

File No. 15/17/2018
 Department of Heavy Industry
 Ministry of Heavy Industry & Public Enterprises
 New Delhi, August 8, 2020

Office Memorandum

Subject: DHI Calendar of Industry 4.0 webinars for FY 2020-2021

The undersigned is directed to convey "in principle" approval to the Calendar of Industry 4.0 webinars as attached. The following general guidelines may be followed while conducting the webinars:

- a. The backdrop design for all the webinars shall be uniform and shall have the logo of DHI.
 - b. The panel of experts to be invited may include industry practitioners, NASSCOM and academic experts to help explain the relevance of Industry 4.0 especially in the context of the Indian MSMEs. Academic institutions, training institutions may also be involved. An attempt must be made to invite all industry/ manufacturing associations to disseminate the knowledge widely.
 - c. The webinar calendar, you tube links of the webinar, feedback/ reports/ contacts for further queries shall be uploaded on the SAMARTH UDYOG Website managed by CMTI as suggested in the meeting held with the four Samarth Centres on July 24, 2020.
2. It is further requested to forward the report of the each webinar report to this Department and the same may also be uploaded on Samarth Udyog website.



(Sanjiv Kumar Gupta)
 Under Secretary to the Government of India
 Tel 011- 23063984

To,

S.No.	Address
1.	Shri Anup Wadhwa Director, Automation Industry Association (AIA) Email- director@aia-india.org
2.	Dr. Sunil Jha Professor, Indian Institute of Technology, Delhi Email- suniljha@mech.iitd.ac.in
3.	Shri Dattatraya Navalgundkar Director, Samarth Udyog Technology Forum, Pune Email- navalgundkars@kpcl.net
4.	Dr. Nagahanumaiah, Director, CMTI, Email- director.cmti@nic.in
5.	Shri Amaresh Chakarbarti Professor, Indian Institute of Science (IISc) Email- ac123@iisc.ac.in

Copy for information to:

1. Directors of IITs/ NITs
2. CEOs/ Heads of All Industry Associations of Capital Goods Sector

DHI Calendar for Industry 4.0 activities scheduled to be conducted in FY 2020-2021

S.No.	Proposed month/ date	Event details	Organizer
1.	28 th July, 2020	Webinar: Smart Manufacturing and the Pandemic	CMTI & UVCE
2.	31 st July, 2020	Overview of Smart manufacturing (2 hours + additional online)	IAFSM, New Delhi
3.	10 th August 2020	Webinar- Introduction to Smart Manufacturing and Industry 4.0 (for beginners) (1.5 Hrs.)	CMTI
4.	10 th August 2020	Webinar- Smart Machines and Machining Technologies (for Professionals) (1.5 Hrs)	CMTI
5.	11 th -12 th August 2020	Online academy skill development(6 Hours Paid)- (a) Digital manufacturing	C4i4
6.	12 th August 2020	Awareness - CoVID 19 Webinar (1.5 hours)	IISc
7.	13 th August 2020	Webinar- Condition Based Monitoring for CNC Machine Tools (for Professionals) (2 Hrs)	CMTI
8.	14 th August 2020	Webinar- Manufacturing Intelligence (for Professionals) (2 Hrs)	CMTI
9.	17 th August 2020	Webinar- Industry 4.0 technology pillars (for Beginners)	CMTI
10.	17 th August 2020	Webinar- Smart Factories (for Professionals) (1.5 Hrs)	CMTI
11.	18 th August 2020	Webinar- Block Chain Technology/computing	CMTI
12.	19 th August 2020	Overview of Industrial Internet of Things (2 hours + additional online)	IAFSM
13.	20 th August 2020	Webinar- Smart Factory Solutions	CMTI
14.	21 th August 2020	Knowledge Club- Industry 4.0 and Gearbox Manufacturing	C4i4
15.	24 th August 2020	Webinar- Conversion of Legacy Machines to IIoT Smart Machines (for Professionals)	CMTI
16.	25 th August 2020	Webinar: Machine Connectivity and IIoT Enabled Technologies	CMTI
17.	26 th August 2020	Webinar- OPC UA and its applications in Process Monitoring, Condition monitoring (for professionals)	CMTI
18.	27 th August 2020	Advanced Design/ Manufacturing Webinar (1.5 hour)	IISc
19.	27 th August 2020	Online academy skill development (6 Hours Paid)- Design 4.0.	C4i4
20.	28 th August 2020	Overview of Smart manufacturing (2 hours + additional online)	IAFSM
21.	August 2020- Dec 2020	Training Education PhD Advanced Manufacturing Year 2 Projects (PhP)	IISc

22.	1st September 2020	Webinar- Smart Aggregates	CMTI
23.	3 rd September 2020	Cluster seminars for SME/ MSME (2 hours)	C4i4
24.	5 th September 2020	Fundamentals of Smart Manufacturing (4 hours + 6 hours e learning + project + follow up certificate)	IAFSM
25.	7 th September 2020	Webinar-Smart Machines and Machining Technologies (for Professionals)	CMTI
26.	8 th September 2020	Webinar-IIoT Implementations on Smart Foundry (for Professionals)	CMTI
27.	9 th and 10 th September 2020	Online academy skill development (6 Hours Paid)- (a) Data science for manufacturing	C4i4
28.	9 th September 2020	Webinar-Condition Based Monitoring for CNC Machine Tools (for Professionals)	CMTI
29.	9 th September 2020	Awareness - CoVID 19 Webinar (1.5 hours)	IISc
30.	14 th September, 2020	Webinar-Industry 4.0 technology pillars (for Professionals)	CMTI
31.	17 th September, 2020	Webinar-.Smart Factories (for Professionals)	CMTI
32.	14 th – 27 th September 2020	Faculty development program (32 hours paid)	C4i4
33.	15 th September 2020	Webinar-Block Chain Technology/computing	CMTI
34.	16 th September, 2020	Overview of augmented reality in manufacturing (2 hours live + additional online)	IAFSM
35.	16 th September 2020	Webinar-Data Analytics and Hands on Data Analytics	CMTI
36.	16 th September 2020	Webinar-Smart Factory Solutions	CMTI
37.	18 th September 2020	Webinar-Manufacturing Intelligence	CMTI
38.	21 st September 2020	Webinar-Conversion of Legacy Machines to IIoT Smart Machines (for Professionals)	CMTI
39.	22 nd September 2020	Webinar-Machine Connectivity and IIoT Enabled Technologies	CMTI
40.	23 rd September 2020	Webinar- OPC UA and its applications in Process Monitoring, Condition monitoring (for professionals)	CMTI
41.	24 th September 2020	Advanced Design/ Manufacturing Webinar (1.5 hour)	IISc
42.	24 th September 2020	Online academy skill development (6 Hours Paid)- (a) Industry 4.0 & CX	C4i4
43.	25 th September 2020	Overview of Smart manufacturing (2 hours + additional online)	IAFSM
44.	3 rd October 2020	Implementing Industrial Internet of Things in Manufacturing (4 hours + 6 hours e learning + project + follow up certificate)	IAFSM
45.	5 th October 2020	Webinar: Data Analytics and Hands on Data Analytics	CMTI
46.	7 th October 2020	Awareness - CoVID 19 Webinar (1.5 hours)	IISc
47.	8 th October 2020	Cluster seminars for SME/ MSME Owners	C4i4
48.	14 th October 2020	Overview of machine learning in manufacturing (2 hrs. + additional online)	IAFSM

49.	14 th -15 th October 2020	Online academy skill development(6 Hours Paid)- (a) Digital transformation in Manufacturing	C4i4
50.	21 st October 2020	Virtual Tour of Factory & I4.0 Tech (1.5 hours)	IISc
51.	22 th October 2020	Advanced Design/ Manufacturing Webinar (1.5 hour)	IISc
52.	26 th - 27 th October 2020	Training of digital mentors(6 hours paid)- 1 program	C4i4
53.	30 th October 2020	Overview of Smart manufacturing (2 hours + additional online)	IAFSM
54.	October – Dec 2020	Training/ Education: M.Tech Smart Manufacturing Year 2: Makers Projects (MP) Smart Manufacturing Final Projects (FP)	IISc
55.	October- Dec 2020	Training/ Education: M.Tech Smart Manufacturing Year 1 Courses (SMC)	IISc
56.	October – Dec 2020	Training/ Education: PhD Advance manufacturing Year 2 Courses (PhC)	IISc
57.	3 rd - 16 th November 2020	Faculty Development program (32 hours paid)- 1 program	C4i4
58.	7 th November 2020	Implementing Augmented reality in manufacturing (4hrs. + 6 hrs. e- learning + project+ follow up certificate)	IAFSM
59.	11 th November 2020	Awareness - CoVID 19 Webinar (1.5 hours)	IISc
60.	18 th November 2020	Virtual Tour of Factory & I4.0 Tech (1.5 hours)	IISc
61.	18 th - 19 th November 2020	Online academy skill development(6 Hours Paid)- (a) Paperless operation.	C4i4
62.	20 th November 2020	Knowledge Club- CG/ Auto OEMs: Engine performance and data analytics	C4i4
63.	26 th November 2020	Advanced Design/ Manufacturing Webinar (1.5 hour)	IISc
64.	27 th November 2020	Overview of Smart manufacturing (2 hours + additional online)	IAFSM
65.	3 rd - 4 th December 2020	Training of digital mentors(6 hours paid)- 1 program	C4i4
66.	5 th December 2020	Implementing machine learning in manufacturing (4hrs. + 6 hrs. e- learning + project+ follow up certificate)	IAFSM
67.	7 th – 9 th December 2020	Training Course on Smart Manufacturing and Industry 4.0	CMTI
68.	8 th December 2020	Cluster seminars for SME/ MSME Owners	C4i4

69.	9 th December 2020	Awareness - CoVID 19 Webinar (1.5 hours)	IISc
70.	14 th December 2020	Inauguration of C4i4 Lab Experience Centre	C4i4
71.	16 th December 2020	Virtual Tour of Factory & I4.0 Tech (1.5 hours)	IISc
72.	19 th December 2020	Overview of Smart manufacturing (2 hours + additional online)	IAFSM
73.	24 th December 2020	Advanced Design/ Manufacturing Webinar (1.5 hour)	IISc
74.	4 th January 2021	Fundamentals of Smart Manufacturing (4 hours + 6 hours e learning + project + follow up certificate)	IAFSM
75.	5 th January 2021	Webinar: IIoT Implementations on Smart Foundry (for Professionals) (2 hours)	CMTI
76.	20 th January 2021	Overview of Industrial Internet of Things (2 hours + additional online)	IAFSM
77.	29 th January 2021	Overview of Smart manufacturing (2 hours + additional online)	IAFSM
78.	2 nd February 2021	Awareness: Benefits of industry 4.0 for MSME	CMTI
79.	8 th February 2021	Implementing Industrial Internet of Things in Manufacturing (4 hours + 6 hours e learning + project + follow up certificate)	IAFSM
80.	17 th February 2021	Overview of augmented reality in manufacturing (2 hours live + additional online)	IAFSM
81.	17 th February 2021	Awareness: Benefits of industry 4.0 for MSME	CMTI
82.	22 nd – 24 th February 2021	Training Course on Smart Manufacturing and Industry 4.0	CMTI
83.	26 th February 2021	Overview of Smart manufacturing (2 hours + additional online)	IAFSM
84.	7 th March 2021	Implementing Augmented reality in manufacturing (4hrs. + 6 hrs. e- learning + project+ follow up certificate)	IAFSM
85.	9 th March 2021	Awareness: Benefits of industry 4.0 for MSME	CMTI
86.	17 th March 2021	Overview of machine learning in manufacturing (2 hrs. + additional online)	IAFSM
87.	26 th March 2021	Overview of Smart manufacturing (2 hours + additional online)	IAFSM
88.	4 th April 2021	Implementing machine learning in manufacturing (4hrs. + 6 hrs. e- learning + project+ follow up certificate)	IAFSM

***Important Web links for further details:**

- (i) DHI Samarth Udyog Bharat Website: <https://www.samarthudyog-i40.in/>
- (ii) DHI- C4i4 Center for Industry 4.0 at (C4i4) Lab, Pune- <http://c4i4.org/>
- (iii) DHI- IIT D- AIA Foundation for Smart Manufacturing at IIT D- <http://iafsm.in/>
- (iv) DHI – IISc I4.0 Factory and R & D Platform at IISc, Bangalore- <https://cpdm.iisc.ac.in/smartmanufacturing/>
- (v) DHI- CMTI Smart Manufacturing Demo and Development Cell at CMTI- <http://cmti-india.net/>