

Company :	Techolution India Pvt. Ltd.
Company Name :	Techolution India Pvt. Ltd.
Nature Of Business :	IT Service
Designation :	Embedded Engineer Intern
Tentative Job Location :	Hyderabad

This is an open invitation for India's best in class AI Product Engineering to join the disruptive technology and thought leader in the Facial Recognition. If you live & breath engineering by solving not only engineering problems but are passionate about building state of the art products that help a billion users to evolutionize the human experience with locks and doors by joining the world class product team, then welcome to the Techolution!

Responsibilities:

- â— Analyze engineering designs of logic or digital circuitry, motor controls, instrumentation, or data acquisition for implementation into new or existing automated, servo mechanical, or other electromechanical systems.
- â— Conduct studies to determine the feasibility, costs, or performance benefits of new mechatronic equipment.
- â— Publish engineering reports documenting design details or qualification test results.
- â— Research, select, or apply sensors, communication technologies, or control devices for motion control, position sensing, or electronic communication.
- â— Identify and select materials appropriate for mechatronic system designs.
- â— Upgrade the design of existing devices by adding mechatronic elements.
- â— Design, develop, or implement control circuits or algorithms for electromechanical devices or systems.
- â— Design advanced electronic control systems for mechanical systems.
- â— Create and debug embedded software design programs.
- â— Assess third party and open source softwares to Integrate and validate in new product developments

Technical Skills:

- â— Strong knowledge of basic of electronics
- â— Working experience with different Microcontrollers
- â— Experience in hands-on development and troubleshooting on embedded systems
- â— Solid programming experience in Arduino, Embedded C and C++ (basics)
- â— Proven experience in embedded systems design with preemptive, multitasking real-time operating systems
- â— Excellent knowledge of Linux OS and RTOS coding techniques, IP protocols, interfaces and hardware subsystems
- â— Adequate knowledge of reading schematics and data sheets for components
- â— Strong documentation and writing skills
- â— Microcontroller protocols (I2P, SPI, USB, UART)
- â— Knowledge of PCB design principles
- â— Working knowledge of test and measurement equipment like CRO, Signal Generator, Power Supplies etc.
- â— Board bring and prototyping skills

Non Negotiable Skills :

- â— In depth knowledge : Knowledge of both hardware and software. Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes. Knowing how to read through a component's datasheet and coming closer to understanding the way it works.
- â— Troubleshooting ability : Determining causes of operating errors and defining the action plan to rectify those errors
- â— Equipment Selection : Determining the kind of tools and equipment needed to do a job, selecting the right hardware components meeting the requirement and open source software or applications to achieve the desired results.
- â— Communication Skills : Communicating effectively in writing as appropriate for the needs of the audience. Talking to others to convey information effectively.

Description :

Understanding architectural diagrams and workflow documents related to work.
 â— Critical thinking ability: Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Work Activities:

- â— Design electromechanical equipment or systems.
 - â— Analyze design requirements for electronics systems.
 - â— Select project materials
 - â— Determine design criteria or specifications.
 - â— Develop software or computer applications.
 - â— Assemble equipment or components.
 - â— Fabricate devices or components.
 - â— Investigate system, equipment, or product failures.
 - â— Test performance of electrical, electronic, mechanical, or integrated systems or equipment.
 - â— Determine and Maintain operational records.
 - â— Analyze costs and benefits of proposed designs or projects.
- If you believe you are qualified and are looking forward to setting your career on a fast-track, apply by submitting a few paragraphs explaining why you believe you are the right person for this role.

Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	HSS
BT-BS	No	No	No	No	Yes	No	No	No	No	No	No	No	No	--	--	--
MT	No	No	No	No	No	No	No	No	No	--	--	--	--	--	No	--
DoubleMajor	No	No	No	No	Yes	No	No	No	No	No	No	No	No	--	--	--
dual	No	No	No	No	Yes	No	No	No	No	No	No	No	No	--	--	--
dualB	No	No	No	No	--	--	--	No	No	No	No	No	No	--	No	--
dualC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--
Mdes	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--
MBA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--
Phd	No	No	No	No	No	No	No	No	No	No	No	No	No	--	--	No
Msc	--	--	--	--	--	--	--	--	--	No	No	No	No	--	--	--
MSR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Stipend per month :
Other Facilities Offered :

Bond :
CPI CutOff :
Medical Requirments :
Resume Shortlist :
Resume Shortlist Criteria:
Aptitude Test:
Aptitude Test Duration:
Group Discussion:
Technical Test:
Technical Test Duration:
Technical Interview:
Technical Interview Duration:
Number of Techincal Interview Rounds:
HR Interview:
HR Interview Duration:
Additional Information:

15000
Flexible Timings
Remote Working
False
0.0

True
N/A
True
N/A
False
True
N/A
True
N/A

0
True
N/A