



GLASS PROCESSING TECHNOLOGY

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IITM & Glass Academy

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TYPE OF COURSE : Rerun| Elective | UG/PG

COURSE DURATION 12 weeks (26 Jul'21 - 15 Oct'21)

INTENDED AUDIENCE : Any interested audience

EXAM DATE 24 Oct 2021

PRE-REQUISITES : Should be supervisors, shop floor managers, technicians etc. in the Glass Processing units and the diploma students from mechanical stream can enroll.

INDUSTRIES APPLICABLE TO : Glass Processing Industry

COURSE OUTLINE :

Glass Processing Technology is a significant component of the value chain in the glass façade industry where the basic float glass goes to the processor and from them to the fabricator and installed in the building façade. There are important processes that go in to it and needs detailed understanding and expertise.

ABOUT INSTRUCTOR :

Dr. E. Rajasekar is an assistant professor at the Department of Architecture and Planning ,IIT Roorkee, India. He is an Architect with post-graduation in Building Technology and Construction Management and PhD on Thermal comfort and building performance from IIT Madras. He is a Shastri Indo - Canadian Institute Doctoral Fellow.He specializes in the field of building performance assessment focused on the thermal,acoustics and lighting parameters.He carries a rich research and industry experience in this field and has published more than 20 technical papers in peer-reviewed journals and conferences. He is a USGBC LEED accredited professional and a GRIHA certified professional.

Course layout**Glass Manufacturing Process**

Float Glass Manufacturing
Coating Technology

Glass as a Building Material

Glass Selection
Applications

Glass Processing

- 1.Industrial & Glass handling safety
2. Warehouse Management
- 3.Production Planning & Control
- 4.Pre-Processing – Cutting/ Grinding/ Drilling/ Washing
- 5.Tempering
- 6.Insulated Glass Unit
- 7.Lamination

Heat Soak

Ceramic fritting- Roller/Screen/Digital

Processing Standards

Quality Test

Non Conformity

Root Cause Analysis for Troubles

Testing & Certification

Post Manufacturing Expenses

5S – Housekeeping Practices

Quality Management Systems (QMS)

Cost Saving Programs

Glazing Systems , Hardware & Fabrications

Sustainability (Eco-packaging & Naked Dispatch)

People Development