

Job Notification Form, IIT Delhi

Company Overview

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|----------------------|---|
| 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 (Power Systems, Power Electronics & Drives) - PG

Type: Core (Technical)

Place of Posting: Hosur

Job Details: Position Title: Design Engineer (Power Systems, Power Electronics & Drives)
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:

- Design machine and power electronics unit for traction and energy conversion applications in 2W
- Analyze machine and power electronics parts and subsystems in 2W
- Identify technology concepts in machines and power electronics for 2W applications
- Design and develop technology concepts in machines and power electronics
- Develop test facilities for machines and power electronics units evaluation
- Develop design guidelines and testing standards for machines and power electronics
- Protect Intellectual Property through patent filing and journal publications

For FPGA Design Engineering:

- Study and understand requirements from design inputs
- Comparative evaluation of various fpga modules and selection based on that
- Implementation of peripherals such as ADC, customized pwm etc on fpga
- Communication between fpga and microprocessor
- C code development for microprocessor to communicate with FPGA
- Implementation of closed loop control of various complexity

Purpose of role:

- Design, analyze and develop power train solutions for 2W
- Design and develop technology concepts for demonstration and implementation
- To develop FPGA for the electronic units

Salary Details

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|-----------------------|---------------------------------|
| CTC: | 1,200,000 INR Per Annum |
| Gross: | 90,000 INR Per Annum |
| CTC Breakup: | No performance linked variables |
| Perks / Bonus: | Nil |

Selection Process

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|----------------------------|-----|
| 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

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|------------------------------|---|
| 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