

RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Academic Year 2021 – 2022 (Even Semester)

<u>Details of Programme Organized</u>

Sl. No.	Contents	Details
01.	Title of the programme	Smart Applications of IoT for the Community
02.	Programme Theme	Research opportunities
03.	Programme Type	Webinar
04.	Details of resource person	Prof. Mohd Helmy Abd Wahab Principal Research Fellow Advanced Telecommunication Research Center Faculty of Electrical and Electronics Engineering Universiti Tun Hussein Onn Malaysia Malaysia
05.	Mode & Venue / Platform	Google Meet https://meet.google.com/ebg-zyon-ydg
06.	Date & Duration	20.07.2022 & 1hour 15 minutes
07.	No. of Student Participants	12
08.	No. of Faculty Participants	16
09.	No. of External Participants	4
10.	Expenditure amount (if any)	NIL
11.	Registration Link	https://tinyurl.com/INT007-SIOT

12. Objective of the Programme:

To impart knowledge on cutting edge technologies (Smart IoT systems in community applications)
to the participants and to upgrade the expertise of the faculty members in mechanical engineering
and allied engineering field.

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13. Detail description of the activity:

Extramural Lecture Series on the topic "Smart Applications of IoT for the Community" was organized by Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam on 20.07.2022. The main objective of this ELS is to impart knowledge about cutting edge technologies related to applications of IoT in solving community problem and its benefits. The Resource Person was Prof. Mohd Helmy Abd Wahab, Principal Research Fellow, Advanced Telecommunication Research Center, Faculty of Electrical and Electronics Engineering, Universiti Tun Hussein Onn Malaysia, Malaysia

Dr.S.Godwin Barnabass, ASP/Mech welcomed the participants and Dr.J.Jabinth, AP/Mech delivered the introduction about the resource person. Prof. Mohd Helmy Abd Wahab gave a brief introduction about Internet of Things (IoT) and its current trend in the modern era. He listed the various domains / applications of IoT as follows:

- Building and Home automation
- > Manufacturing
- > Medical and Healthcare
- > Media
- > Environmental Monitoring
- Infrastructure management
- Energy management
- > Transportation
- > Better quality of life for elderly citizens

Towards the second half of the session, the resource person explained how the IoT had improved the quality and life style of people with case examples like Smart weather station, smart parking, etc. Later, he narrated his experience in working on the IoT applications in the University where he is currently associated with. He in detail explained the following where he is having rich experience and knowledge through practical implementation:

- > Smart recycle bin as a lab scale prototype
- > Recycle bin notification system and location tagging using GSM

He concluded his session with achievements reached through this project. Finally, the session ended with Q&A, where the queries asked by the participants were clarified by the Professor. The vote of thanks was given by Dr.S.Godwin Barnabass, ASP/Mechanical, RIT. The total no. of participants presented in the webinar was 32 including 4 external participants. The overall feedback of the program was good.

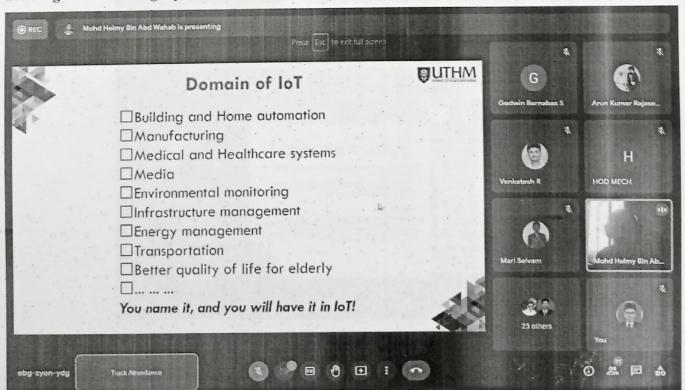
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14. Banner / flyer of the programme:



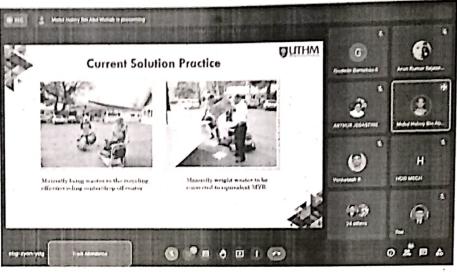
15. Programme Photographs:

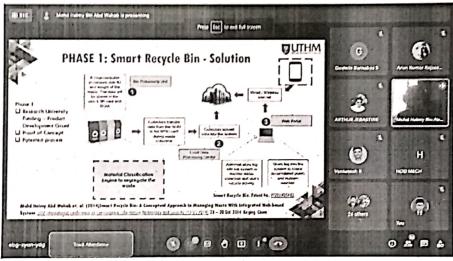


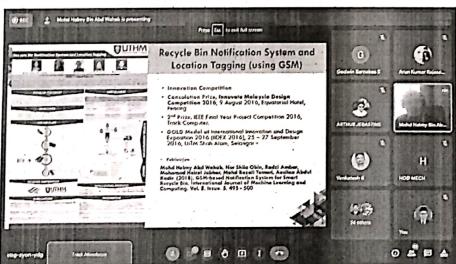
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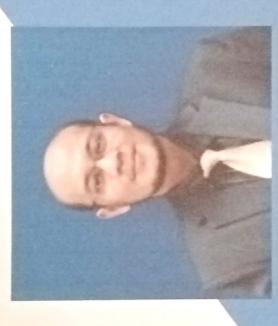
Department of Mechanical Engineering

SMART APPLICATIONS OF IOT FOR THE COMMUNITY EXTRAMURAL LECTURE SERIES(ELS) - INTOO8

Research Credentials







Mohd Helmy Abd Wahab

Universiti Tun Hussein Onn Malaysia, Malaysia Faculty of Electrical and Electronic Engineering Principle Research Fellow

Malaysia Time:04.30 P.M. Date : July 20, 2022 IST: 02.00 P.M.

Registration Link: https://tinyurl.com/INT008-SIOT

Dr.P.SURESHKUMAR

Dr.L.CANESAN