

Institute of Infrastructure, Technology, Research And Management, Ahmedabad

Ph.D. 2023-24 (Autumn Semester) Admission

Annexure – II

(Tentative Interview Date: 06 July 2023)

Sr. No.	Project Details	Position Code	Funding Agency	Monthly Fellowship	Educational Qualifications
1	<p>Title: Development of novel metal complex-based nano-porous materials for utilization of carbon dioxide into value-added products</p> <p>PI: Dr. Mahuya Bandopadhyay Co-PI: Dr. Sourav Das</p>	CHEM-1	DST - SERB	As per SERB-DST norms. (Rs.31,000 + HRA to the NET/GATE Candidate). For non- NET/GATE candidates the emoluments and position shall be as per SERB, DST norms.	<p>Essential: M.Sc. (Chemistry) or M.Tech. (Material Science or relevant)</p> <p>Desired: Experience in the field of heterogeneous catalysis and materials chemistry, materials synthesis and characterization; and research paper writing, NET qualified</p>
2	<p>Title: Design and Development of Transtibial Prosthesis</p> <p>PI: Dr. Ganesh Iyer Co-PI: Dr. Kumar Abhishek</p>	MECH-1	DST - SERB	31,000 + HRA for the first two years and Rs. 35,000 + HRA for the third year	<p>Essential: M.E/M.Tech. Mechanical/ Materials Science/Metallurgy/ Manufacturing/ Production or equivalent with 1st division at both graduate and postgraduate level from a recognized university/institute. Candidate is expected to have hands-on experience and good understanding of FEM, preferably experienced in using packages like Abaqus/Ansys to solve structural problems. Good communication skills (oral and technical writing).</p> <p>Desired: 1. Candidate with a valid GATE score will be given preference 2. Experience in working with 3D printing techniques</p>

3	<p>Title: Experimental and numerical investigations on the effect of process parameters on the weld quality of polymeric materials by friction stir welding</p> <p>PI: Dr. PL Ramkumar Co-PI: Dr. Ajit Parwani</p>	MECH-2	GUJCOST, DST - Gujarat	<p>NET / GATE Candidate Rs. 25,000/-+ HRA</p> <p>OR</p> <p>Non NET / Non GATE Candidate Rs. 18,720/-</p>	<p>Essential: Master degree in Mechanical/ Thermal/ Production/ Polymer Science Engineering or equivalent, qualification with 1st division both at graduate and postgraduate level from the recognized university /Institute.</p> <p>Desired: Experience in performing experiments, a good mathematical and computer programming knowledge</p>
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