



Module PMRF- ISSS024/II/2024

Vat Photo-Polymerization

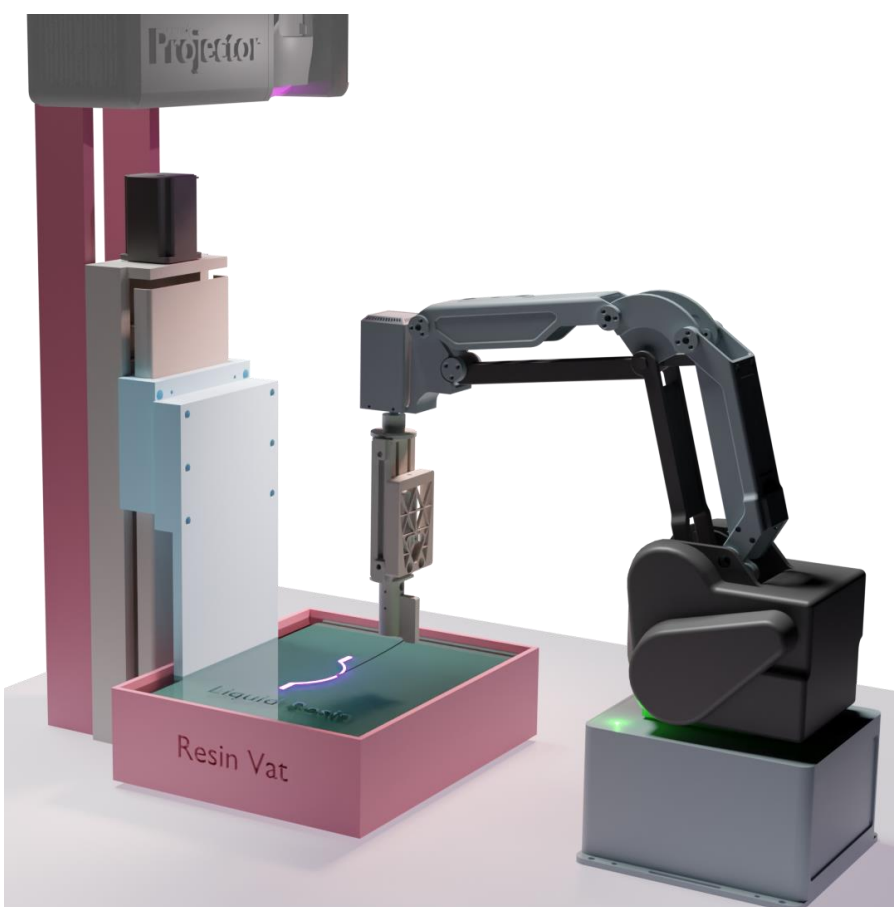
Name of the PMRF student

Vivek Khatua

Required background of the students taught

- Basics in engineering mathematics

Online session coordinator



Schedule of the module

Mondays' from 4PM to 6PM, session may extend for 10-20 mins depending on the situation.

Details of the content of the module

(8 Week Course)

- 1. Introduction to Vat Photo-Polymerization (VPP) (1 Lecture)**
 - Classifications of VPP processes
 - Basics on Photo-Polymerization
- 2. Laser-scanning and Projection-based VPP process (2 Lectures)**
- 3. Micro-Stereolithography (3 Lectures)**
 - Introduction
 - Three-phase Contact Line Method
 - Liquid Bridge Stereolithography
 - Serve on Demand
- 4. Recent advancements in VPP processes (2-3 Lectures)**
 - Continuous Liquid Interface Polymerization
 - Volumetric Photo-Polymerization
 - Multi-material printing in VPP.

Extrusion of plastic to build a part additively

Meeting link : Will be shared later

[Link](#)

Contact email ID: issf.forum@gmail.com

Registration link:

<https://forms.gle/tZut8QhpBQWQxCK38>