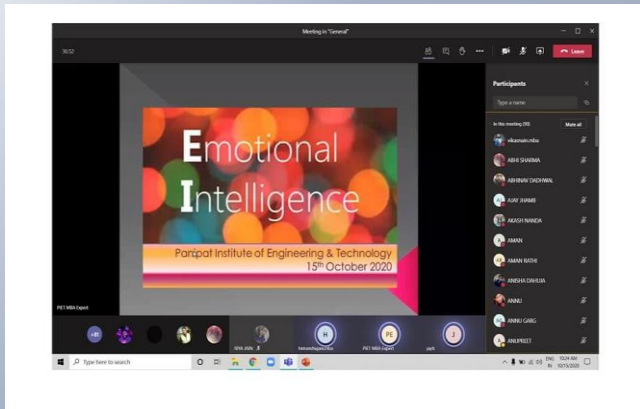
April, 2020, Competency mapping is the process of identifying the specific skills, knowledge, abilities, and behaviours required to operate effectively in a specific trade, profession, or job position. Competency mapping operates on the underlying principle that behavioural and knowledge attributes can be learned, and that the behaviours and knowledge sets people outwardly exhibit are only a small portion of the behaviours and knowledge sets that people are capable of showing.

Python for Research & Development using ML



Workshop was organized by Department of IT, PIET in association with Bebo Technical Education Services (BTES), Chandigarh held on 14th October, 2020, BTES focuses on strategic and practical approach in providing training to students and working professionals. Ms. Sipika was Technical Trainer from BTES. Faculties and students from CSE, IT and MCA department participated in this program. The 156 participants were registered this workshop. This Event was organised by: Ms. Harminder Kaur, AP IT Deptt.

Emotional Intelligence



Department of Information and Technology and MBA organized an expert guest lecture on “Emotional Intelligence” on 15th of October for MBA students. Ms. Guneet Kaur, MBA Alumni, IIM Lucknow took this session with the following aims making the student

understand their fears, Practice empathy Be yourself and manage your thoughts Remaining calm and composed during a crisis.

The event was organised by: **Ms.Sonam, AP IT Deptt.**

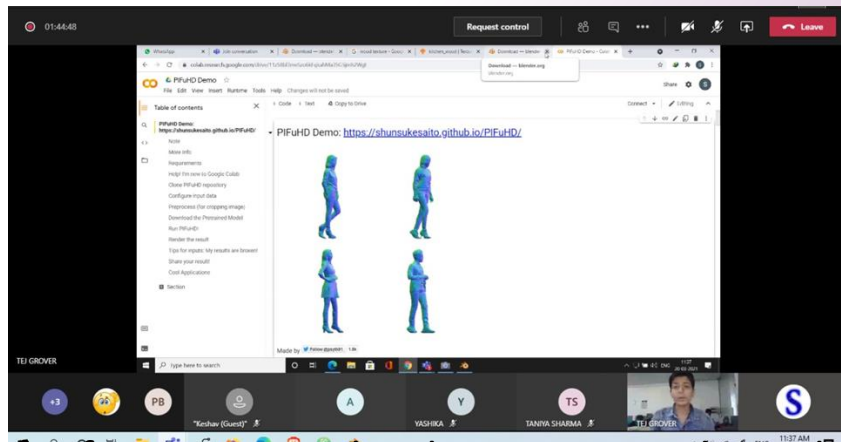
Recent Trends in NLP



Department of Information Technology organized an Expert Lecture on “Recent Trends in NLP” on 20th October, 2020. Dr Kamlesh Dutta, Professor and Head Department of CSE, NIT Hamirpur who is a renowned Researcher in the field of Artificial Intelligence delivered the lecture to Faculty Members and students of PIET.

The event was organised by: Dr. Mukesh Kumar Chawla, Professor, IT Deptt.

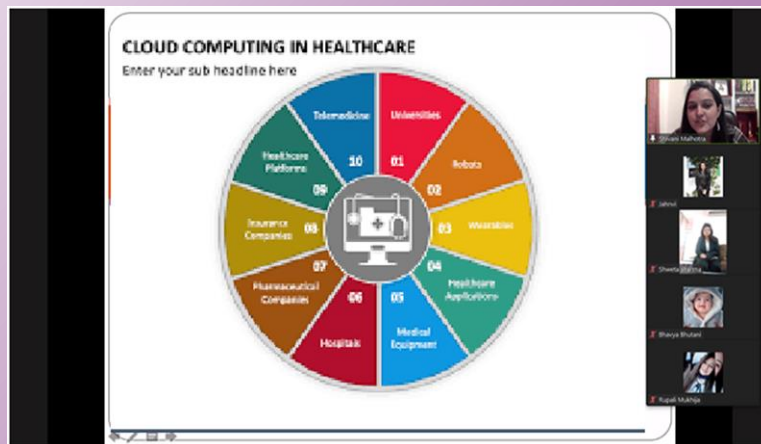
Game Development Using AR-VR Tools



Department of Information Technology organized a 3-day workshop on game development using AR-VR tools in association with XR club from October 26-29, 2020. The aim of this workshop on game development using AR/VR was to introduce students with no prior experience in game development using AR/VR. Mr. Shiraz Khurana explained about AR-VR technology to the students.

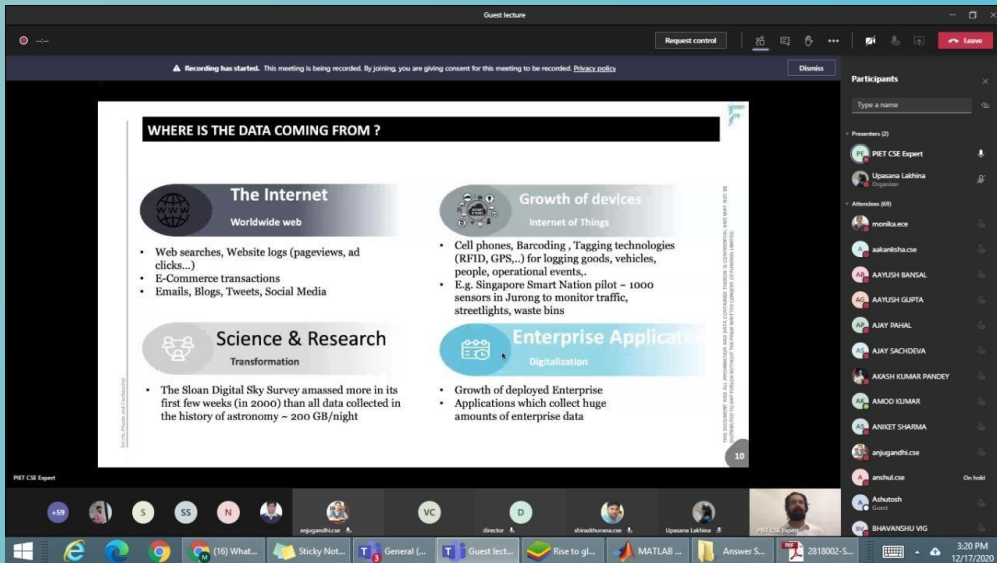
The Event was organised by: Ms. Harminder Kaur, AP, IT Deptt.

Security on Cloud based Medical Healthcare System



Department of IT organized an Expert Lecture on “Security on Cloud based Medical Healthcare System” on 27th Oct, 2020. Dr Sunil Gupta, Professor, UPES, Dehradun delivered the lecture to Faculty Members and students of PIET.

Unleash the power of data

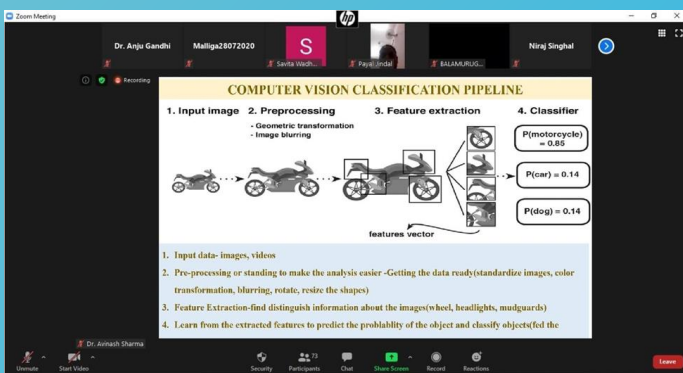


Department of Information technology organized an Expert Lecture on data (Unleash the power of data) on December 17, 2020 Mr. AkshaySeth was introduced to the audience and session was handed over to the speaker. He shared his knowledge in the field of data science, machine learning and artificial intelligence. Attendees of the talk came across how the Singapore is dealing with the data sets and how data science has become an integral part of the industry culture. The event was organized by: Dr.Nitisha Aggarwal, AP IT Deptt.

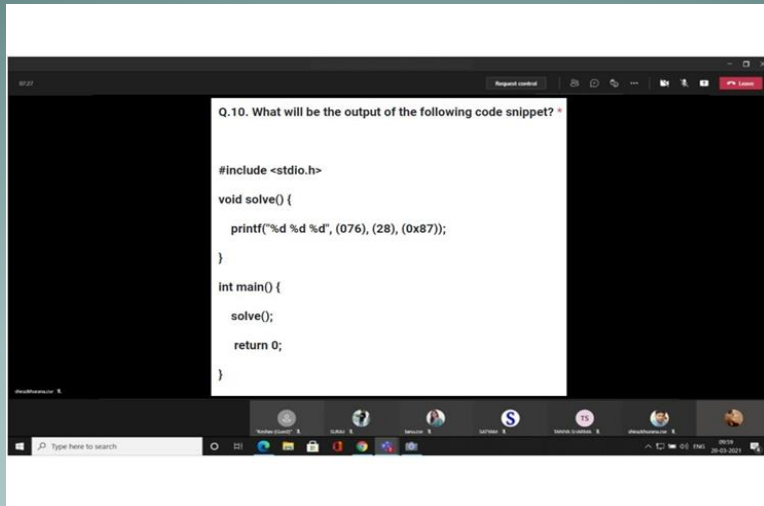
Importance Of Artificial Intelligence And Machine Learning

On 20th August 2020, Department of Information Technology and Computer Science Department organised a seminar on the importance of Artificial Intelligence and Machine Learning (AIML) in the industry on August

20, 2020.The seminar aimed to highlight the relevance of AIML in modern-day businesses and industries. The event was organised by: : Ms. Harminder Kaur, AP IT Deptt. & Ms. Deepti, AP, CSE

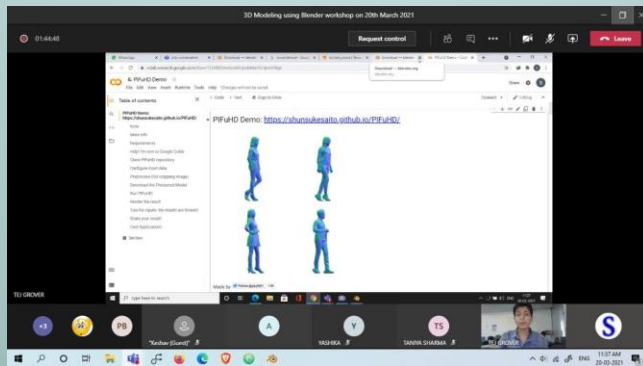


Coding Competition: Debug & Run



Department of Information Technology conducted a coding competition (Debug & Run) in online mode on 27th November 2020. Aim of this competition is to check coding skills of students and to enhance the thinking ability of students. The 82 students from Computer Science and Engineering, Information Technology and Department of computer application Programs have taken a keen interest in solving the problems and exhibited the programming skills acquired.

Game Development using AR-VR tools



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Unleash The Power Of Data



Department of Information technology organized an Expert Lecture on data (Unleash the power of data) on December 17, 2020. The event started at 03.00 pm with a welcome note from Dr. Nitish Aggarwal. Mr. Akshay Seth was introduced to the audience and session was handed over to the speaker. He shared his knowledge in the field of data science, machine learning and artificial intelligence.

Debate Competition



A Debate Competition was organized by Techno Gearheads club (Department of Information Technology) on 15th Sept., 2020. The competition's goal was to improve the students' public speaking abilities and equip them with the skills necessary to present their ideas clearly. The event was well organized and managed by Faculty Co-ordinator Ms. Karuna Assistant Professor, IT Dept. The discussion that took place during the class was a veritable kaleidoscope of ideas, opinions, and viewpoints that undoubtedly improved the students' knowledge and comprehension of the subject.

STUDENTS ACHIEVEMENTS



- Utkarsh participated in 'SIH 2020' at 'GHRCE, Nagpur' has secured third position on August-20.
- Jatin participated in 'SIH 2020' at 'KLE Tech. University, Karnataka' in online mode has secured first position on August-20.

Faculty Achievements

- Dr. Vaishali Mehta gave an Expert Talk on Time series Forecasting at OM STERLING GLOBAL UNIVERSITY
- Dr. Vaishali Mehta gave an Expert Talk on Machine Learning using Python at OM STERLING GLOBAL UNIVERSITY
- Mr. Rattandeeep Aneja gave an Expert talk on E-Teaching and Learning at Govt. PG College, Ambala Cantt.

List of faculty who have completed 1 week Professional development

Program

S.No.	Name of the Participant	Title of the Professional development Program (FDP/Worshop etc.)	Dates (from - to)	Name of the institute/Organization
1	Rattan Deep Aneja	A.I & Machine Learning With Data Science	2-7 Nov,2020	Guru Nanak Dev Engineering College Sponsored by AICTE
2	Nitisha Aggarwal	Outcome Based Education For Program Accreditation	6-10 July,2020	AICTE National Institute of Technical Teachers Training and Research (NITTTR)
3	Karuna Rani	Outcome Based Education For Program Accreditation	6-10 July,2020	AICTE National Institute of Technical Teachers Training and Research (NITTTR)
4	Sorabh Gupta	Outcome Based Education For Program Accreditation	6-10 July,2020	AICTE National Institute of Technical Teachers Training and Research (NITTTR)
		Advanced Excel With Data Visualization	21-27 Dec,2020	E & ICT Academy, IIT Kanpur
5	Harminder Kaur	Outcome Based Education For Program Accreditation	6-10 July,2020	AICTE National Institute of Technical Teachers Training and Research (NITTTR)
6	Mukesh Kumar	Advanced Excel With Data Visualization	21-27 Dec,2020	E & ICT Academy, IIT Kanpur
8	Sandeep Kumar	Advanced Excel With Data Visualization	21-27 Dec,2020	E & ICT Academy, IIT Kanpur