



## **A Report on an online Faculty Development Program**

**AICTE approved and sponsored**

**“Internet of Things & Its Applications”**

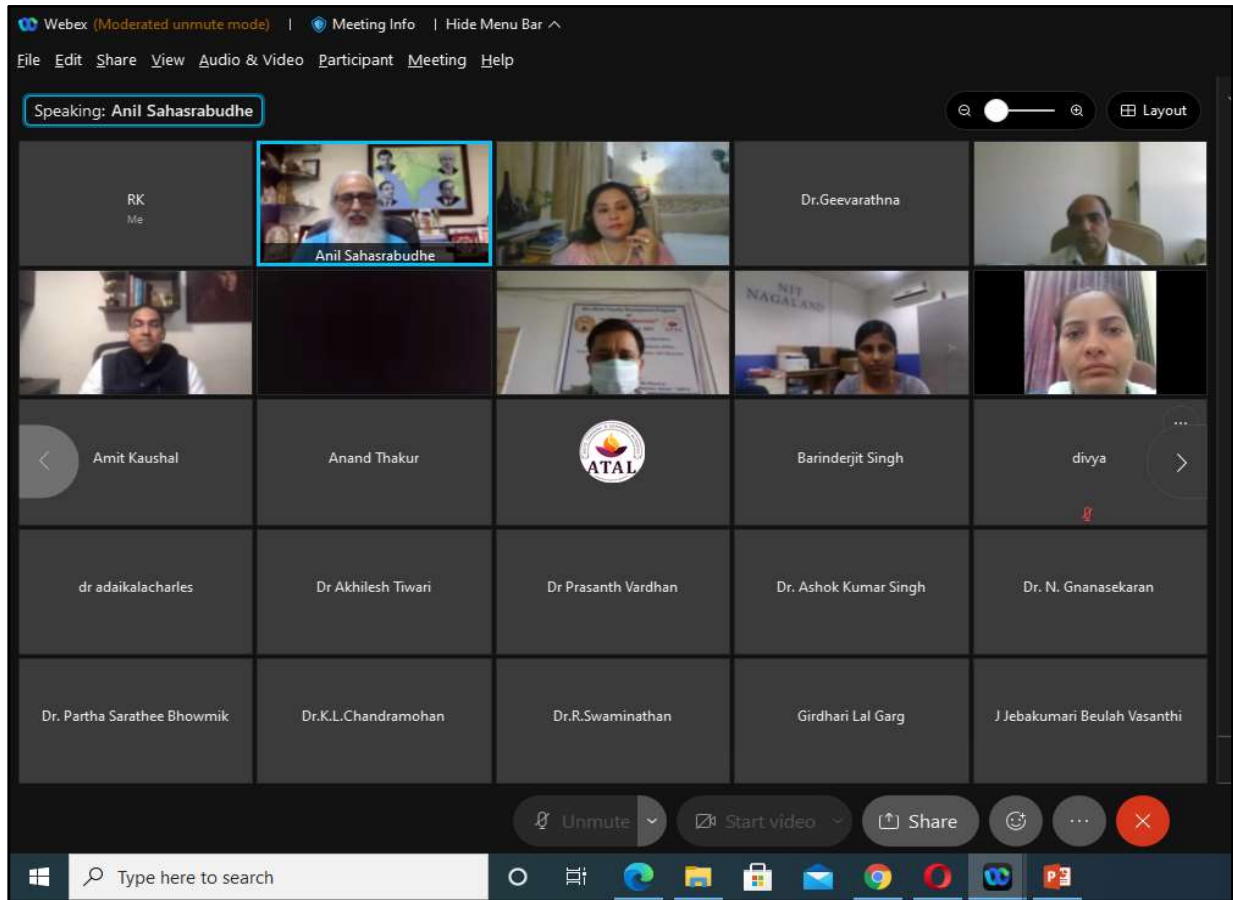
4th – 8th October 2021

GTU - Graduate School of Engineering and Technology has organized an online program based on the “Internet of Things & Its Applications”. A five-day online faculty development program on the theme “Internet of Things & Its Applications” courtesy of AICTE Training and Learning (ATAL) Academy was organized by the Graduate School of Engineering and Technology, Gujarat Technological University, from 4<sup>th</sup> to 8<sup>th</sup> October, 2021. The event was enthusiastically attended by professors and researchers from various colleges across India.

During the program, scholars, experts and professionals from top institutes of IoT sector like Dr. Ferdous Ahmed (IIIT Guwahati), Madhukant Patel (Teksun PVT LTD), Pinal Kumar Engineer (SVNIT), Shilpa Karekera (Myra Technology), Dhruvik Patel (Brainbean Technolabs), Ghanshyam Vaghasiya (Advanced Circuit Development Center, Surat), Dr. Jignesh Patolia (Charuset University), Dr. Rakesh Matam (IIT Guwahati), Dr. Radhika Kotecha (KJ Somaiya Institute of Engineering and Information Technology, Mumbai) Dr. Biswajit Mishra (DA-IICT), Dr. Nilesh Ranapura (E-INFOCHIP), Dr. Sharnil Pandya (Symbiosis Institute of Technology, Symbiosis International University), Dr. Rakesh Oza (Marwadi University) provided guidance on various topics.

In this FDP, topics were covered such as IoT Architecture, Elements and Sensors, M2M IoT Communication protocols, Development of Cloud based IoT, Data equalization, preprocessing and analysis, Application of Blockchain and IoT, MQTT based IoT development, Role of IoT in Industry 4.0. The IoT sector provided important information on Industry 4.0 as well as various other researches currently underway.

In addition, also explained how data can be sent to the IoT sector at high speed without error. Important protocols for increasing data speed and how to operate the device remotely were discussed. Also, IoT is one of the fastest growing sectors in the world today and it has a lot of opportunities and options to increase efficiency in all areas such as agriculture, communication and transportation. How it can be implemented was discussed. The topic of how the latest technology using IoT can be more useful to the society was also covered.



To make this program a success, the Vice Chancellor of the University, Prof. (Dr.) Navin Sheth, the Registrar Prof. K N Kher, as well as the director of the institute, Prof. (Dr.) S. D. Panchal was the constant guide. The program was successfully conducted by Pro. Komal Borisagar as well as Prof. Raj Hakani and his team Komalben Prajapati, Ranchhodbhai Khambhala and Harishbhai Vaghela.

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