

## MORADABAD INSTITUTE OF TECHNOLOGY

### Department of Mechanical Engineering

#### Activity Report

1. **Activity Name / Type:** Expert Lecture by **Industry Person**
2. **Name of Expert, Designation, Organization:** Mr. Gaurav Chaudhary, Business Development Manager, **Fronius India Pvt. Ltd.**
2. **Date of Lecture:** 02-002-2021 (11:30am – 1:00 pm.)
3. **Objective:** To provide exposure on Intelligent welding systems in context of **Industry 4.0**
4. **Brief about Activity:** “Intelligent Revolution Technology in Welding Solutions for Advance Manufacturing & Industry 4.0” was the topic of expert talk. The session was conducted on Microsoft Team platform. Speaker shared the knowledge about latest advances in GMAW system which are the requirements of current industrial revolution (Industry 4.0). The lecture was attended by Mechanical Engineering students and faculty members.
5. **Total Participants:** 70
6. **Outcome of the Activity:** Following are the key points learned by students:
  - Advance features of GMAW process.
  - CMT welding technique.
  - Basics of Wire Arc AM process.
  - Communication between Machine (welding set) and User (Welding Engineer) through Cyber physical Production System (Industry 4.0)
  - Vizor welding helmet which is a new invented helmet for protecting the welder from hazardous fumes and to provide clear vision of weld bead during welding.
7. **Feedback from participants:** As per the feedback received from participants, the lecture was very informative and interesting and thus required to be conducted in future also.
8. **Few Picture of the event:** Some of the Pictures covering the event attached below in Annexure- 1.

## Annexure 1

### Few Pictures of the Lecture

**MIT** Group of Institutions  
Approved by AICTE, PCI & COA, New Delhi and Affiliated to  
Dr. A.P.J. Abdul Kalam Technical University, & SBTE, Lucknow.  
(Estd. 1996) **B.Tech. B.Pharm. D.Pharm. B.Arch. B.Voc. MBA**  
Ram Ganga Vihar Phase-2, Moradabad-244001, U.P. Phone: 0591-2452412, Fax: 0591-2452207

**Department of Mechanical Engineering**  
In association with  


**Expert Talk on "Intelligent Revolution Technology in Welding:  
Solutions for Advance Manufacturing & Industry 4.0"**  
**02<sup>nd</sup> Feb 2021 (Tuesday); Time: 1130:am**  
**@ Microsoft Teams meeting**



**Expert Speaker**  
**Mr. Gaurav Choudhary**  
Business Development Manager  
North & East India, Fronius India Pvt. Ltd.

**Organising Team**

Mr. Dalip Kumar Application Engineer Fronius India Pvt Ltd	Dr. Munish Chhabra Mr. Ganesh Sharma Mr. Pavnender Kumar	Dr. Rohit Garg Director MIT Moradabad
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SEARCH

You've been muted Someone in the meeting muted you. Unmute

/ Perfect Welding / Solar Energy / Perfect Charging

### Wire + Arc Additive Manufacturing (WAAM)

**Wire Arc Additive Manufacturing (WAAM)**

- This is emerging welding technology that promises to reduce part cost by reducing material wastage.
- Layer by layer deposition with high deposition rate.
- Automatic process with the help of Robotics depending on the welding
- Faster Welding process compare to conventional welding
- High materials utilization.
- Producing both simple shapes and complex contours
- Various materials like Ti, Al, Ni alloy, and Steel easily fabricated.

52:50

GD Gope Devendra

**People**

ANANT BANSAL

Presenters (55)

Attendees (1)

Invite others from contact

Mohd. Aasim

MOHD RAHIL

MS Mohd. Saif

MA Mohd. Atif

MUSKAN BHATN

NIPUN VASHISH

NA Noor Alam

/ Perfect Welding / Solar Energy / Perfect Charging

## INNOVATIONS

हिन्दी

7" Touch Display

Can Be Operated With Welding Gloves

Central Updates

SpeedNet (SpeedNet: 100 Mbit/s)

MultiLock

Revolutionary Cooling

Clamping Piece for the Inner-Liners

Cooling Dock

FSC

Automatic Detection of Components

New Power-Plug

Industry 4.0

Interfaces

INTELLIGENT REVOLUTION

