

DEPARTMENT OF INFORMATION TECHNOLOGY

# INFOBUZZ



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JANUARY 2020- JUNE 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*

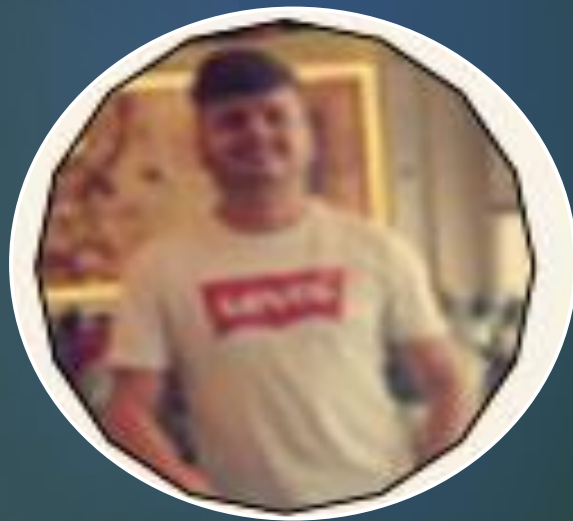


**Ms. KARUNA RANI**  
**M.Tech, B.Tech**  
**(Assistant Professor)**

# *STUDENT EDITORS*



Dristi



Sagar

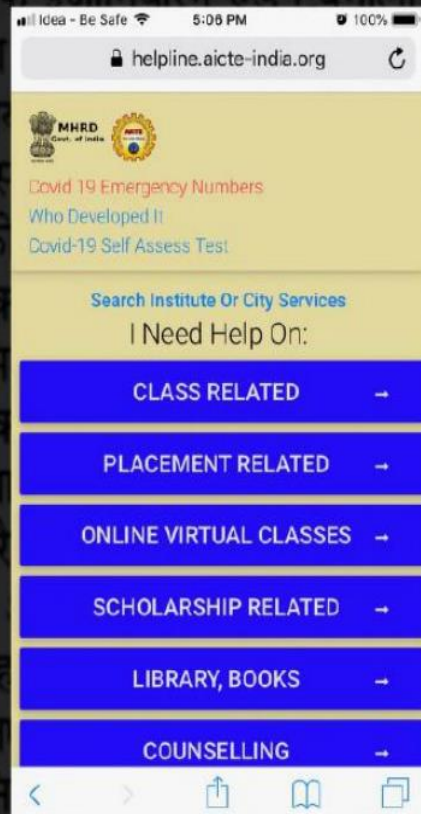
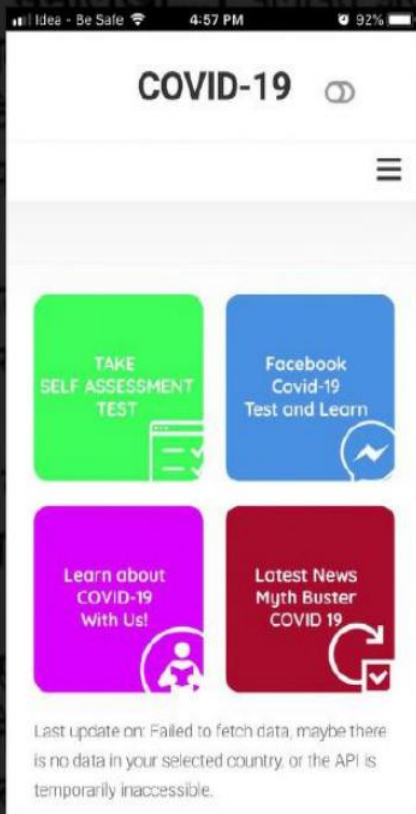
# FDP on Soft Computing & its Applications

**O**ne week Faculty Development Programme on “Soft Computing & its Applications” (FDPSC-2020) was successfully organized from 6th Jan, 2020 to 11th Jan, 2020 by Department of Information Technology. The aim of FDP was to provide the Researchers and Faculties, an exposure to the Soft computing approaches and its applications in diverse fields along with the latest research methods. The participants learnt and got skilled practically about different Soft computing techniques. Various lab sessions have been included to get the practical knowledge. Faculties from different departments (e.g. CSE, ECE, TEX, Applied Sciences etc.) participated in this programme.



# COVID 19 Application

Utkarsh Pandey from IT department developed an online application to combat the corona virus, by providing the user with the self assessment facility and worldwide news related to the pandemic.



## छात्र ने बनाया कोविड-19 ऐप

समालखा। पानीपत इंस्टिट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी के



छात्र उत्कर्ष।

इनफार्मेशन टेक्नोलॉजी विभाग के द्वितीय वर्ष के छात्र उत्कर्ष ने कोविड 19 नाम का एक मोबाइल ऐप बनाया है। जिससे कोई भी व्यक्ति कुछ आसान से सवालों का जवाब देकर ये जान सकता है कि उसे कोरोना संक्रमित होने के कितने चांस हैं। इसके अलावा कोरोना वायरस से कैसे बचा जा सकता है। राकेश तायल ने बताया अगर कोई कोरोना संक्रमित मरीज मिलता है तो उसका फोन नंबर इस ऐप पर डालकर ये भी जानकारी मिल सकती है कि वो व्यक्ति किस किस जगह

पर गया था और किन लोगों के संपर्क में रहा। यह एक इंटरैक्टिव ऐप है। जिसे एआईसीटीई न्यू दिल्ली ने अपनी वेबसाइट पर लांच किया है।

## Mentoring Session for Hackathon Participants



On Friday, 17<sup>th</sup> January 2020, Department of IT and IIC Club organised a Mentoring Session for Hackathon Participants. The main objective of this program was to provide guidelines to the students for presentations and demonstration in Internal Hackathon. Students were able

to identify their strengths and weaknesses for demonstrating their ideas in Internal Hackathon.

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

## National Innovation Challenge "Smart India Hackathon (SIH) Internal 2020

On Saturday, 25<sup>th</sup> January 2020, IIC Club organised Internal Hackathon 2020. Smart India Hackathon (SIH) is an yearly, national level competitive platform, initiated by MHRD in year 2017, to inculcate the culture of innovation in Technology students. 24 teams participated in the event. Every team put their hard efforts into the implementation of the idea and it's demonstrated. Fortunately, all teams demonstrated at least 40-50% implementation of

their idea. Members of jury shared their views about the event and names of shortlisted teams were announced.

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

### 24 टीमों में 144 विद्यार्थियों ने हैकैथॉन में लिया हिस्सा

समालाखा। स्मार्ट इंडिया हैकैथॉन 2020 के अप्रैल में होने वाले मुकाबले से पहले पाइट कॉलेज में इंटरनल हैकैथॉन का आयोजन किया गया। जिसमें कॉलेज के विभिन्न विभागों की 24 टीमों ने हिस्सा लिया।

इन टीमों ने कृषि विभाग, स्वास्थ्य विभाग, वेस्ट मैनेजमेंट, ऊर्जा, रोबोटिक्स, स्मार्ट व्हीकल, स्मार्ट टेक्सटाइल और सस्टेनेबल एनवायरनमेंट की विभिन्न समस्याओं के हल निकालने के लिए अपने अपने प्रोजेक्ट की संक्षिप्त जानकारी दी। कलेंज के वाईस चेयरमैन रकेश तायल ने बताया कि पिछले 4 वर्षों से देश में स्मार्ट इंडिया हैकैथॉन का आयोजन किया जा रहा है। इस मुकाबले में देश के लाखों विद्यार्थी हिस्सा लेते हैं और देश के विभिन्न सरकारी विभागों और कॉर्पोरेट सेक्टर में आने वाली समस्याओं का हल ढूंढने की कोशिश करते हैं।

फाइनल राउंड में टीमों को अलग अलग प्रॉब्लम दी जाती है और उन्हें 3 दिन के समय अंतराल में उस समस्या को हल करने के लिए प्रोग्रामिंग करनी होती है और एक सॉफ्टवेयर सॉल्यूशन तैयार करना होता है। लगातार 72 घंटों कोडिंग करने के बाद देश के अलग अलग सरकारी और कॉर्पोरेट सेक्टर से आए जज उन सुझावों को बारीकी से देखकर हर वेन्यू से द्वितीय व तृतीय टीम निकाली जाती है। जिन्हें क्रमशः



एक लाख, 75 हजार और 50 हजार रुपये का नकद इनाम दिया जाता है। इस मुकाबले से कई नए स्टार्ट अप के लिए भी अलग विभागों के ओर से फंडिंग की जाती है।

हरियाणा में पाईट कॉलेज 2 बार इस महामुकाबले को होस्ट कर चुका है और उम्मीद है इस बार भी हम स्मार्ट इंडिया हैकैथॉन 2020 की मेजबानी करेंगे। कॉलेज के स्मार्ट इंडिया हैकैथॉन 2020 के कन्वेनर डॉ. दिनेश वर्मा ने बताया 24 टीमों के 144 विद्यार्थियों ने इंटरनल हैकैथॉन में हिस्सा लिया और इनमें से 5 टीम हैकैथॉन के सॉफ्टवेयर एडिशन में जाएंगी और 2 टीम हार्डवेयर एडिशन में जाएंगी। इस अवसर पर डॉ दिनेश वर्मा, हरिश सैनी, डॉ मॉनिका गंभीर, गौरव गंभीर, राजन सलुजा, शक्ति अरोड़ा, अलंकृता, अनूपा, तनु, सोरभ अग्रवाल आदि मौजूद रहे।



## Road Safety Traffic Awareness Programme



“Road Safety Traffic Awareness Programme” has been organized by NSS PIET for the welfare of the students on Friday, 15<sup>th</sup> February 2020. Mr. Ravi Bhatia from traffic training park, Karnal was the resource person and he clearly instructed the

students about the traffic rules and safety measures to followed during driving. Students interacted with the resource person and get clarified their doubts. This programme is highly eye opening and informative to the students & the faculty members.

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

## Alum Talk on Prerequisites And Different Domains For Career In Software Companies

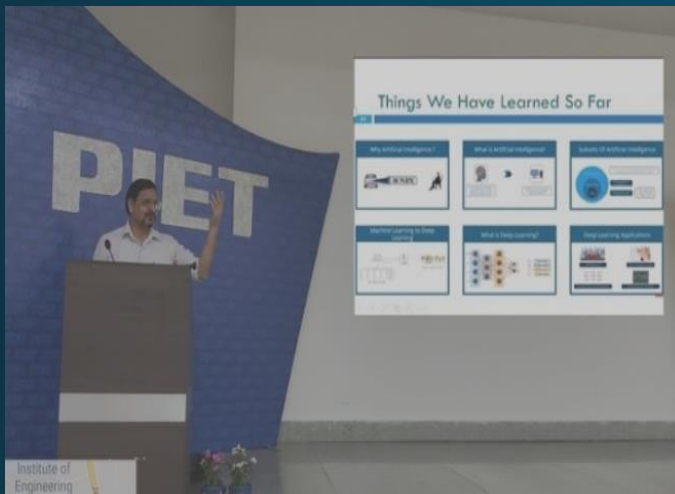
IT Department organized Alum Talk on Prerequisites And Different Domains For Career In Software Companies, on Wednesday, 4<sup>th</sup> March 2020 for the students wherein the alumni Nishtha Paliwal (2013-2017 Batch) motivated the students for achieving and soaring high in life. For the better future and better placements what are all



the do's and don'ts that the students should aspire for. Moving forward in the session, she focused on the importance of having a strong knowledge base, so as to get a job in the core engineering segments of IT sector.

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

## Autoencoders : Learning efficient coding of unlabelled data



The Department of Information Technology organized a guest lecture on “Autoencoders : Learning efficient coding of unlabelled data” on 10th March, 2020. The session was taken over by Prof. (Dr.) Shakti Kumar, Director, PIET, Samalkha. Sir highlighted about machine

learning stating “MACHINE LEARNING EVERYWHERE” means the applications of machine learning is found almost everywhere like in the field of media and entertainment, security and defence, medicine and biology and so on. Then introduction about data science was given as a cross platform which is an integration of various disciplines like mathematics, statistics, information science and computer science.

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

## An awareness programme on Covid-19

An awareness programme on Covid-19 was organised by IT Department on 1<sup>st</sup> April, 2020 where Mr. Rattan Deep Aneja was the resource person. The resource person gave an elaborate description about the history, causes, symptoms and prevention

of Covid-19 and boosted the participants with self-awareness on the pandemic issue prevalent in the present situation. Program objective: To create awareness and educate the IT students, faculty, regarding preventive intervention techniques that would help in reducing the transmission of the disease.

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

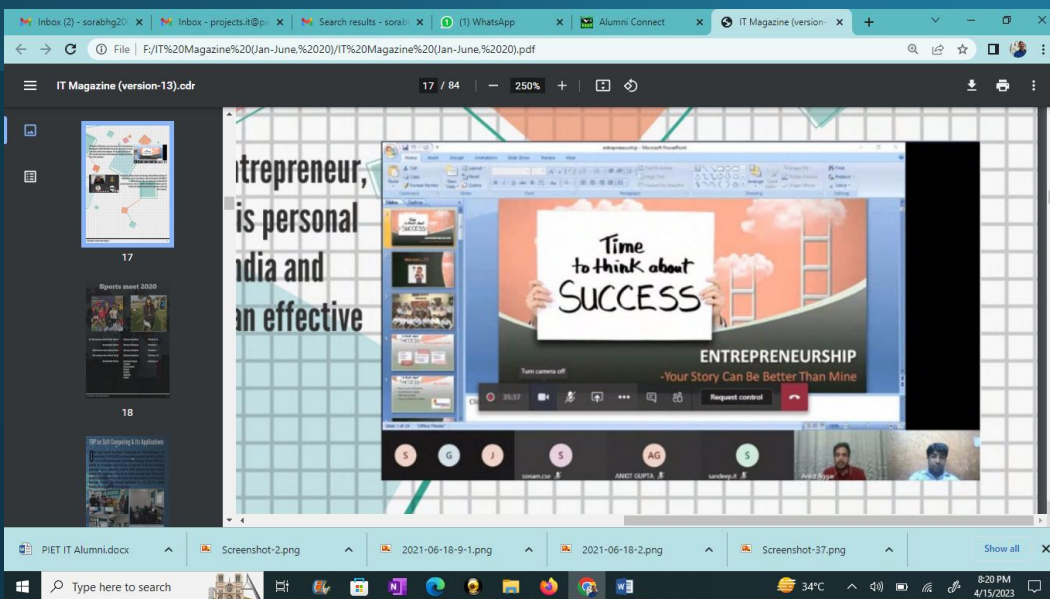
# Workshop on Agile Methodology



On 10<sup>th</sup> April, 2020, Shruti Gupta (2008-2012 Batch, an alumni of IT Deptt., PIET) delivered a talk on the Agile Methodology. The resource person for this event was Ms. Shruti Gupta (2012 Batch

Passout). The hand-on experience was shared by the concerned. The best part is that the students were highly motivated and thereby asked counter questions with the alumnus. The students have been learning about agile methodology theoretically but practically it was completely synchronised via Microsoft teams. This event was organised by: Mr. Sorabh Gupta, AP, IT Deptt.

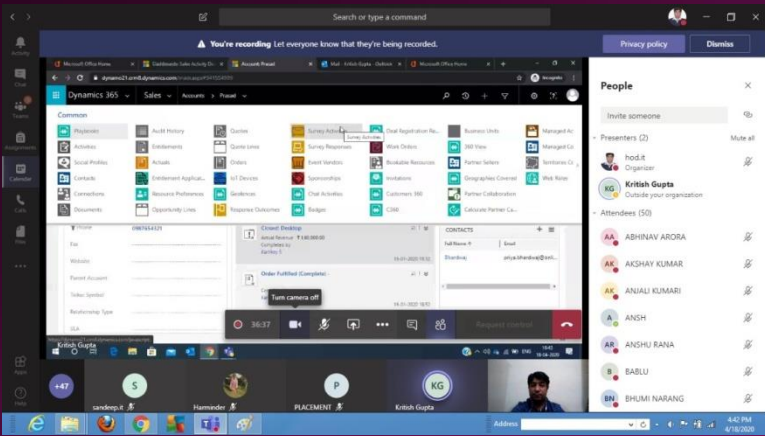
# Entrepreneurship Awareness Session



On Tuesday, 10th April, 2020 Department of IT organised an online session which was delivered by the Entrepreneur, Ankit Aggarwal (2013-2017 Batch) sharing the views and his personal Experiences which he had undergone. He talk about skill India and Start up India and perhaps skill development is definitely an effective move to be considered.

This event was organised by: Mr. Sorabh Gupta, AP, IT Deptt.

# Microsoft Dynamics 365 CRM/CE

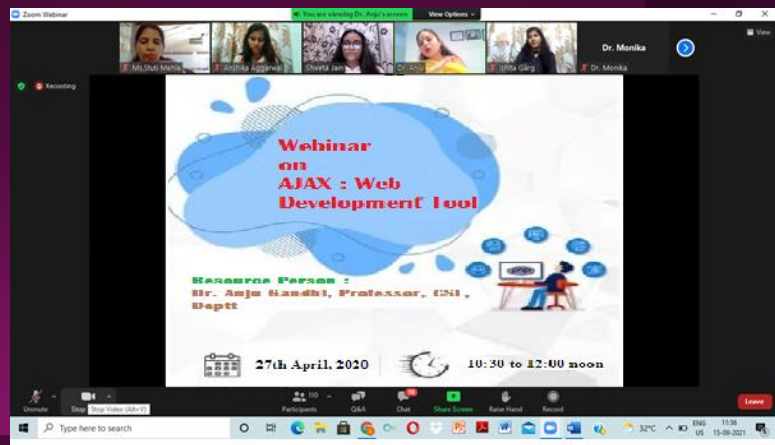


On Saturday, 18th April, 2020, Department of IT organized a Webinar on Microsoft Dynamics 365 CRM/CE where the resource person Mr. Krishish Gupta (2014-2018 Batch) an alumni of IT Deptt. shared a

presentation using Microsoft D365 CE/CRM Sharing. To achieve and soar high the students were guided with the personal experiences and also students laid emphasis on counter question and were highly motivated by the experiences shared and other learning's. This event was organised by: Mr. Sorabh Gupta, AP, IT Deptt.

# AJAX: Web Development Tool

On Wednesday, 29th April, 2020, Department of IT organised a Webinar on AJAX: Web Development Tool. The resource person for this event was Dr. Anju Gandhi, Professor, CSE Deptt. PIET. In this workshop, students



learnt the planning and creation of websites. This includes the information architecture, user interface, site structure, navigation, layout, colours, fonts, and imagery. First, speaker started with the scope of AJAX: web developer tool in industry. Then started with hands-on session where students used basic AJAX and SQL query to connect with Database.

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

## How to prepare for Aptitude Test



The IT department successfully organized a webinar with on 10th May, 2020 on the topic "How to prepare for Aptitude Test". The speaker of the session was Ms. Ashima, AP, IT Deptt. The webinar aimed to bridge gap between the student and essential aptitude skills. The session focused on how to clear various entrance exams including mainly about the aptitude test. The speaker talked about how to do well in Aptitude Tests, why aptitude test is needed, the selection process and the key to crack the same. Also, she covered the major areas of Written Tests like English and Reasoning.

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

## Expert talk on National Technology Day

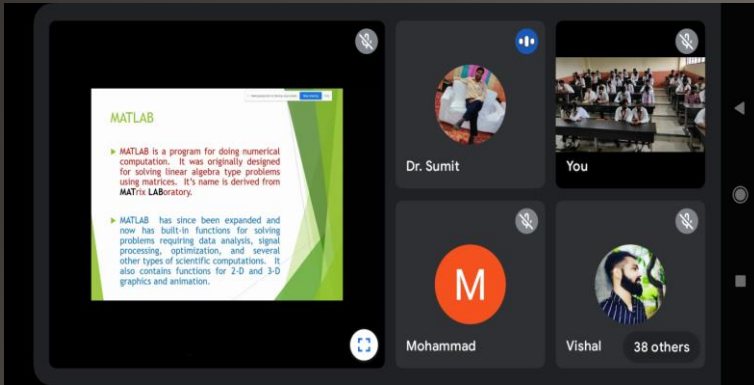
On Monday, 11th May, 2020, IIC and Department of IT organised an Expert talk on National Technology Day. The Expert Lecture started with an introduction on what is Artificial Intelligence and its



importance in the present times. Dr. Shakti Kumar, Director, PIET discussed the evolution of five generations of computer languages. He told us that at present, artificial intelligence is part of the fifth generation of computer programming languages. He also unfolded concepts like Heuristics, Natural Language Processing, Neural Networks, Automated Reasoning, Machine Learning and Deep Learning, Expert Systems.

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

# MATLAB: Mentoring and practice session on MATLAB and its based toolboxes



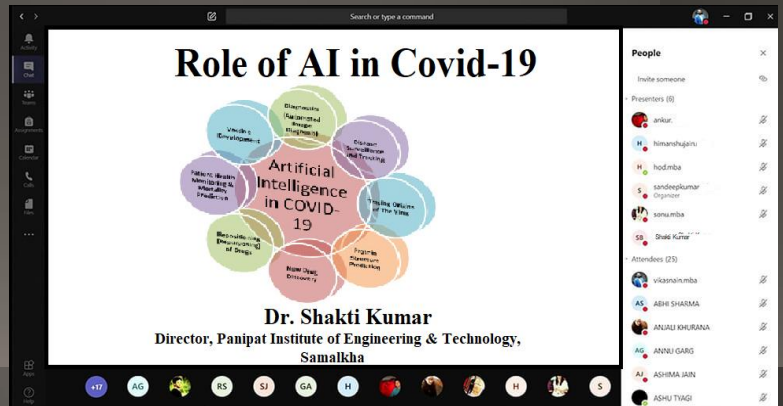
On Wednesday & Thursday, 13<sup>th</sup>-14<sup>th</sup>, May, 2020, Department of IT organised a Workshop on Mentoring and practice session on MATLAB and its based toolboxes. The resource person for this event

was Mr. Jitender, Technical Expert Design, Tech System. In his session, he discussed about the basics of MATLAB and told that MATLAB is a program for doing numerical computation but now MATLAB has been expanded and now has built in functions for solving problems requiring data analysis, signal processing, optimization and several other types of scientific computations. It also contains function for 2D and 3D graphics and animation.

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

## Role of AI in Covid-19

On Friday, 15<sup>th</sup> May, 2020, Department of Information Technology organized a guest lecture on 'Role of AI in Covid-19' for students and faculty. The guest lecture was delivered by Dr. Shakti Kumar



, Director, PIET. The lecture provided an overview about AI, described the differences between the key concepts of machine learning and deep learning, and the various applications of AI in the healthcare industry during Covid-19. The session also highlighted the advantages of AI such as reduced rates of misdiagnosis, automated second opinions and expedited early interventions concluding AI to be a 'tool' rather than a 'threat' to mankind.

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

## Covid Related Awareness Program



An interactive awareness talk on Novel Corona Virus (COVID-19) was organized by the NSS Unit of PIET and IT Deptt. on 1.06.2020. Mr. Pardeep Kumar, NSS Programme Officer, PIET was given the COVID-19

awareness to the students. He underlined the need to have the base knowledge about the corona virus so that preventive measures can be taken up effectively and timely. He also encouraged the students and faculty to keep themselves updated on health related information so as to minimize health risks and contribute towards the creation of a healthy society.

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

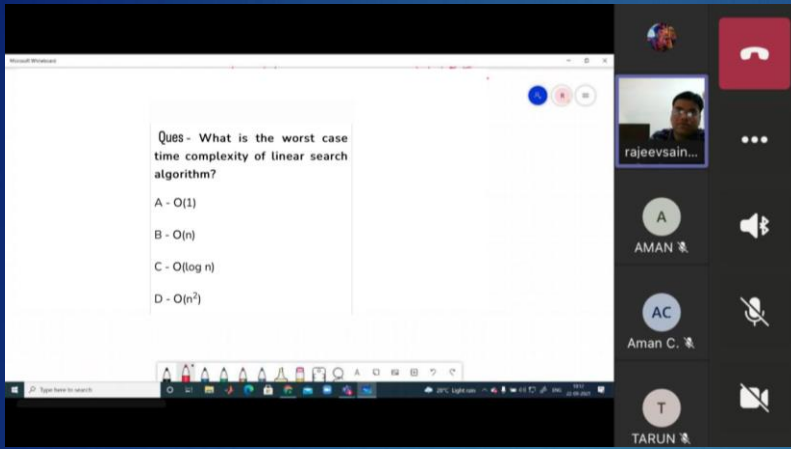
## How to Boost your Mental Skill

On Friday, 7<sup>th</sup> August, 2020, Department of Information Technology organised online lecture on How to boost your Mental skills being in times of COVID-19 by Acharya Pawan Dev. The Objective of the event is to enhance awareness of the students about importance of mental skill more so in these trying times, where people have been kind of socially cut off from each other. To provide them practical tips on how to cope and find solutions to problems.



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

## Technical quiz on Python



On 02 April, 2020 Department of Information Technology organized Inter department Technical quiz on Python in order to check coding skills of students and to enhance the thinking ability of students. 91

students participated in the event to solve the problems and exhibited the programming skills acquired. Winners were decided on the basis of least time taken by students for right solution. The event was evaluated by Mr. Sorabh Gupta (Assistant Professor, IT).

The event was organised by: Dr. Nitisha Aggarwal, AP, IT Deptt.

## Digital poster making competition

Department of Information Technology organized a Inter-department Digital poster making competition on June 15, 2020. Theme of the competition was Self & Family Protection from COVID-19 environment & Women Empowerment. The judges for this event was Ms. Karuna, AP, IT & Dr. Vaishali Mehta, Professor, IT. The objective is to improve presentation and technical knowledge of students. Judgement was done on the basis of creativity, presentation, originality, Relevance to the theme.

The event was organised by: Dr. Nitisha Aggarwal, AP, IT Deptt.





## Seminar on career opportunities in IT industry



TechnoGearHeads club under Department of Information Technology, PIET, conducted a seminar on career opportunities in IT industry on March 5, 2020. This seminar was graced by Rachit Jagga who was invited as the speaker of this seminar. He was the alumnae of PIET from 1st

batch (2007- 2011). The purpose of the event was to aware the students about how many doors are open in IT industry after graduation. He highlighed that apart from becoming Software engineer, there are loads of other opportunities available.

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

# STUDENTS ACHIEVEMENTS

- Rohit Dhull participated in 'Poster making Competition' at 'Desh Bandhu Govt. College, Panipat' has secured second position on May-20.

# PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

## DEPARTMENT OF INFORMATION TECHNOLOGY

### Placement List

S. No.	Student Name	University Serial No.	Employer Name
1	Abhinav Arora	2816339	INFOSYS
2	Abinash Bharali	2816403	PYRAMID IT CONSULTING
3	Amrit Pal Singh	2816328	PYRAMID IT CONSULTING
4	Anmol Bhatia	2816330	INFOSYS
5	Arjun	2816333	ATOS
6	Arjun Singh	2816353	INFOSYS
7	Harshit Arora	2816334	TCS
8	Himanshu	2816318	CAPGEMINI
9	Hriday Grover	2816316	INDID CONSULTING PRIVATE LIMITED
10	Jaspreet Singh	2816364	CAPGEMINI
11	Kartik Chopra	2816332	FILO
12	Kumar Shivam	2816324	GUARDIAN INDIA OPERATIONS PVT. LTD.
13	Lovely Priyadarshni	2816321	GUARDIAN INDIA OPERATIONS PVT. LTD.
14	Mansi Jain	2816329	GUARDIAN INDIA OPERATIONS PVT. LTD.
15	Nikhil Dhawan	2816337	CAPGEMINI
16	Prabhat Jha	2816370	TCS
17	Raman Bansal	2816344	CAPGEMINI
18	Ravinder	2816369	CAPGEMINI
19	Rumani	2816352	CAPGEMINI
20	Aditya Ashri	2816354	FRANCONNECT
21	Shivam Girdhar	2816366	SUCCESSPACT
22	Shivam Kumar	2816323	SKILL-UP
23	Shreya Chauhan	2816365	GUARDIAN INDIA OPERATIONS PVT. LTD.
24	Surbhi	2816508	CAPGEMINI
25	Vidhi	2816302	GUARDIAN INDIA OPERATIONS PVT. LTD.
26	Saransh Kumar	2816305	CLOUD ANALOGY

27	Sagar Singh	2816301	CLOUD ANALOGY
28	Deepak Mandal	2816317	CLOUD ANALOGY
29	Prashant Kumar	2816340	CLOUD ANALOGY
30	Aman Gupta	2816327	CLOUD ANALOGY
31	Ankit Kumar Choudhary	2816259	CLOUD ANALOGY
32	Hritik Sharma	2816307	CLOUD ANALOGY
33	Vijay Behl	2816363	CINIF TECHNOLOGY
34	Rahul Saluja	2816251	CINIF TECHNOLOGY
35	Ravi Ranjan Kumar	2816331	CINIF TECHNOLOGY
36	Rohit	2816347	CINIF TECHNOLOGY
37	Anshu Vats	2816362	CINIF TECHNOLOGY
38	Preeti	2816343	CINIF TECHNOLOGY
39	Drishiti Sharma	2816325	CAPGEMINI
40	Sagar Mehta	2816355	CAPGEMINI
41	Sakshi Negi	2816322	SUCCESSPACT
42	Arun Khanchi	2816604	CLOUD ANALOGY
43	Simran	2816310	CLOUD ANALOGY
44	Komal Sharma	2816341	SUCCESSPACT
45	Ishu Chauhan	2816360	CAPGEMINI

# Faculty Achievements

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	Research And Innovation	05-09 June,2020	Sri Sai Group Of Institutes, Badhani
2	Nitisha Aggarwal	Soft Computing & Its Applications	6-11 Jan,2020	Panipat Institute Of Engearing And Technology, Samalkha
		Embedded System And IOT	27-31 Jan,2020	AICTE National Institute of Technical Teachers Training and Research (NITTR)
3	Sorabh Gupta	Python Language	23-29 June,2020	Bhagwan Parshuram Institute of Technology
4	Karuna Rani	Soft Computing & Its Applications	6-11 Jan,2020	Panipat Institute Of Engearing And Technology, Samalkha
		Python Language	23-29 June,2020	Bhagwan Parshuram Institute of Technology
5	Harminder Kaur	Soft Computing & Its Applications	6-11 Jan,2020	Panipat Institute Of Engearing And Technology, Samalkha
6	Priyanka Kalra	Python Language	23-29 June,2020	Bhagwan Parshuram Institute of Technology
7	Ginni	Python Language	23-29 June,2020	Bhagwan Parshuram Institute of Technology
8	Sangeeta Yadav	Python Language	23-29 June,2020	Bhagwan Parshuram Institute of Technology