

Controller of Examinations: Tezpur University: Napaam

NOTIFICATION
F. 11-3 /5 /2003(Acad)/
Dated 10th July 2021

The pre-requisite for admission to PhD programme in Mechanical Engineering and Area of research notified vide No. F. 11-3 /5 /2003(Acad)/ dated 5th July 2021 are partially modified as given below;

| Programme | Pre-requisite | Area of research |
|-------------------------------|---|--|
| PhD in Mechanical Engineering | M.E. / M.Tech. / M.Sc. (Engg.) in Mechanical Engg. Or allied areas. OR B.E. / B.Tech with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute/University from where B.E./B.Tech degree was obtained. | <ul style="list-style-type: none">• Thermodynamic modelling and optimization of (i) solar thermal power and cooling systems (ii) Gas turbine based combined power systems with steam Rankine, organic Rankine and Kalina as bottoming cycles (iii) vapour absorption cooling systems• Evolutionary based optimization of mechanical systems• Solar thermal energy and storage, Drying Technology, Biomass Energy Conversion• Computational Fluid Dynamics• Fracture Mechanics and Finite Element Methods• 3D printing technology and Precision Manufacturing• Mechatronics• Artificial Intelligence based system design• CAD-CAM• Micro alloying, Thermo Mechanical Processing, Micro structural Characterization• Mechanical Metallurgy, Failure Analysis, Tribology, Creep and High Temperature Deformation Behavior, Computational Material Science• Carbon nanotubes-based composites, Fiber and Graphene-reinforced composites Magneto-hydrodynamic power generation |

For any query, the Head, Department of the Mechanical Engineering may be contacted.

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