

TA Team Tata Electronics

Job Description

Title of the position	Graduate Engineering Trainee, Post Graduate Trainee – CIMFA
Job Location	Dholera, Gujarat (relocation required; no WFH policy for Fab).
About The Business	<p>Tata Electronics Private Limited (TEPL) is a greenfield venture of the Tata Group with expertise in manufacturing precision components.</p> <p>Tata Electronics (a wholly owned subsidiary of Tata Sons Pvt. Ltd.) is building India's first AI-enabled state-of-the-art Semiconductor Foundry. This facility will produce chips for applications such as power management IC, display drivers, microcontrollers (MCU) and high-performance computing logic, addressing the growing demand in markets such as automotive, computing and data storage, wireless communications and artificial intelligence.</p> <p>Tata Electronics is a subsidiary of the Tata group. The Tata Group operates in more than 100 countries across six continents, with the mission 'To improve the quality of life of the communities we serve globally, through long term stakeholder value creation based on leadership with Trust.'</p>
Essential Attributes	<ul style="list-style-type: none"> • Strong programming skills in C, C#, C++, Java, SQL with excellent internship / project background. • Keen interest to work in clean room environment, Continuous Improvement Plan (CIP) projects and conduct quality checks. • Strong sense of urgency in CIM operation support and execution. • Practical problem-solving abilities during production-critical situations, while remaining composed under pressure, especially during system failures or production issues. • Proficiency in troubleshooting and debugging. • Ability to diagnose and resolve hardware and software issues effectively; communicate technical issues and implement solutions effectively across functional teams. • Adopt a proactive approach to identifying root causes and implementing long-term solutions. • Excellent teamwork skills to work closely with Manufacturing, Quality, and IT teams. • Enthusiasm to learn new technologies, tools, and systems related to semiconductor domain and CIM implementation
Responsibilities	<ul style="list-style-type: none"> • Partner with technology transfer company, to learn about system design and coding to support operational needs of Quality & Process control, Fab Automation , incorporating vendor products, including but not limited to: <ul style="list-style-type: none"> o Real-Time Dispatching, Advanced Process Control, Fault Detection Classification, Tool/ Equipment Management System, Engineering/ Production Warehouse, Production Web, Metrology Management System, Measurement System Analysis. • Equipment Automation <ul style="list-style-type: none"> • Collaborate closely with fab organization, operation users and partners to implement and develop robust solutions through quality coding and testing. • Working closely with the manufacturing (MFG) and Quality teams to identify opportunities for continuous improvement in manufacturing processes. • Participate in cross-functional initiatives to enhance production efficiency and quality. • Operational support responsibility: <ul style="list-style-type: none"> o Provide consistent support to operations by monitoring and maintaining hardware and software systems. It is to ensure high uptime and reliability of automation tools and CIM related Systems. o Manage DB transactions & Oracle packages for data management and performance tuning. o Monitor equipment tool performance, ensuring availability of data transfer and

	<p>compliance to operational requirements.</p> <ul style="list-style-type: none"> o Conduct regular maintenance and update of automation programs to ensure reliability. o Perform troubleshooting of issues and resolving them in a timely manner, focusing on both hardware and software causes. o Participate in shift pass-down meetings and provide detailed reports or feedback on issues to the production and engineering teams. o On-call is a necessity, or when on rotation basis, to support 24x7 operations.
Qualifications	<p>BE/ME Degree in Computer Science, Information Technology , ECE from IITs or NITs</p> <p>No active backlogs/arrears</p> <p>Provisional certificate must be issued by the university.</p>
Training	Role requires travel to Taiwan in January 2026
Passport Requirement	Candidate must hold a valid passport. If not, they should apply under Tatkal (2–3 days) and provide by Dec 5, 2025. Offer letters will only be released upon submission.
Bond	Candidates must be willing to sign a 2-year bond post completion of training in June.
Allowances	Additional allowance and housing will be provided for onsite training in Taiwan
Joining	Immediate joiners only - target onboarding date is Dec 10