

DEPARTMENT OF INFORMATION TECHNOLOGY

# INFOBUZZ



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Bi -annual Newsletter



**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. MITU SEHGAL**  
**M.TECH, B.TECH**  
**(ASSISTANT PROFESSOR)**

## **STUDENT EDITORS**

**SHREYA GUPTA**



**KANIKA NARANG**



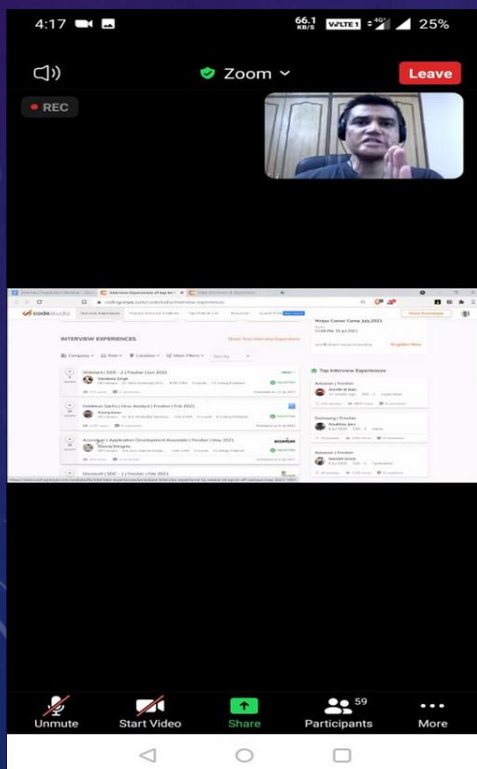
# IPR awareness and Patent Filing Process



On 17th July 2021, Department of Information Technology and ED Cell, PIET conducted an Expert lecture on IPR awareness and Patent Filing Process. The participants got to understand the importance of Intellectual property rights and risk involved of creative idea stolen. Expert lecture was delivered by Dr. Parmod Malik, Co-ordinator, Center for IPR Studies, Department of Laws, BPS Mahila Vishwavidyalaya, Sonipat.

The event was organised by :Mr. Rattan Deep Aneja, AP, IT Deptt.

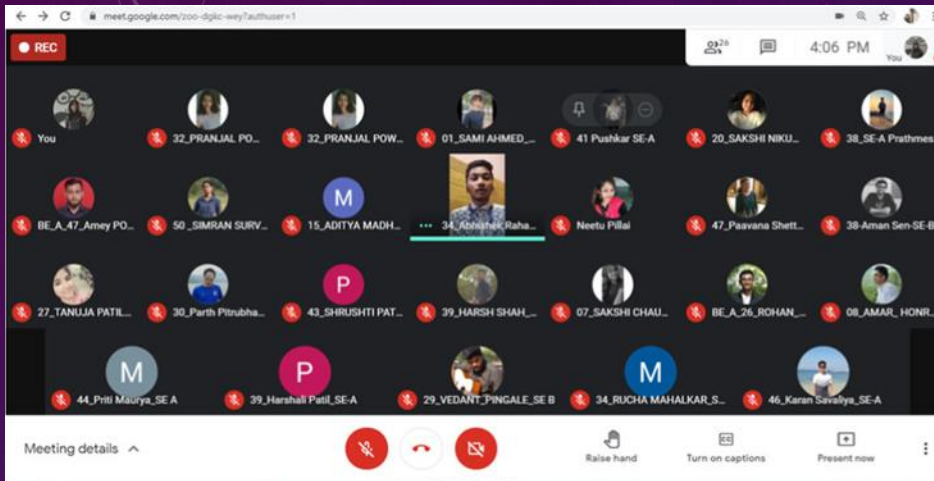
## Roadmap to Crack Internship/placement Interviews



Department of Information Technology organized a webinar on Roadmap to Crack Internship & placement Interviews in India on 24 July, 2021. To share tips for cracking interviews for Internship & placement in India and Abroad. Ninjas teaches 17+ Programming courses in Foundation, 1 Advanced, Data & Development courses such as Machine Learning, Data Science, Web Development, Android and more.

The event was organised by :Mr. Sandeep Goel, AP, IT Deptt.

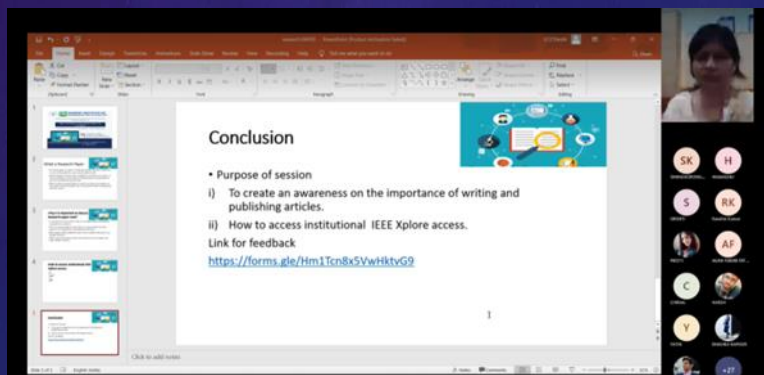
# Speech Competition on Human Rights Day



On Sunday, 12th September, 2021, ASH Department, PIET, conducted an Competition event. Speaking skills are vitally important methods of communication. Speaking clearly and confidently can gain the attention of an audience, providing the opportunity for the speaker to make the message known. This event was organized by the IT Department to provide a platform for students to showcase their talent. It also helped the students to develop skills on Ethics.

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

## Research Paper Writing

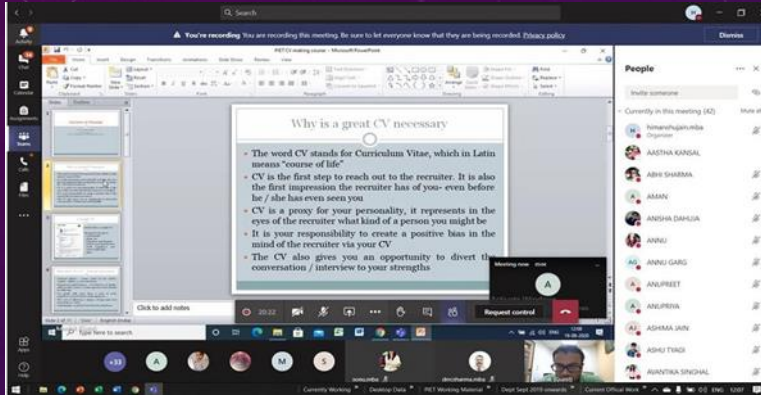


Department of Information technology, PIET, organized webinar on How to write a research paper of a Project on 13 September, 2021. Purpose of this webinar is to create awareness on the importance of writing and publishing articles. Purpose of this webinar is to create awareness on the importance of writing and publishing articles. Students are being awared about how to access institutional IEEE Xplore access.

The event was organized by Dr. Nitisha Aggarwal,IT,PIET



## Session on CV writing



The Department of Information Technology conducted an Online Webinar on CV Drafting on 10<sup>th</sup> November, 2021 via MS TEAMS. The main motive of the webinar was to acquaint the IT students about the ground rules of CV preparation through an interactive and engaging session. The speaker for the event, Dr. Mukesh Kumar, HoD, IT Deptt.

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

## IoT workshop



On 13<sup>th</sup> December 2020, Department of Information Technology organized IoT workshop. This workshop was aimed to impart knowledge amongst the students about basics Operation, Maintenance and frequent use in IOT lab. The workshop started with welcome note by Ms. Swati Gupta (HOD, ECE) and Dr. Mukesh Chawla (HOD,IT)

The event was organized by : Mr. Sorabh Gupta, AP, IT Deptt.

Ms. Mitu Sehgal, AP, IT Deptt.

## Debate Competition



An inter-house Debate Competition was Organized by Techno Gearheads club (Department of Information Technology) and Prowess Cell (Department of Business Studies) at our Institution on 28<sup>th</sup> Oct, 2021. The aim of the competition was to hone public speaking skills of the students and teach them to be articulate while expressing their thoughts and opinions. The session was a kaleidoscope of opinions, thoughts, ideas and perspectives that definitely enhanced the knowledge and understanding of the topic among students.

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

## QUIZOPHILE- a Current Affairs Competition

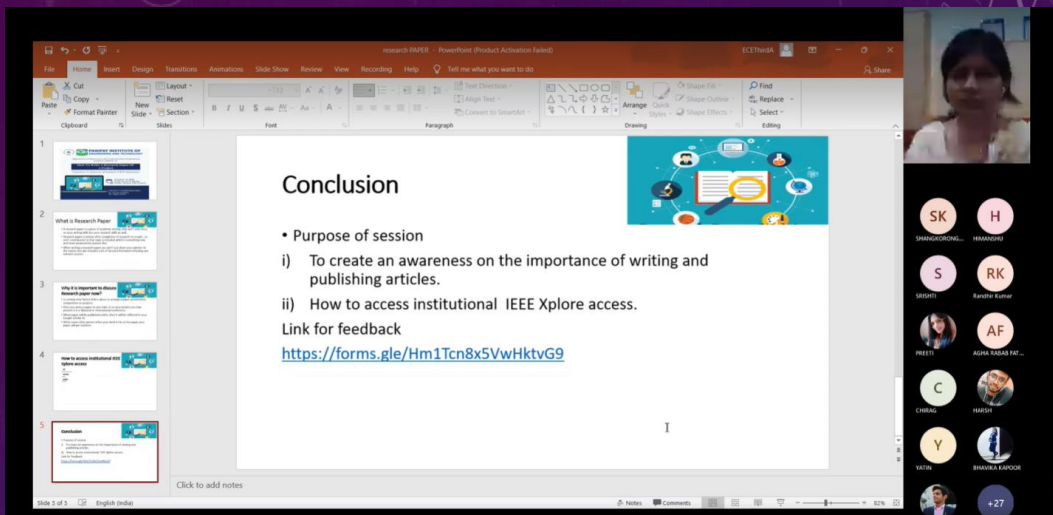


Department of Information Technology conducted an Inter department QUIZOPHILE- a Current Affairs Competition on Friday, July 16, 2021. The competition was planned with an aim to check knowledge of students on the topics of Science & Technology. The competition was open for UG/PG students of all the courses at PIET.

The event was organized by : Ms. Neha Bhatia, AP, IT Deptt.



# How to write a research paper of a Project



The screenshot shows a Zoom meeting interface. The main window displays a PowerPoint slide titled "Conclusion". The slide content is as follows:

- Purpose of session
  - i) To create an awareness on the importance of writing and publishing articles.
  - ii) How to access institutional IEEE Xplore access.

Link for feedback  
<https://forms.gle/Hm1Tcn8x5VwHktvG9>

The slide also features a small graphic of a globe with icons representing research and communication. The Zoom interface includes a toolbar at the top and a participant list on the right side.

Department of Information technology, PIET, organized webinar on How to write a research paper of a Project on 13 September, 2021. Purpose of this webinar is to create awareness on the importance of writing and publishing articles Students are being awared about how to access institutional IEEE Xplore access.

The event successfully organized by : Dr. Nitisha Aggarwal,IT,PIET

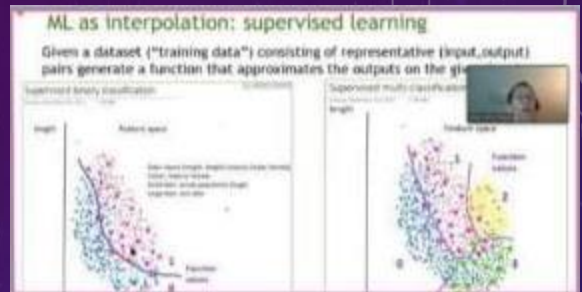
## Python Progarmming Quiz



On 24 December, 2021 Department of Information Technolgy organized Inter department Python Progarmming Quiz in order to check coding skills of students and to enhance the thinking ability of students.The 67 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.

The event successfully organized by: Mr. Sorabh Gupta, AP, IT Deptt  
Ms. Karuna, AP, IT Deptt.

# IRCET-2021 INTERNATIONAL CONFERENCE



The International Online Conference on Innovation, Research and Challenges in Emerging Technologies was organized on November 19-20, 2021 by the Department of Information Technology and the Department of Electronics and Communication Engineering at Panipat Institute of Engineering and Technology, Samalkha, Panipat, Haryana. The conference was initiated in December 2020 and a 28 member executive committee was formed from the institute. The main aim of this conference was to bring together leading academicians, researchers, technocrats, practitioners, and students to exchange and share their experiences and research outputs on all aspects of Emerging Technologies. The committee finalized five themes that include AI & Machine Learning, Data Science, Internet of Things, Cloud Computing & Network Security and Deep Learning & Artificial Neural Networks. The coordinators Dr. Mukesh Kumar and Dr. Vaishali M. Wadhwa put extraneous efforts and succeed in getting approval for joint publication from International Journal of Information Technology (BJIT, indexed by SCOPUS and published by Springer), Communications in Computer Science (Springer Series indexed by SCOPUS) and SCOPUS indexed book. A total of 108 papers were received out of which 56 were selected for oral presentation by a panel of national and international experts.



# STUDENTS ACHIEVEMENTS

- **Mayank participated in 'Rap Battle' at 'DME College, Delhi' has secured first position on Aug-21.**
- **Mayank participated in 'Rap Battle' at 'Mithibai College, Mumbai' has secured second position on Dec-21.**

## Faculty Achievements

### Publication by faculty

1. Rattan Deep Aneja paper Optimal Path Routing In WMNS: HGAB3C published in International Journal Of Intelligent Engineering Informatics in July' 2021
2. Vaishali Mehta got publised a book entitled "Emerging Technologies for Healthcare" in July'2021
3. Rattan Deep Aneja paper entitled "HPGAB3C: A Novel Hybridized Optimization Approach" got published in International Conference on Data Analytics and Management on November '2021
4. Dr. Mukesh Chawla paper "Effect of Tickness on Laser Induced Nonlinear Optical Properties of Erbium Doped ZnO Thin Films" in International Conference on Innovation,Reserch and Challenges in Emerging Technologies in November,2021
5. Ashima Arya,Mitu Sehgal,Rattan Deep Aneja published a paper "Arificially intelligent system for Touism industry" in International Conference on Innovation,Reserch and Challenges in Emerging Technologies in November,2021
6. Ashima Arya,Mitu Sehgal,Neha Bhatia published a paper "Machine learning Techniques for Heart Dieases Prediction" in International Conference on Innovation,Reserch and Challenges in Emerging Technologies in November,2021
7. Ashima Arya,Neha Bhatia,Bhawna Kukreja,Karuna Rani, Payal Chhabra published a paper "Implementing Variablity Techniques in Software Systems" in International Conference on Innovation,Reserch and Challenges in Emerging Technologies in November,2021
8. Ashima Arya got a paper "Iot Enabled obstruction evasion Robotsfor enchancing the security of the system " publised in International Conference on Innovation,Reserch and Challenges in Emerging Technologies in November,2021
9. Neha Bhatia got a paper "Blockchain Based Identity Management System For Food Supply Chain" publised in International Conference on Innovation,Reserch and Challenges in Emerging Technologies in November,2021



10. Harminder Kaur got a paper “Clinical and Epidemiological Factors Analysis for COVID-19 by Mamdani-Fuzzy Inference System” published in International Conference on Innovation, Reserch and Challenges in Emerging Technologies in November, 2021
11. Sourabh Gupta got a paper “An Empirical Study on the Impact of IT Services on End-User Satisfaction for University of Petroleum” published in International Conference on Innovation, Reserch and Challenges in Emerging Technologies in November, 2021
12. Vaishali Mehta paper “Statistical Analysis for Air Quality Assessment and Evaluation: A Data Mining approach” got published in International Conference in Novembet’2021
13. Dr. Vaishali Mehta gave an Expert Talk on Machine Learning at G.L Bajaj Institute of Technology & Management
14. Dr. Vaishali Mehta gave an Expert Talk on Time series Forecasting at G.L Bajaj Institute of Technology & Management
15. Dr. Nitisha Aggarwal acts as Reviewer in International Conference on Innovation, Reserch and Challenges in Emerging Technologies in November, 2021
16. Ms. Harminder Kaur acts as Reviewer in International Conference on Innovation, Reserch and Challenges in Emerging Technologies in November, 2021
17. Ms. Mitu Sehgal acts as Reviewer in International journal in Computational Intelligence and Neuroscience