

Activity Report

(Event organized by GNDEC Data Science Club)

Name of the Event: International Webinar on “*An Introduction to Internet of Things (IoT) Technology and its Relevance to Engineering*”

Date of Event: 2nd March, 2024 (Online Mode)

About the Guest Speaker:

Mr.Saravjit Singh is a Computer Science Graduate, has an MBA with more than 20 years of engineering experience. He started as an embedded systems engineer in R&D department of a Telecom company. This was followed by his journey at INFOSYS where he has worked in Internet Of things (IOT Domain). He has been part of Digital Transformation Programs for organizations running programs to connect diverse equipment (Cars, Agricultural Equipment like Tractor, Planter etc and Material Handling Equipment like Forklifts). He has extensive experience working out of multiple geographies (Asia, Europe and North America). He is currently based in Chicago, USA.

Data Science Club of GNDEC organized International webinar as one of its initiatives towards spreading awareness about recent advancements in Artificial Intelligence, IoT and Data Science allied fields. This webinar was organized in collaboration with American Association of Engineers of Indian Origin (AAEIO), which is an umbrella organization for engineers to promote and to innovate recent engineering concepts.

Webinar began with welcome speech delivered by Mr.Rajinder bir Singh Mago, Convener of the event. He welcomed Dr.Shajpal Singh, Principal GNDEC, Mr.Bladson Varghese President AAEIO and participants. Mr.Bladson Varghese spoke about the achievements and developments of AAEIO. Mr.Saravjit Singh revealed recent advancements in IoT and its relevant engineering concepts He spoke about various innovative projects and basics, which are in pipeline for development in different countries. As the field of IoT is evolving at a faster rate than one can imagine, this webinar proved to be very beneficial for students of UG and PG classes of various streams. Main objective of one day webinar was to enlighten students about various features and challenges of the IoT applications around the world. Total 206 students from different departments participated in this event and large number of students asked their queries regarding IoT architectures. Webinar ended with vote of thanks.

Flyer:

AMERICAN ASSOCIATION OF ENGINEERS OF INDIAN ORIGIN
(AN UMBRELLA ORGANIZATION FOR ENGINEERS TO ENGAGE PROMOTE INNOVATE)
in collaboration with

DATA SCIENCE CLUB
GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
PRESENTS INTERNATIONAL WEBINAR ON

**AN INTRODUCTION TO
INTERNET OF THINGS (IOT)
TECHNOLOGY**

**AND
ITS RELEVANCE TO
ENGINEERING**

GUEST SPEAKER
MR. SARVJIT SINGH

ABOUT THE SPEAKER
Mr. Saravjit Singh is a Computer Science Graduate, has an MBA with more than 20 years of engineering experience. He started as an embedded systems engineer in R&D department of a Telecom company. This was followed by his journey at INFOSYS where he has worked in Internet of Things (IoT Domain). He has been part of Digital Transformation Programs for organizations running programs to connect diverse equipment (Cars, Agricultural Equipment like Tractor, Planter etc and Material Handling Equipment like Forklifts). He has extensive experience working out of multiple geographies (Asia, Europe and North America). He is currently based in Chicago, USA.

CONVENER
MR. RAJINDER BIR SINGH MAGO
SENIOR ENGINEERING MANAGER, GLOBAL PRODUCT REGULATORY AFFAIRS NAVISTAR, INC., Lisle, IL, USA (RETIRED)

Saturday
2 March 2024

6:30 PM (IST)
7:00 AM (CST)

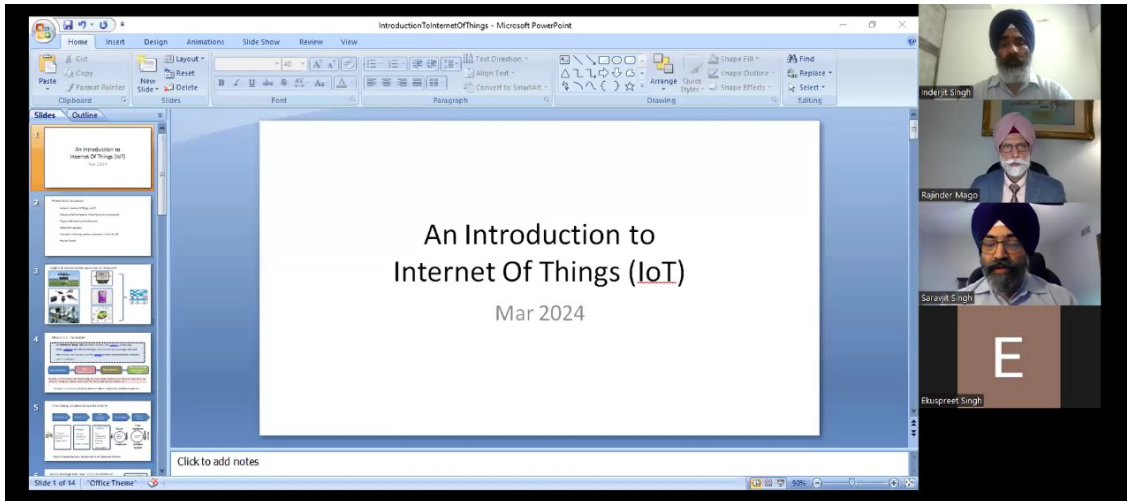
ONLINE
(zoom meeting)

SCAN FOR REGISTRATION

Participation Certificates will be issued to attendees

@datascience.gndec DATA SCIENCE CLUB, GNDCE For any query contact: +91 9877007421

Event Screenshots:



What is IoT - An Enabler

The **Internet of things (IoT)** describes devices with [sensors](#), processing ability, [software](#) and other technologies that connect and exchange data with other devices and systems over the [Internet](#) or other communications networks –
Source Wikipedia

Examples of data collected: GPS, Battery charge, Fuel Level, Engine Parameters, pH , Moisture, Temperature, Tire Pressure, Energy consumption, Water quality, Fault Codes, Maintenance information etc.

End to end high level view of IoT Architecture