

(1) Position #1: PhD

Project: Metal additive manufacturing, 3D Printing

Minimum Qualification: M.Tech. OR B.Tech.

Desired Skill(s):

- i) Heat transfer, Fluid flow, CFD, Melting/solidification, Stress analysis, Modeling and simulation, Programming, OpenFOAM.
 - ii) Conversant with experimental analysis: setup design, performing experiments, data analysis, 3D printed part mechanical and microstructural characterizations.
 - iii) Good report writing skills.
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(2) Position #2: Master of Science (MS) by Research

Project: Metal additive manufacturing, 3D Printing

Minimum Qualification: B.Tech.

Desired Skill(s):

- i) Heat transfer, Melting/solidification, Stress analysis, Software, OpenFOAM.
 - ii) Decent report writing skills.
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(3) Position #3: Master of Science (MS) by Research

Project: Metal additive manufacturin, 3D Printing

Minimum Qualification: B.Tech.

Desired Skill(s):

- i) Heat transfer, Fluid flow, CFD, Modeling and simulation, Melting/solidification, Programming, OpenFOAM.
 - ii) Conversant with experimental analysis: 3D printed part mechanical and microstructural characterizations.
 - iii) Decent report writing skills.
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(4) Position #4: Master of Science (MS) by Research

Project: CFD modelling of melting/solidification

Minimum Qualification: B.Tech.

Desired Skill(s):

- i) Heat transfer, Fluid flow, CFD, Melting/solidification, Modeling and simulation, Programming, C++, OpenFOAM.
 - ii) Conversant with PIV experiments: setup design, performing experiments, data analysis.
 - iii) Decent report writing skills.
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Interested candidates must apply to ME, IITK winter admission and mention their choice for such position(s).