

# Webinar: Digital Transformation using IoT

**Date: 29<sup>th</sup> May 2021**

**Time: 12:30 PM to 1:30 PM**

GTU-Graduate School of Engineering and Technology had organized the webinar on “Digital Transformation using IoT” on 29<sup>th</sup> May 2021. Dr. Mr. Adarsh Parikh (Associate Director, Infostretch Corporation) had talked about Digital Transformation. Internet of Things (IoT) is key of Digital Transformation Technologies. Digital transformation (DT) is all about data. IoT-based digital transformation is applied to many field like transportation, AR/VR, medical etc.

In this webinar expert discussed basics of digital transformation and how digital transformation is implemented by industry. He had also talked about Industrial IoT, Machine learning and how digital transformation can be used in various applications like smart factory, Internet of Medical Things (IMoT), License plate recognition etc.

Prof. Raj Hakani, Asst. Prof, GTU-GSET had given the concluding remarks and end the session with vote of thanks.

Total 24 students of GTU – GSET have attended this webinar.

## **Coordinators:**

Prof. Raj Hakani, Assistant Professor (GTU-GSET)

Prof. Rutika Ghariya, Assistant Professor (GTU-GSET)

## **OUTCOME:**

After attending webinar participant were able to identify research scope in field of digital transformation through IOT.

The image displays two screenshots from a webinar presentation. The left screenshot is a slide titled "Internet of Medical Things (IoMT)". It features a quote: "IoMT stands for devices that can collect and exchange data – either with users or other devices – via the internet, and are used to allow doctors to be more aware of a patient's condition on real-time basis." attributed to -ANDREW KELLER-. Below the quote are three bullet points: "The primary function of IoMT is monitoring patients' conditions and notifying the doctor in case of an emergency.", "It can include a lot of things like wearable devices, drug tracking system, medical supply chain, remote patient monitoring, and more.", and "IoMT can help increase the accuracy of diagnoses due to constant monitoring of health changes. IoT applications in healthcare help users stay connected to the doctors or nurses." The right screenshot is a diagram titled "Industrial IOT Center". It illustrates a multi-layered architecture. At the top is "Applications" with icons for Condition Monitoring, Predictive Maintenance, Safety, and Retraining. Below this is "Infrastructures & Platforms" which includes Stream Processing, Video Analytics, Machine Learning, Fog & Edge Computing, Device Management, Data Management, MQTT Communication, and Management & Orchestration. The next layer is "Networks & Connectivity" featuring LoRa, NB-IoT, SDN/NFV, and TSN/Wireless. At the bottom is "Devices" categorized into Smart City and Industry 4.0, with various icons representing these environments.