

<u>Selection of NPDF scheme of ARNF and Ramanujan Fellowship</u>			
	Name	Primary Mentor	Broad area of research
<u>NPDF scheme of ARNF</u>			
1	Dr. Jyooti Chauhan	Prof. Kaushik Mukherjee	Additively manufactured lattice-based, patient-specific orthopedic implants
2	Dr. Homender Kumar	Prof. Sujeet Kumar Sinha	"Development of eco-friendly polymer composites for enhanced tribological performance in bio-tribology applications"
3	Dr. Nitish Kumar Mahto	Prof. Sujeet Kumar Sinha	Tribology
4	Dr. Sanjeev Kumar	Prof. Prabal Talukdar	Microchannel heat transfer
5	Dr. Avinash Kumar	Prof. Bahni Ray	Microfluidics and Nanofluidics
6	Dr. Shivji Prasad Yadav	Prof. Bahni Ray	Microfluidics and Biomicrofluidic
7	Dr. Ajit Kumar	Prof. Subhra Datta	Drug Dispersion
8	Dr. Ashwani Sharma	Prof. Sudarsan Ghosh	Machining/grinding
9	Dr. Ajay Mandal	Prof. Sagar Sarkar	Large-scale additive manufacturing
10	Dr. Joydeep Kundu	Prof. Sagar Sarkar	Post-processing of additive manufacturing parts
11	Dr. Shubham Verma	Prof. Sivanandam Aravindan	Friction stir processing for sustainable bio-material development
12	Dr. Priya Singh	Prof. Sivanandam Aravindan	Dissimilar Joining for advanced ultra super critical power plant applications
13	Dr. Jenix Rino	Prof. D. Ravi Kumar	Formability aspects of AA7075 alloy and its composites
14	Dr. Pradyumn Kumar Arya	Prof. Pulak Mohan Pandey	high-entropy shape memory alloys
15	Dr. Monika Singh	Prof. Pulak Mohan Pandey	Additive Manufacturing of Functionally Graded Materials (FGMs) for Enhanced Structural and Thermal Performance
16	Dr. Suresh Pratap	Prof. Sunil Jha	Rµ-EDM process
17	Dr. Deeksha Lohani**	Prof. Pulak Mohan Pandey	Additive Manufacturing
<u>Ramanujan Fellow*</u>			
1	Dr. Rinku Roy	Prof. Kaushik Mukherjee	Develop neural interface that decodes movement intentions and controls robotic assistive devices for individuals with upper-limb disabilities.
2	Dr. A. K. Tomar	Prof. R.K. Pandey	Tribology/ Bearings
3	Dr. Akriti Masoom	Prof. Prabal Talukdar	Radiative heat transfer, renewable energy
4	Dr. Jawahar Sivabharathy	Prof. Mayank Kumar	Fluid mechanics
5	Dr. Nishab Ali	Prof. Pavan Prakash Duvvuri	Combustion

2.23	Dr. Malkeet Singh	Prof. Pulak Mohan Pandey	Sustainable manufacturing, additive manufacturing, and materials recycling.
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* The department will not provide any separate office space; however, there will be a space in the laboratory in the area of the mentor.

** This scholar is over and above the two candidates per faculty member, as approved by the committee, and will not be allowed to use any of the resources of the department. The mentor will take care of all the requirements of this candidate, as notified by the Dean, IRD.