

Tecknotrove Systems (I) Private Limited
Simulation | Virtual Reality | Augmented Reality |
Gamified Learning

Job Title:	Embedded Systems Engineer	Department:	Electronics
Location:	Andheri - East, Mumbai	Position Type:	Full-time
Experience:	2-3 years of relevant experience (We are open to exploring applications from candidates with a higher experience range as well)		

About Tecknotrove Systems

Tecknotrove Systems is a young and dynamic technology company. It is Asia's leading training and simulation company focused on developing simulation and virtual reality (VR) solutions for critical applications. It offers simulation and VR solutions for growing Industries like Automobile, Aviation, Defence and Mining. Its clients include some of the leading names in industry like Castrol, Total, Maruti Suzuki, Dubai airport, Indian Army, Rio Tinto to name a few. Its corporate office is based in Andheri, Mumbai, and the manufacturing facility is in Gujarat. The company's expertise lies in creating virtual worlds for critical applications using simulators and AR/VR technologies. Has implemented 800+ projects in over 26 countries. The company was founded 20 years ago with the vision to be a pioneer in the simulation space.

For more details refer to: <https://tecknotrove.com/>

Position Summary

We are actively ramping our electronics team in Mumbai and are hereby accepting applications from embedded firmware professionals with in-depth expertise in Embedded C (Programming) & ARM Processors. Please find below a note on the company profile & the potential roles & responsibilities.

Mandatory Competencies -

- Designing microcontroller-based circuits
- Schematic designing and PCB development using Eagle, Ki cad, and Protel software.
- Developing a new Power circuit Scheme, Designs New control Circuit Testing, and Troubleshooting at the component level.
- Embedded programming of control cards using embedded C (LPC 2148 based)
- Experience in ARM processors (LPC 2148) and knowledge of hardware like Stepper Motor, DC Motor, proximity sensors, IR sensors, Potentiometer, Encoder, etc.
- High level of embedded C firmware debugging, developing, and programming skills.
- Knowledge of electronic tools such as multimeter, CRO, logic analyzer, etc.
- Support product development and modification.

- Testing and Troubleshooting Micro-controller-based or & Micro-controller-based control card. Designing work includes specification study.
- Cross-functional coordination and issue handling.

Desired Competencies -

- Experience in Automotive Domain (Updated knowledge of various vehicles controls and features)
- Requirement gathering, system analysis, and finalization of technical specifications.
- Defining best practices for project support and documentation
- Interfacing with clients for requirement gathering.
- Identifying documents related to components and maintaining a detailed study of the same.
- Supporting service personnel on-site. Guiding manufacturing team in preparing cable harness diagram and PCB board.
- Sound knowledge of Analog electronic circuit design.
- Sound knowledge of Power electronic circuit design.
- Knowledge of the communication protocols like I2C, SPI, RS232, RS485, USB, etc.
- Understanding the fundamentals of 8/16/32-bit microcontrollers.
- Highly logical and analytical skills

Job Requirements and Qualifications	
Education	B.E.in Electronics\Computer\I.T.
Experience	2- 3 years in embedded systems development
Skills & Competencies	<ul style="list-style-type: none"> • 2-3 years of Proven experience in embedded systems. • Hands-on experience in programming languages like embedded c. • Experience in ARM processors (LPC 2148) and knowledge of hardware like Stepper Motor, DC Motor, proximity sensors, IR sensors, Potentiometer, Encoder, etc.