Report of the Webinar

on

<u>MACHINE LEARNING FOR EDGE DEVICES</u>

DATE: 11Th MAY 2020
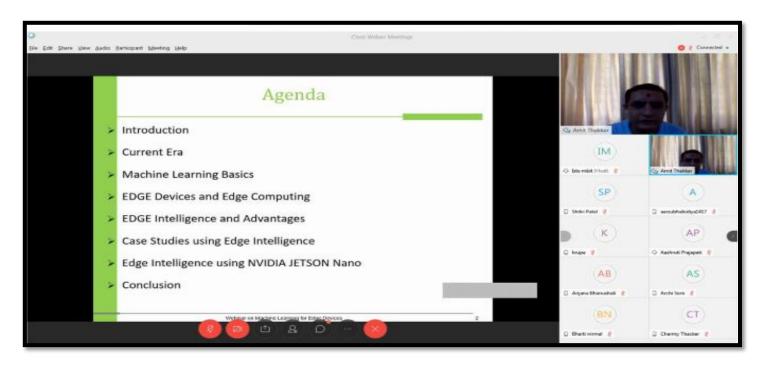
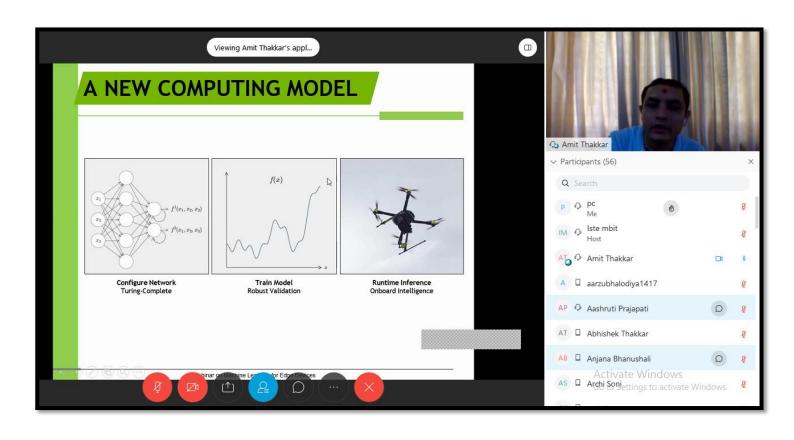### Time:11:00 AM to 12:30 PM

SPEAKER

Dr. Amit Thakkar

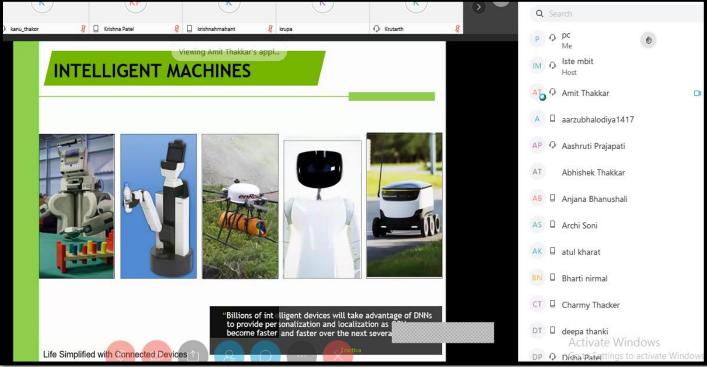**Associate Professor**
Department of IT CSPIT CHARUSAT

MACHINE LEARNING FOR EDGE DEVICES

Glimpses of Webinar

The Online session was conducted by **Dr. Amit Thakkar,** on 11th May, 2020; on the topic of "**Machine Learning for Edge Devices**". Dr. Amit Thakkar is an Associate Professor in Dept of IT CSPIT at CHARUSAT. The session was useful for all semester students. Total 62 students has attended this webinar. This event was initiated by Faculty coordinator Prof.Jayna Donga, ISTE faculty coordinator Prof. Sunayana Domadia and Student Coordinator Ms.Bhumi Kachhiya under the guidance of Prof.Dr.Archana Nanoty(Principal MBIT) and Prof.Nirav Raja(HOD CE Dept.).The CE department of MBIT has organized this webinar under the ISTE student branch MBIT.

Key points to remember from this session

- **What is machine learning?**

  - Machine learning is the science of getting computers to realise a task without being explicitly programmed.

- **ABCD Promoting Machine Learning**

  - Algorithm
  - Business
  - Chip
  - Data

- **Main applications of machine learning.**

  - Data mining
  - Computer vision
  - Natural language processing
  - Robotics

- **Future applications of cognitive intelligence.**

  - In Agriculture.
    - Farm mechanisation for precision in Agriculture.
  - In Healthcare.
    - Diagnostic APIs for personalized treatments.
  - In manufacturing.
    - Cobots for edge computing.
  - In Automotive.
    - Self-driving cars -- infotaintment systems.
  - In Social media.
    - Intelligent filters for facia identification.
  - In Financial services.
    - Innovative payment methods to be safe from frauds.

- **Edge intelligence can be used for.**

  - Smart cities.
  - Industrial automation.
  - Healthcare.

Student Feedbacks:

1) Best engaging session, opening new perspective of career opportunities.

--Krutarth Trivedi
Student at MBIT

2) It was a very good session. We get lots of information.

--Heli Patel
Student at MBIT

3) It was very informative session about the different Edge devices and how Machine learning is used with them!

--Ankita Panjwani
Student at MBIT