

**CII & IITD-AIA Masterclass on Smart Manufacturing : Day 1- 6th Nov,2023**

<b>Duration</b>	<b>Time</b>	<b>Topics</b>	<b>Description</b>	<b>Concerned person</b>	<b>Organization</b>	<b>Location</b>
30 mins	08.45 AM-09:15 AM	High Tea & Registration		FSM Staff	CII & FSM	LHC
15 mins	09:15 AM-09:30 AM	Inauguration		CII-FSM	CII & FSM	LHC
1 Hr, 30 mins	09:30 AM - 11:00 AM	Overview of Smart Manufacturing and Industry 4.0	Interactive lecture	Prof. Sunil Jha	IAFSM	LHC
20 mins	11:00 AM - 11:20 AM	Case study 1. Smart lathe machine and its implementation process	Presentation will be shown mentioning hardware installed,data caputred and utlization of the data and then live demo of machine operation along with data caputrization on screen will be displayed.	Prof. Sunil Jha	IAFSM	LHC
10 mins	11:20 AM - 11:30 AM	Case study 2. Smart shearing machine and its implementation process	Presentation will be shown mentioning hardware installed,data caputred and utlization of the data.	Prof. Sunil Jha	IAFSM	LHC
10 mins	11:30 AM - 11:40 PM	Refreshment		FSM Staff	IAFSM	LHC
10 mins	11:40 PM - 11:50 PM	Case study 3. Robotic Welding Cell	Presentation will be shown mentioning hardware installed,data caputred and utlization of the data.	Prof. Sunil Jha	IAFSM	LHC
20 mins	11:50 PM - 12:10 PM	Case study 4. Internet of Things deployment at our cyber physical facility.	Live display on screen,operating the cyber physicial lab using lab autonomy-IIOT.	Prof. Sunil Jha	IAFSM	LHC
50 mins	12:10 PM - 01:00 PM	Smart Sensing for Industry 4.0		Mr. Sudhanshu Kantoor	Pepperl+Fuchs	LHC
1 Hr	01:00 PM - 02:00 PM	Lunch		FSM Staff	IAFSM	LHC foyer

Duration	Time	Topics	Description	Conerned Person	Organization	Location
1 Hr	02:00 PM – 03:00 PM	Hands-on demonstrations of Smart Manufacturing technologies and tour of IAFSM CP Lab.	1.Demo of assembly line, IIOT, AR & VR. 2.Demo of Smart machine and Robotic welding cell.	FSM Technical team	IAFSM	CP LAB
			1.Batch A & B will move to Cyber Physical Lab. 2.Batch C & B will move to Central workshop.		IAFSM	Central Workshop
1 Hr	03:00 PM - 04:00 PM	Hands-on demonstrations of Smart Manufacturing technologies and tour of IAFSM CP Lab.	1.Demo of assembly line, IIOT, AR & VR. 2.Demo of Smart machine and Robotic welding cell.	FSM Technical team	IAFSM	CP LAB
			1.Batch A & B will move to Cyber Physical Lab. 2.Batch C & B will move to Central workshop.	FSM Technical team	IAFSM	Central Workshop
1 Hr, 15 mins	04:00 PM - 05:15 PM	Discussion among groups on the technology demonstrated and find use cases.	All the batches move to LHC room and prepare a list, mentioning the areas where the technology like IIOT, AR, VR etc can be implemented.	Prof. Sunil Jha	IAFSM	CP LAB
	5:15 pm	High Tea and Networking		FSM Staff	IAFSM	LHC foyer
<b>Note : LHC - Lecture Hall Complex &amp; CP Lab - Cyber Physical Lab</b>						

**CII & IITD-AIA Masterclass on Smart Manufacturing : Day 2- 7th Nov,2023**

<b>Duration</b>	<b>Time</b>	<b>Topics</b>	<b>Description</b>	<b>Conerned Person</b>	<b>Organization</b>	<b>Location</b>
45 mins	08.45 AM-09:30 AM	High Tea		FSM Staff	FSM	LHC
1 Hr	09:30 AM – 10:30 AM	Moving towards Predictive Quality	Interactive lecture	Kalyan Ram	Electrono Solutions Private Limited	LHC
50 mins	10:30 AM – 11.20 AM	Connected Assets & Asset Monitoring.	Interactive lecture	Prakash Balaguru	Rockwell automation	LHC
10 mins	11.20 AM - 11.30 AM	Refreshment		FSM Staff	IAFSM	LHC
50 mins	11:30 AM - 12.20 PM	Manufacturing Execution System	Interactive lecture	Mr. Vinesh	Base Automation	LHC
40 mins	12.20 PM - 01:00 PM	Dashboard Creation	Interactive lecture	Prof. Sunil Jha	IAFSM	LHC
1 Hr	01:00 PM – 02:00 PM	Lunch		FSM Staff	IAFSM	LHC foyer
1 Hr	02:00 PM – 03:00 PM	Understanding the challenges in implementing Smart Manufacturing .	Interactive lecture	Mr. Anup Wadhwa	AIA	LHC
1 Hr	03:00 PM – 04:00 PM	Project ideation	Discussion among attendees the implementation of the learning and then presentation by one member of the group. (Total 8 groups of 5 people each)	Mr. Anup Wadhwa	AIA	LHC
1 Hr	04:00 PM – 05:00 PM	Roundtable discussion and Q&A session,Next Steps and certificate distribution	Interaction between groups	Prof. Sunil Jha / Mr. Anup Wadhwa	IAFSM/AIA	LHC
15 mins	05.00 PM - 05.15 PM	Vote of Thanks	Discussion	Prof. Sunil Jha / Mr. Anup Wadhwa	IAFSM/AIA	LHC
	5.15 PM	High Tea and Networking		FSM Staff	IAFSM	LHC foyer

**1. Total participants are 41 , and will be divided into 8 groups consisting of 5 to 6 people each, A1,A2,B1,B2,C1,C2,D1,D2.**

**2. For project ideation these 8 groups will prepare their own notes and one person from each group may come forward and present.**