Job Notification Form, IIT Delhi

Company Overview

Name: TVS Motor Company Ltd

Website: https://www.tvsmotor.com/en/About-Us/Overview

Company Type: Other (Automotive)

Description: TVS Motor Company is the third largest 2-wheeler company in India with a revenue of over ?18,217 crore (over US$2.9 billion). It has an annual sale of more than 3 million units and an annual capacity of over 4.95 million vehicles. TVS Motor is also the 2nd largest exporter in India with exports to over 60 Countries. A member of the TVS Group, it is the largest company of the group in terms of size and turnover.

Job Details

Designation: Design Engineer (Electro-Thermal) - PG

Type: Core (Technical)

Place of Posting: Hosur

Job Details: Position Title: Design Engineer (Electro-Thermal)
Department: New Product Development (NPD)
Designation: Post Graduate Engineer Trainee (PGET)
Work Location: TVS Motor Company Ltd - Hosur Plant, Tamil Nadu
Compensation: INR 1200000 LPA

Role Description:
Attribute engineer for thermal management of electro-mechanical devices for CFD (flow thermal and powertrain simulation)
• Experience in computer simulation of thermo-mechanical and thermo-electrical systems using 3D/1D simulations.
• Hand calculations to estimate performance of a thermo-mechanical and thermo-electrical systems using first principles and fundamentals.
• Experience in designing the thermal management solutions for mechanical/ electrical systems.
• Basic understanding and working principles of the, IC engines, EV/HEV systems, battery pack design, electrical machine and power electronics.
• Interaction with design and development teams to understand the design, participate in DFMEA, get the required information to build the model, followed by feedback on the design, suggestions to improve the design keeping in mind various cost, manufacturing constrains in mind.
• Improve and develop methods to capture new failure modes and improve predictions for existing failure modes.
• The candidate should be flexible, has ability to communicate well and work proactively with the team.

Qualities and skills:
Hands on experience with computer simulations tools, such as, StarCCM+, Fluent, or similar 3D CFD tool, AMESim, Matlab/Simulink, Dymola or a similar 1D tool will be preferred.

Purpose of role:
Computer models (1D, 2D, 3D) development, verification and validation of electro mechanical devices includes battery, motor and other power electronic devices in new product development. This also involves participating in design reviews and DFMEA sessions and help design team with new ways to improve the design, and create IP in the above mentioned and related areas.

Joining By: 1 July 2022

Salary Details

CTC: 1,200,000 INR Per Annum

Gross: 90,000 INR Per Annum

CTC Breakup: No performance linked variables

Perks / Bonus: Nil

Selection Process

Resume Shortlist: Yes

Written Test: Yes

Online Test: Yes

Group Discussion: No

Medical Test: Yes

Personal Interview: Yes

No. of Rounds: 3

No. of Offers: 2

Minimum CGPA: 6

Eligibility

Recruiting PHDs: No

Eligible Departments: M.Tech in Applied Optics, M.Tech in Atmospheric-Oceanic Science and Technology, M.Tech in Biomedical Engineering, M.Tech in Chemical Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science &

Engineering, M.Tech in Computer Technology, M.Tech in Construction Engineering & Management, M.Tech in Control & Automation, M.Tech in Energy & Environment Technologies and Management, M.Tech in Energy Studies, M.Tech in Engineering Analysis & Design, M.Tech in Environmental Engineering & Management, M.Tech in Fibre Science & Technology, M.Tech in Geotechnical and Geoenvironmental Engineering, M.Tech in Industrial Engineering, M.Tech in Industrial Tribology & Maintenance Engineering, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Materials Engineering, M.Tech in Mechanical Design, M.Tech in Molecular Engineering: Chemical Synthesis & Analysis, M.Tech in Optoelectronics & Optical Communication, M.Tech in Polymer Science & Technology, M.Tech in Polymer Science and Technology, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Production Engineering, M.Tech in Radio Frequency Design & Technology, M.Tech in Rock Engineering & Underground Structures, M.Tech in Solid State Materials, M.Tech in Structure Engineering, M.Tech in Telecommunication Technology & Management, M.Tech in Textile Chemical Processing, M.Tech in Textile Engineering, M.Tech in Thermal Engineering, M.Tech in Transportation Engineering, M.Tech in VLSI Design Tools & Technology, M.Tech in Water Resources Engineering, M.S.(R) in Applied Mechanics, M.S.(R) in Biochemical Engineering and Biotechnology, M.S.(R) in Biological Sciences, M.S.(R) in Telecommunication Technology and Management, M.S.(R) in Civil Engineering, M.S.(R) in Chemical Engineering, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in Automotive Research and Tribology, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Mechanical Engineering, M.S.(R) in Materials Science and Engineering, M.S.(R) in Information Technology