Certificate Course on

Digital Manufacturing and Introduction to AI & Machine Learning.

Course Starts on 1st April 2024 and Ends on 22nd April 2024

Certificate Issue by IIT (T) & IIF - CET

Eligibility

(i) IIF company members are only eligible to participate in the programme.

(ii) Participants must be a manager level aspiring to grow to senior level.

Course Duration — **21 working days**

Course Fee — **Rs. 50,000 + 18 % GST per participant.**

Course Content

Dr. Ajay Kumar
IIT - Tirupati

Module : 1 - 3

- Materials 4.0 and Digital Twin
- Basic Metallurgy
- Solidification Mechanism

Dr. Govind Narayan Sahu
IIT - Tirupati

Module : 2 - 4

- Industrial Automation and Safety
- Smart sensor, Actuator & Controller
- Signal Monitoring and Data Acquisition

Dr. R Thiyagarajan
IIT - Tirupati

Module : 5

- Mechatronics System,
- Robotics in Smart Foundry

Prof. Sunil Jha
IIT - Delhi

Module : 6 to 13

- Industrial IoT and Cyber Physical Systems
- Real Time Dashboards
- Digital Twin Implementation
- Signal Monitoring and Data Acquisition
- Rapid Prototyping and Tooling
- Augmented Reality
  Remote Maintenance
- Manufacturing
- Execution System

Dr. Srivallabha Deevi
IIT - Tirupati

Module : 14 to 15

- Machine Learning for Foundry
- Big Data and Data Analytics

Address By Industry Experts

Mr J Balasubramanian
Head Analytics & ET
Ashok Leyland

◆ **Adopting AI in Foundries**

Mr Yogesh Kumar
Chief Operation Officer &
Director
DiFACTO Robotics
and Automation

◆ **Robotics in Foundry Automation**

Mr P Senthilkumar
Executive Director
ACI Automation

◆ **Automation & Economies of Operation in Melting**

Additional Information

(i) This is a residential program at IIT – Tirupati.

(ii) The course fee includes boarding & lodging.

(iii) Professors from IIT will handle the classes.

(iv) Submission of assignments & periodical evaluation through test is mandatory.

(v) At the end of the course the certificate will be issued jointly by IIT-Tirupati and IIF – CET.

(vi) No. of participants are limited to maximum of 30 participants only.

**The Institute of Indian Foundrymen
Centre for Education & Training**

The Ushus Uptown, Flat No-3, C-Block, 3rd Floor,
New No: 86, First Main Road, Anna Nagar East, Chennai - 600 102
Mob. + 91 90424 59899

Email: cet@indianfoundry.org,
cet1@indianfoundry.org,
Website: www.indianfoundry.org

Contact:
Mr. K. Dhayalan   Ph: 89397 33314
Mr. M. Sivasankar Ph: 9042459899