



Department of Mechanical Engineering

The Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering – Mylavaram, in collaboration with M/S Fronius India Pvt Ltd- Hyderabad is organising a Webinar on “Welding as a Career” on 30th May 2020, time 11.00 AM to 12.30 PM. The resource persons are.

1. **Mr. Narayana Moorthy**, Business Development Manager, M/S Fronius India Pvt Ltd
2. **Mr. Raghavendra**, Regional Sales Manager, M/S Fronius India Pvt Ltd.

E-certificate will be provided for all students and Faculty who participate in webinar.

Registration link: <https://attendee.gotowebinar.com/register/4324778761967201808>

Registration Fee: Free

Registration Deadline: 30-05-2020 @ 10.00am.

About M/S Fronius India Pvt Ltd

Fronius India Pvt. Ltd. headquartered in Chakan, Pune is the 20th Subsidiary of Fronius International GmbH. Fronius India consists of a State- of- the- Art facility of around 33000 Sq feet, coupled with **world class application development and training centre for welding, solar energy & perfect charging**. Equipped with superior equipment for live demonstration and trials such as, **manual & robotic welding equipment, live photo-voltaic system** with our inverters and **charging station for electric intralogistics equipment**. First of its kind repair centre, warehouse and logistics incorporated with “BAAN ERP System” implemented in sync with Fronius, Austria for the quickest & accurate delivery of equipment & spares in time & every time.

Since inception in India in 2013, Fronius has swiftly become the most preferred welding equipment supplier in India with more than 25,000 machines currently operational in the country. With our 3 business units, **Perfect Welding, Solar Energy and Perfect Charging**, operational in India, we have seen phenomenal growth and enjoy considerable market share in all our businesses. This has been possible due to a unique passion for what we do. This passion forms the basis of our team camaraderie and work culture. Our people are the foundation of the Fronius culture and thus a major factor in the success of the organization.



Solar Tech Centre



Live Photovoltaic System



Robotic Welding System



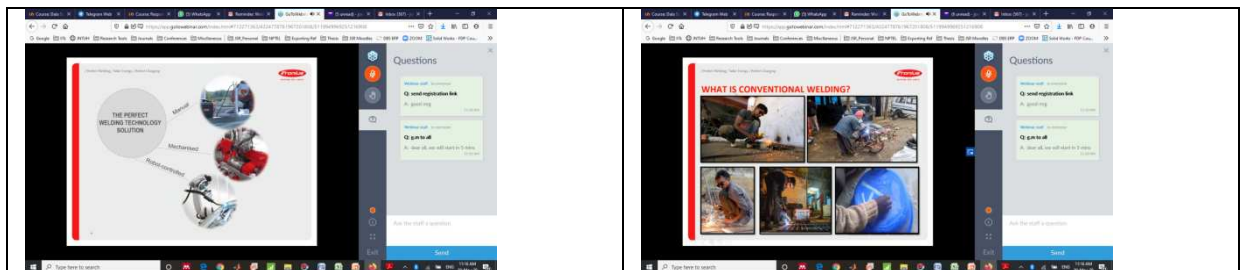
Manual Welding System



Perfect Charging System

Report:

The program started with the welcome address by Dr.S.Pichi Reddy, Professor and HoD. Then the speakers handed over the session. The photographs of the session are as given below.



WHY WELDING IS IMPORTANT

Questions

Q Good explanation link

A good link

Q go to all

A. done all, we will start to 3 min

WHAT IS REAL WELDING?

Welding is a process of joining metals

- With the application of heat,
- With or without the application of pressure,
- With or without the application of filler metal to form a metallurgical joint.

Questions

Q Good explanation link

A good link

Q go to all

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IMPORTANCE TO MANUFACTURING

Welding plays a key role in the manufacturing challenge.

Welding contributes to

- Heavy Manufacturing

Questions

Q Good explanation link

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Welding contributes to

- Heavy Manufacturing.
- Light Manufacturing.
- Construction.

Questions

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- Heavy Manufacturing.
- Light Manufacturing.
- Construction.
- Transportation.
- Maintenance & Repair.
- Energy.

Questions

Q Good explanation link

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MAKE IN INDIA

Skill India

where ever goes you

Questions

Q Good explanation link

A good link

Q go to all

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WHERE IS WELDING USED?

Questions

Q Good explanation link

A good link

Q go to all

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WHAT DO THE STUDENTS NEED ;

Questions

Q Good explanation link

A good link

Q go to all

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POTENTIAL INCOME

Salaries in Welding Profession are on the rise due to the shortage of Skilled Man Power.

Salaries for welding related jobs vary depending on the type of employer, welding specialty, job duties, experience level and location.

Some employers provide internships and paid apprenticeship Programs for various levels of work, including beginners.

Questions

Q Good explanation link

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AUTOMOTIVE

Materials	Steel, Aluminum, Magnesium, Copper	SPCC	High speed tool steels, low alloy steels, tool steels
Process	Welding, Laser Cutting, Punching, Drawing, Forming, Casting	LDC	Low cost
Challenges	Quality, High welding speed, Cost, Material and Joining Different metals, Cost & Material	PDC	High welding speed, Cost

Questions

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OBJECTIVES

- Providing insight to the Teachers, Students and Researchers in a highly interesting field of Robotics Welding involving our advanced arc welding process technology.
- Be a single point contact for our end-users along with our proprietary 'system' methodologies. Via: CRI/ARCTG/TPS/ TRS.
- Imparting an diversified outlook that is already existing in the Indian industries and expanded in the "future of arc welding".
- Align the students and researchers side with the industry practices in welding.

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PARTS - EXCAVATOR

1. Bucket 2. Hydraulic cylinder 3. Bearing bush 4. Arm 5. Frame

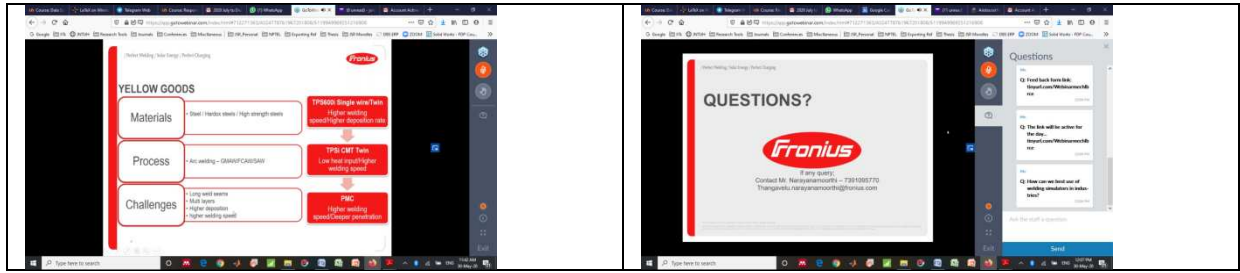
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The meeting ended at 12.30PM. A total of 500 participants participated. All the participants expressed satisfaction.