

# Schedule of BASIC FDP

FDP Application Number: 1742359174

Title of the FDP: “Shaping the Future of Production with 3D Printing and Additive Techniques”

FDP Start Date: 23-06-2025

FDP End Date: 28-06-2025

Day 123.06.25	Day 224.06.25	Day 325.06.25	Day 426.06.25	Day 527.06.25	Day 628.06.25
9:00 – 9:30 Inauguration					
9:30 – 12:00	9:30 – 12:00	9:30 – 12:00	9:30 – 12:00	9:00 – 1:00	9:30 – 12:00
Session 1	Session 3	Session 5	Session 7	Industrial visit	Session 10
1. Name of the Expert:  Dr.S.Anand Kumar	1. Name of the Expert:  Mr.Vigneswaran.	1. Name of the Expert:  Er.KRN Manoj	1. Name of the Expert:  Er.Prabahar Annamalai	1. Name of the Organization:  Racer Tooling Industries	1. Name of the Expert:  Dr. V.Anandakrishnan
2. Designation: Assistant Professor	2. Designation: CEO	2. Designation: Director & Chief Technology Officer	2. Designation: CEO	2. Complete address with pin code: Racer Tooling Industries, SF No. 277/3, Ginning Factory Road, Irugur Village, Coimbatore - Tamilnadu-641103.	2. Designation: Professor
3.Organization: Indian Institute of Technology-Jammu	3. Organization: Virtual Frontier Robotics	3. Organization: PUMO Technovation Pvt Ltd, Coimbatore-641012	3. Organization: Vectra FORM	3. Industry Type: Manufacturing	3. Organization NIT- Tiruchirappalli
4. Experience in Years:15	4.Experience in Years:09	4.Experience in Years: 13	4. Experience in Years: 32	4. Area of specification: 3D Printing	4. Experience in Years: 22
5.Topic to be taught: Introduction to Additive Manufacturing: Principles and Applications	5.Topic to be taught: Advanced 3D Design Techniques for Additive Manufacturing	5.Topic to be taught: Design Optimization and 3D Printing Considerations	5.Topic to be taught: 3D Printing Workflow: From Design to Physical Object		5. Topic to be taught: Innovations in Materials for Additive Manufacturing: Future Directions
12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion	12:00 – 1:00 Article Discussion		12:00 – 1:00 Article Summary
1.Title of the Research Paper: Unpacking Additive Manufacturing Challenges and Opportunities in Moving towards Sustainability: An Exploratory Study 2.Name of the journal: Sustainability 3.Year of Publication:2024	1. Title of the Research Paper: Artificial Intelligence-Augmented Additive Manufacturing: Insights on Closed-Loop 3D Printing 2. Name of the journal: Advanced Intelligent systems 3. Year of Publication:2024	1. Title of the Research Paper: Revolutionising fabrication advances and applications of 3D printing with composite materials: a review 2. Name of the journal: Virtual and Physical Prototyping 3. Year of Publication: 2024	1. Title of the Research Paper: Advancements and challenges in additive manufacturing: a comprehensive review 2. Name of the journal: Engineering Research Express 3. Year of Publication:2024		

1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch	1:00 – 2:00 Lunch
2:00 – 4:30 Session 2  1. <b>Name of the Expert:</b> Dr.S.Anand Kumar 2. <b>Designation:</b> Assistant Professor 3. <b>Organization:</b> Indian Institute of Technology-Jammu 4. <b>Experience in Years:15</b> 5. <b>Topic to be taught:</b> Basics of 3D Design Software for Additive Manufacturing	2:00 – 4:30 Session 4  1. <b>Name of the Expert:</b> Dr. V. Ezhilmaran 2. <b>Designation:</b> Assistant Professor 3. <b>Organization: Anna</b> <b>University, Chennai.</b> 4. <b>Experience in Years:11</b> 5. <b>Topic to be taught:</b> Advancements in Additive Manufacturing: Emerging Trends and Future Applications	2:00 – 4:30 Session 6  1. <b>Name of the Expert:</b> Er.KRN Manoj 2. <b>Designation:</b> Director & Chief Technology Officer <b>Organization:</b> PUMO Technovation Pvt Ltd, Coimbatore-641012 3. <b>Experience in Years:</b> 13 4. <b>Topic to be taught:</b> Additive Manufacturing in Manufacturing Industries	2:00 – 4:30 Session 8  1. <b>Name of the Expert:</b> Er. T.R.Ramsankar 2. <b>Designation:</b> Technical Head 3. <b>Organization:</b> CADD Technologies -School of design Pvt ltd, Coimbatore- 641012 4. <b>Experience in Years: 13</b> 5. <b>Topic to be taught:</b> Post-processing and Finishing Techniques for 3D Printed Objects	2:00 – 4:30 Session 9  1. <b>Name of the Expert:</b> Dr.G.Rajeshkumar. 2. <b>Designation: Professor</b> 3. <b>Organization:</b> PSG Institute of Research and Technology, Coimbatore-641062 4. <b>Experience in Years:16</b> 5. <b>Topic to be taught:</b> Research Methodology	2:00 – 4:00 MCQ & Reflection Journal
4:30 – 5:30 Hands on training / Labs	4:30 – 5:30 Hands on training / Labs	4:30 – 5:30 Hands on training / Labs	4:30 – 5:30 Hands on training / Labs	4:30 – 5:30 Hands on training / Labs	4:00 – 5:00 Valedictory Session