

# Panipat Institute of Engineering & Technology

## Teacher Training Program on Startup & Innovation

Nav-Jyoti India Foundation

Date- 30<sup>th</sup> March 2024

Time-10:00 a.m.

Venue-P.I.E.T.

The training helps the teachers learning the correlation between education 4.0 with industry 4.0. Innovation is the backbone of emerging trends and learning with practical in Idea lab along with Data Science, Robotics, IoT, AR/VR helps the teachers to exactly know the applications of the these. They can use World Innovation software for solving the problem of the society. The total 31 teachers attended the session.

### Poster of the Event



**PANIPAT INSTITUTE OF  
ENGINEERING & TECHNOLOGY**

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

## Teaching Training Program on Startup & Innovation


**30 March 2024**  
**Time: 10 AM**  
**Venue- G- Block**  
**Ground Floor**  
**PIET**



**Dr. Shakti Arora**  
Expert Leader



## Notice of the Event



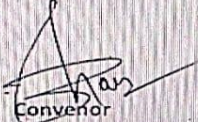
**Panipat Institute of Engineering & Technology**  
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**NOTICE**

Date – 21/03/2024

PIET is delighted to organize a **Teacher Training Program on Startup & Innovation** in collaboration with Nav-Jyoti India Foundation. This training session aims to help teachers bridge the gap between **Education 4.0** and **Industry 4.0**, fostering an understanding of innovation as the backbone of emerging trends.

**Date:** 30th March 2024  
**Time:** 10:00 a.m.

  
Convenor

  
Director

### Session 1

The initial session, led by Dr. Shakti Arora, focused on ideation and raised awareness regarding the startup ecosystem. Dr. Shakti Arora elucidated how these technologies contribute to enhancing real-life environments, emphasizing their practical applications and relevance in today's world.

### Session 2

Dr. Vikas Kumar Tyagi took the session on Startup & Innovation and introduced various ideation techniques like brainstorming, design thinking, and problem-solving frameworks. By engaging in interactive discussions and providing real-world examples, participants gained practical insights and valuable knowledge, equipping them with the necessary tools to navigate the startup landscape effectively.

After the session all the 31 teachers were divided into 4 groups.

Group I (AR&VR)

Group II (3-D Printing and Scanning)

Group III (CNC Wood Router and Laser Cutter)

Group IV IOT

## **IOT**

Mr. Akhilesh Tripathi provided hands on session IOT, and students made use of sensors using Arduino. Smart home, Smart farming, Smoke detector, and various IoT based projects were demonstrated to the teachers.

## **AR&VR**

Ms. Harminder Kaur took the session on AR&VR and explained the technology used for AR&VR. Teachers enjoyed the games designed by Pietian in AR&VR.

## **3-D Printing and Scanning**

The next session was about 3-D Printing and Scanning and briefed about the additive manufacturing. He demonstrated HOW 3-D printer are working. The teachers did print on one component using CATIA software. The teachers scanned one part/component using 3-D scanner and how s teachers can use these technologies for making prototype and reverse engineering.

## **CNC Wood Router and Laser Cutter**

In CNC Wood Router and Laser Cutter session teachers made their own key ring using the laser cutter. The functioning of CNC wood router was also demonstrated by him. The teachers appreciated the efforts put in by these faculty coordinators.

Dr. Shakti Arora gave vote of thanks to all the participants of Training Programs and to the experts of the skilling programme. She also said that it is the step towards Aatam Nibhar Bharat.

Mr. Shubham Tayal motivated the teachers and briefed about this program and told the teachers about the importance of conducting these kinds of programmes. He also assured the teachers to provide any technical support by PIET to help 24\*7.

## **Following are the highlights of the session**



## Glimpse of the Event



## Glimpse of the Event

