

Name of the programme	IOT use cases in mechanical and industrial areas
Date	24 - 06- 2020
No. of Participants	42
Nature of participants	Internal Faculty Members and Students



Report on the Webinar
“IoT USE CASES IN MECHANICAL AND INDUSTRIAL AREAS”
Organized by
Department of Mechanical Engineering.
BSACIST

Presented by,
M. Abdur Rahman,
President & CEO, QARAI Solutions, Bangalore, India
Date & Time: 24/06/2020 11.00 AM to 12.00P.M

Coordinator:

M.Abdur Rahman,

Asst Professor,
Department of Mechanical Engineering,
School of Mechanical Sciences,
BSACIST.

Speaker:

M. Abdur Rahman,

President & CEO,
QARAI Solutions,
Bangalore, India

PREAMBLE

- The webinar on “**IoT USE CASES IN MECHANICAL AND INDUSTRIAL AREAS**” was organized in collaboration with QARAI Solutions, Bangalore, India. The presentation was delivered by M. Abdur Rahman, President & CEO, QARAI Solutions. The webinar offers a brief introduction to IOT and how its concepts can be applied in the field mechanical engineering. The speaker highlighted that the concepts of IOT might be much more minimalistic, having only a printed circuit board and a few other bundled components for exchanging data with other IoT nodes. It could be anything from a sensor embedded on an assembly line, to a refrigerator capable of communicating with various cloud computing services to reorder specific items for delivery. Such variety and general simplicity means that the IoT’s scale is potentially massive. This concept of Internet of Things (IoT) is changing the way products are designed, prototyped and manufactured.

Manufacturers that fail to keep up with the IoT's march into their sector will quickly fall behind, and with that in mind, we've decided to look at some of the recent developments and consider what they mean specifically for mechanical engineering. The world is searching for an alternative without compromise on the performance. products to be assessed remotely and for manufacturers to spot opportunities to improve features and fix common issues. Now, when sourcing components, prioritize those that include sensors, which will enable vital data sent back to base for review.

- Given the way product development is changing, it is probably no surprise that motors, valves, pumps and other traditional components are fast being operated by software as standard. Mechanical engineers will therefore need to refresh their supplier base to ensure they have access to the latest software-driven controls.
- The presenter gave many use cases of IoT in mechanical engineering field, for e.g. he spoke on how oil leakage in an automobile can be controlled, IoT collaborated with robotics field for industrial automation, the use of IoT in controlling the house hold devices, wind mills, IoT and Artificial intelligence etc. The presentation was very interactive, where both the listeners and the presenter discussed on many issues related to IoT. The speaker answered many questions posed by the attendees, especially our college students.



(Abdur Rahman M)

Coordinator



HOD (Mech)

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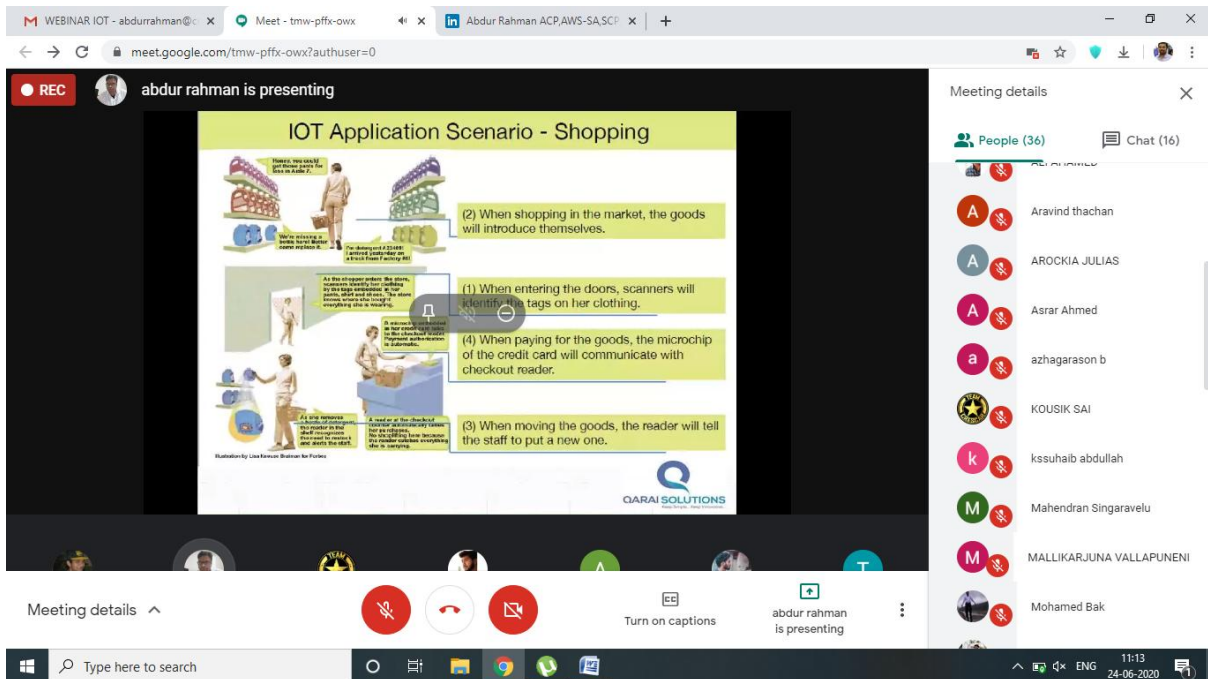
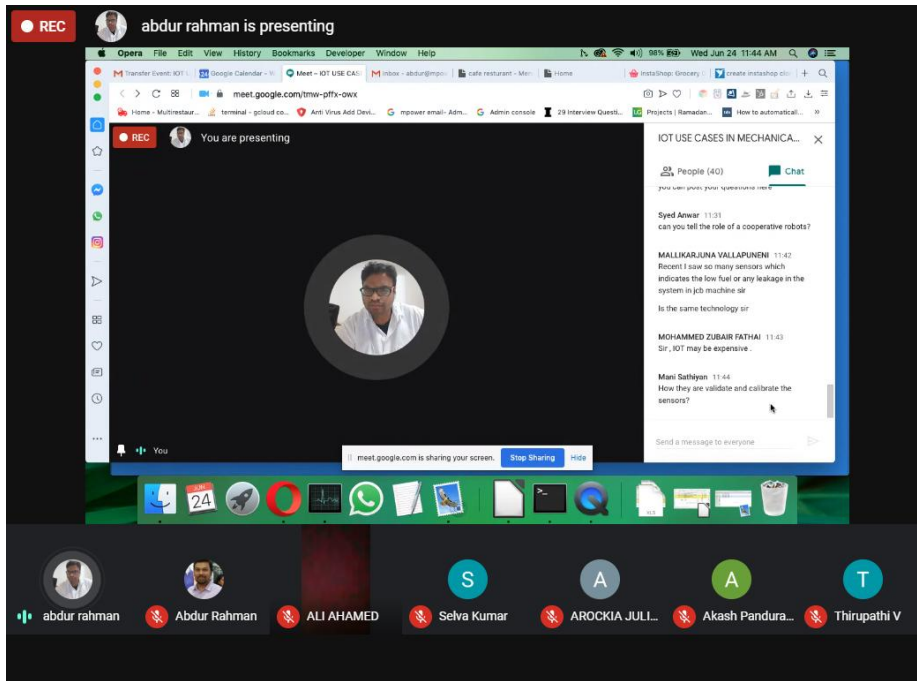
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Some Screen shots of the webinar:



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Organized by the Department of Mechanical Engineering

WEBINAR

on

“IOT USE CASES IN MECHANICAL AND INDUSTRIAL AREAS”



WHAT IoT MEANS TO MECHANICAL ENGINEERS

More sensors will be embedded in products, driving change in the early phases of design.

Design-intent needs to incorporate the ability to install push updates and make field upgrades.

Data mining, performance metrics, and other statistical data on usage and application will influence the future design of that product.

Engineering Firms may be adjusting their go-to-market strategy and customer relations processes to incorporate new perpetual life-cycle management programs.



M. Abdur Rahman

President & CEO

QARAI Solutions,

Bengaluru, Karnataka, India

About the presenter

President & CEO @ QARAI SOLUTIONS

20+ years of experience, he has become a recognised Agile speaker, mentor, and practitioner in the software industry. He is responsible for product development, exploring new and promising technologies, exploring best practices of distributed software development and contributing to the technology roadmap for the organisation. Abdur is a technologist at heart and is never too far away from the keyboard. His blogs have various Technology conferences and written articles on Software development on 'Agile Journal' and 'Bigdata for all'. He is an Agile Editor on InfoQ.com where he posts the latest and greatest in the Agile and Big Data community. Abdur has a Masters in Software Systems and a degree in Physics. He has worked with several big system integrators like TCS, CTS and Ford. He was the driving force behind three startups Qatalys, Altimetrik, Corpus India and IGTS which went on to become successful in their respective domains.

Specialties: Delivery Management, Program management, Scrum, RUP, Testing and QA, Agile development, Strategic IT, Directory services, JEE, java, architecture, consultancy, IBE, Big Data & Data Analytics, Spring and Oracle DB Experience in key functions such as Enterprise Agile Transformation, Big Data, Design Thinking and Delivery/Program Management.

Date: June 24th 2020

Time: 11.00 AM





Ref.No: CRESCENT/ MECH /WEBINAR

DATE: 24.06.2020

CERTIFICATE OF PARTICIPATION

This is to certify that
Mallikarjunan KP

has actively participated in the webinar on “IoT USE CASES IN MECHANICAL AND INDUSTRIAL AREAS”, organized by the Department of Mechanical Engineering, BSA Crescent Institute of Science and Technology, Chennai – 48, on 24th June 2020.

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