

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust[®], Udupi)

Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka



Activity Report

Academic Year	2022-23
Name of the Program	Mechanical Engineering
	12th November 2022
Audience	Mechanical Engineering Students
Resource Person	Mr. <u>Subarno Bhattacharyya</u> , Deputy Registrar, Directorate of Online Education, Manipal University, Jaipur
Number of Participants	40

Department of Mechanical Engineering in association with ISTE Student Chapter has organised an invited webinar on the topic "Industry 4.0" on 12-11-2022 at 11:00 am in Seminar Hall (Admin Block). Mr. Subarno Bhattacharya, Deputy Registrar, Directorate of Online Education, Manipal University, Jaipur was the resource person.

The following points were described during the webinar

Industry 4.0 is a broad vision with clear frameworks and reference architectures, mainly characterised by the bridging of physical industrial assets and digital technologies in so-called cyber-physical systems.

1. Industry 4.0 is a vision that evolved from an initiative to make the German manufacturing industry more competitive ('Industry 4.0') to a globally adopted term.
2. The goal is to enable autonomous decision-making processes, monitor assets and processes in real-time, and enable equally real-time connected value creation networks through early involvement of stakeholders, and vertical and horizontal integration.
3. The fourth industrial revolution and the impact of the drivers and technologies behind Industry 4.0 have been looked at from the perspective of various sectors after the concept was launched.
4. In essence, the technologies making Industry 4.0 possible leverage existing data and ample additional data sources, including data from connected assets to gain efficiencies on multiple levels, transform existing manufacturing processes, create end-to-end information streams across the value chain and realise new services and business models.
5. Industry 4.0 builds upon data models and data mapping across the mentioned end-to-end product life cycle and value stream. All the technologies in Industry


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- 4.0 need to be seen in that perspective whereby integration is key.
6. Integrations in Industry 4.0: Vertical and horizontal integration as all systems change, The first is vertical integration whereby all the systems in the traditional automation pyramid are affected: from field level and control level to production level, operations level and enterprise planning level.

In the second phase during Q&A session, queries from students were considered and answered in a very convenient way.

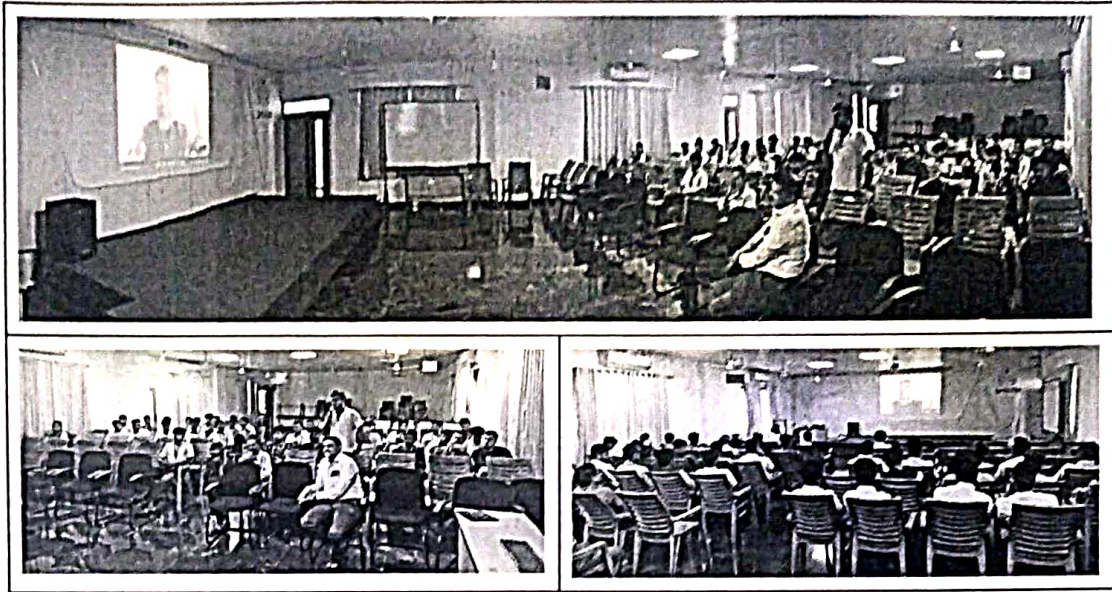
Dr. Sudarshan Rao K, HoD, Dept. of Mechanical Engineering, and many faculty from the department were present during the event. The event was coordinated by Mr. Sudhir, ISTE Dept. Coordinator.



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Event: Industry 4.0

Date: 12th November 2022

Venue: Seminar hall, Admin block

Lat: 13.254605°

Long: 74.785047°

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DEPARTMENT OF MECHANICAL ENGINEERING



Attendance - Industry 4.0

Sl. No.	USN	Name
1	4MW18ME029	SHREERAM BHARADWAJ
2	4MW20ME001	ABISHEK D
3	4MW20ME002	ANKITH SUVARNA
4	4MW20ME003	ANSHUMAN
5	4MW20ME004	K N SHREESHA ACHAR
6	4MW20ME005	KARTHIK R MOOLYA
7	4MW20ME006	MANJUNATH SANJEEVAPPA BARADELI
8	4MW20ME007	MOHAMMED ATHIQ
9	4MW20ME008	ROHAN U PALAN
10	4MW20ME009	SAURABH S ACHARYA
11	4MW20ME010	SHODHAN SHETTY
12	4MW20ME011	SUDEEP N R
13	4MW20ME012	VIKRAM
14	4MW15ME079	PRATHWIK
15	4MW18ME004	CHANDAN NELLI M K
16	4MW19ME002	CHETHAN A NAIK
17	4MW19ME003	H J GAGAN
18	4MW19ME004	K AMBRUTHESH
19	4MW19ME005	KIRAN
20	4MW19ME006	LIKHITH
21	4MW19ME007	LOHITH
22	4MW19ME008	M V VIGNESH
23	4MW19ME009	MOHAMMED RIDAN
24	4MW19ME010	N GAUTHAM BHAT
25	4MW19ME011	NIKHIL KUMAR MOOLYA
26	4MW19ME012	PRASAD MARUTI GHORPADE

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27	4MW19ME013	PRASHANTH
28	4MW19ME015	RATHAN PATKAR
29	4MW19ME016	RAVIRAJ
30	4MW19ME018	SAYED MOHAMMED HUSSAIN
31	4MW19ME019	SHABARISH R POOJARY
32	4MW19ME020	SHARON EDEN MENEZES
33	4MW19ME021	SUBRAMANYA POOJARY
34	4MW19ME023	SUMANTH GANAPATHI HEGDE
35	4MW19ME024	VIGHNESH UDUPA
36	4MW19ME025	WELTON ASLAM DSOUZA
37	4MW19ME026	PUNITH R
38	4MW20ME400	PRATHIK AMBALPADY
39	4MW20ME402	SHARATH KUMAR S
40	4MW20ME403	SHESHAGIRI VAIKUNTH PAI
41	4MW21ME009	KIRAN
42	4MW21ME010	LIKHITH YERMAL
43	4MW21ME011	MANEESH
44	4MW21ME012	SAURABH R ACHARYA
45	4MW21ME013	SHASHWATH KOTIAN
46	4MW21ME014	SHARAVANA KUMAR
47	4MW21ME016	YOGENDRA KUMAR SUTHAR
48	4MW22ME400	GURUKIRAN B
49	4MW22ME401	ROHITH
50	4MW22ME402	S CHETHAN

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