



# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to R.G.P.V. Bhopal)

Near Gola Ka Mandir, Gwalior-474012; [www.mitsgwalior.in](http://www.mitsgwalior.in)

## Department of Mechanical Engineering

20/12/2022

### Report of Expert Talk

#### On

#### “IoT (How Industry & Technology is Moving)”

The Department of Mechanical Engineering has conducted an expert talk on “*IoT (How Industry & Technology is Moving)*” on 20<sup>th</sup> December 2022 (Tuesday) from 12:00 PM – 03:00 PM in the seminar hall-II. The expert talk on “*IoT (How Industry & Technology is Moving)*” organized especially for the students of the MITS Gwalior (MP). This session was jointly organized with Computer Science & Engineering.

Our Proud alumni of batch 1992, Mr. Ashish Khare General Manager and Global Head IoT & 5G, Wipro Limited delivered a lecture on “*IoT (How Industry & Technology is Moving)*”. The Mechanical Engineering Department had conducted this talk under the Institution’s Innovation Council (IIC).

#### **Brief Objectives of the Program**

Young brigade of India need to understand the current technologies and its significance in Mechanical Engineering.

#### **Objectives:**

- (a) To make student familiar with the internet of things (IoT).
- (b) To motivate collaboratively work with Industry.
- (c) To enhance the quality of the projects.
- (d) To develop the innovative ideas for the technological solution of various problems.
- (e) To provide the job opportunities for the students.

#### **Salient points of discussion / deliberations**

- IoT and areas of intervention.
- Global market and connectivity.
- IoT as enabler of communities in future aspects of Mechanical Engineering.
- Utilization of IoT in smart cities for saving water. We can prevent leakages with IoT system and save at least 35 % water.
- Discussion on the implementation of the IoT related courses on institute curriculum.
- Discussed about the 5G technology



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### Outcomes

- How 5G technologies spreading in India?
- IoT is about connecting these unconnected devices (things) and sending their data to the cloud or Internet to be analyzed.
- IoT covers a wide spectrum of applications, including the detailed real-time sensing of our environment and the embedding of connected intelligence into everyday objects.
- Key feature of 5G networks, establishments and its advantages in various sectors.
- Learn about the effectiveness of IoT with 5G Network.
- Activity and Q & A session on the understanding of concept “5G and IoT”.
- Understand about small scale startup policies with reference of 5G network.
- They are ready to help in updating the syllabus of data science and machine learning.
- To help in preparation for getting jobs in industries.
- The influence of IoT reaches across an entire ecosystem of things from consumer products to advanced manufacturing automation solutions. From industry to industry, IoT solutions impact the way companies design, manufacture, operate, and service products, as well as, redefine and optimize existing business processes across the value chain.

Overall, this interaction was very informative for all participants.

The seminar poster and glimpses are given below:

**An Expert Talk on IoT**  
[How Industry & Technology is Moving]

**Mr. Ashish Khare**  
General Manager and Global Head  
– IoT & 5G, Wipro Limited

**Date and Time**  
20<sup>th</sup> December 2022  
12:05 PM

**Venue: Seminar Hall - II**

Jointly Organized by  
Department of Mechanical Engineering  
&  
Computer Science Engineering

**Madhav Institute of Technology & Science, Gwalior- 474005**  
Contact: Dr C. S. Malvi, Dr. Manish Dixit, Dr. Gavendra Norkey (8770541940)



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5G Readiness

### Incremental happening on 5G







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### Attendance Sheet

An Expert talk on "IoT (How Industry & Technology is Moving)" 20/12/20

S.No.	Student Name	Enrollment No.	Sign
1	Niharika Pachari	0901CS221000	[Signature]
2	Harsh Jain	0901CS221050	[Signature]
3	Harshit Sharma	0901CS221054	[Signature]
4	Rohit Srivastava	22CS162A105	[Signature]
5	Mamanshu Kumar Singh	22me10hr301	[Signature]
6	Kushagra Bhatnagar	22me10k09	[Signature]
7	Miyaushu Bhatnagar	22me10R298	[Signature]
8	Aman Gupta	22me10am11	[Signature]
9	Akhil Singh	22me10ab53	[Signature]
10	Yamraj Singh	22me10ab73	[Signature]
11	Anshuman Patel	0901CD221012	[Signature]
12	Shreyas Chaudhary	0901AJ221060	[Signature]
13	Dipanshu Patel	0901AJ221026	[Signature]
14	Vedant Malik	0901ME221073	[Signature]
15	Shreyansh Jain	0901ME221061	[Signature]
16	Shreyansh Tewari	22me10sh7	[Signature]
17	Girish Rana	0901ME223025	[Signature]
18	Dev Pal	0901ME221020	[Signature]
19	Harsh Khandelwal	0901CS221052	[Signature]
20	Devansh Rajput	0901CS221029	[Signature]
21	Dev Srivastava	0901ME221021	[Signature]
22	Smriti Anandani	0901ME221067	[Signature]
23	Aman Zafar Qureshi	0901ME221007	[Signature]
24	Dhyanesh Sharma	0901ME221024	[Signature]
25	Vishal Pratyak Singh	0901ME221070	[Signature]
26	Akshay Singh	0901ME221010	[Signature]
27	Vinayak Singh	0901ME221074	[Signature]
28	Sambhiddhi Chaudhary	0901ME221052	[Signature]
29	Tanmay Waring	0901ME221063	[Signature]

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30	Bashant kumar	0901CS221100	[Signature]
31	Kunal Jais	0901CS221075	[Signature]
32	Karan Chandra	0901CS221062	[Signature]
33	Himsagar Rajput	0901CS221056	[Signature]
34	Vijay Prajapati	0901CS221147	[Signature]
35	Rohit Upadhyay	0901ME221049	[Signature]
36	Sandeep Singh	0901CM221005	[Signature]
37	Shri Kamesh Singh	0901ME221056	[Signature]
38	Ashish Chaurasia	0901ME221018	[Signature]
39	Aakumil Singh	0901CH221006	[Signature]
40	Anya Chaurasia	0901CM221002	[Signature]
41	Sneha Bhikande	0901CM221007	[Signature]
42	Sanki Gajbhiye	0901ME221004	[Signature]
43	Anand Dasg	0901ME221014	[Signature]
44	Ashwanya Chaurasia	0901ME221008	[Signature]
45	Kumkum Chaurasia	0901CH221003	[Signature]
46	Aadha Singh	0901ME221001	[Signature]
47	Priyanka	0901ME221044	[Signature]
48	Nidhi Tewari	0901CS221087	[Signature]
49	Ayansh Anon	0901ME221019	[Signature]
50	Aman KHAN	0901ME221078	[Signature]
51	Priyanshu Singh	0901CS221102	[Signature]
52	Akshita Rana	0901CS221129	[Signature]
53	Shreya Singh	0901CS221130	[Signature]
54	Rudraksh Gupta	0901CS221118	[Signature]
55	Shyam Sharma	0901ME221039	[Signature]
56	Sachin Chaudhary	0901ME221050	[Signature]
57	Pranshu Chakraborty	0901ME221041	[Signature]
58	Haran Prade	0901ME221026	[Signature]
59	Ankit Namdeo	0901CS221015	[Signature]

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60	Raj Kumar	0901CS221107	[Signature]
61	Sarabha Kamran	0901ME221066	[Signature]
62	Priyanshu Tamar	0901ME221042	[Signature]
63	Himanshu Sharma	0901ME221029	[Signature]
64	Kuldeep Bhargava	0901CS221074	[Signature]
65	Abhishek Singh Tomer	0901ME221004	[Signature]
66	Aman Goyal	0901CS221011	[Signature]
67	Tanmay S.	0901CS221022	[Signature]
68	Mohd. Fajar	0901CS221080	[Signature]



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Thanks with regards

Dr. Gavendra Norkey  
I/c of Departmental Activity

Dr. Manoj Kumar Gaur

Professor and Head Department of Mechanical Engineering