



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE, CHANDKHEDA

Brief Report on “Expert sessions on Recent Technologies” held under IEI Student Chapter(EC)

Name of Department/Organizer	:	Electronics & Communication Department and IEI Student Chapter
Date & Time	:	09/08/2018 & 10:30am to 3:00pm
Venue	:	A-Block Vishvesaraya Hall (Auditorium)
No of Participants	:	123 Students

- **Objective of the Event**

Expert talks on IoT, Big Data and Machine Learning are delivered by Pranav Purohit, Dr. Hemal Shah & Dr. Darshana Mistry respectively from E-Infochips. It was organized to develop the concept and to give the insight of Recent Engineering Technologies in brief.

- **Outcome of the Event**

Pranav Purohit Sir started his talk by giving some introduction about E-Infochips. He also gave brief introduction about the work which they do in the company and also discussed little bit about their projects. He then defined IoT as: “A system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction”. Later on, he explained the concept of IoT Industry. He said IIoT, is the use of internet of things technologies to enhance manufacturing and industrial processes. At the end he focuses on the possibility of project to be carried out with the use of IoT technology.

Dr. Hemal Shah Sir has defined the basic concept of Big Data. He explained the need of Big Data and also shared the simplified architecture of Big Data. He briefly defined it as : **Big data** is a term that describes the large volume of data – both structured and unstructured – that inundates a business on a day-to-day basis. But it's not the amount of data that's important. ... Big data can be analyzed for insights that lead to better decisions and strategic business moves. He explained the use of this technology in medical purpose to continuously monitor our health status. Later on, he gave insight of HADOOP by defining it as : **Hadoop** is an open-source software framework for storing data and running applications on clusters of commodity hardware. It provides massive storage for any kind of data, enormous processing power and the ability to handle virtually limitless concurrent tasks or jobs.

Dr. Darshana Mistry Mam has started her talk by giving the brief introduction on Machine Learning. She defined it as : **Machine Learning** is an idea to learn from examples and experience, without being explicitly programmed. Instead of writing code, you feed data to the generic algorithm, and it builds logic based on the data given. Many projects needs the help of this technology and so she

explains the same by giving few real time examples like clustering of data, Face recognition, medical diagnosis, Stock market prediction etc.

All sessions are ended by saying that any assistance in terms of technical/educational aspects will be provided to the VGEC students by providing their email id to contact.

Event Photographs

