



PR/110800 | Control Design Leader

Job Information

Recruiter[JAC Recruitment India](#)**Job ID**

1614585

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

India

Salary

Negotiable, based on experience

Refreshed

September 29th, 2026 10:35

General Requirements

Minimum Experience Level

Over 6 years

Career Level

Mid Career

Minimum English Level

Fluent

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

We are seeking an experienced Embedded Software Engineer to work on the development of advanced motor control and vibration suppression algorithms. The role involves developing and implementing control algorithms, machine learning techniques, model-following control, and adaptive filtering solutions on resource-constrained embedded microcontrollers.

The successful candidate will be involved throughout the development lifecycle, from algorithm design and simulation through embedded implementation, optimization, and verification using physical hardware. The role will also involve project coordination and technical guidance of engineers.

Key Responsibilities:

- Development of Damping Control Algorithm for Motor Control
- Development of algorithms utilizing machine learning, model tracking, or adaptive filters in embedded devices.

- Improvement of processing speed and code size shrink to a level that can be implemented on embedded microcontrollers with performance constraints.
- Verification of effects not only with a simulator but also with a physical device.
- Project management and engineer guidance.

Required Skills & Experience :

- Experience in embedded C(real-time control) or C++ programming (real-time control)
- Experience in AI implementation with embedded microcontrollers, or experience related to vibration suppression control for motors, deterioration detection, or automatic load.
- Experience implementing machine learning (SVM, NN, etc.) and adaptive filters (IIR, FIR filters, etc.) on microcontrollers

About Company:

Company is setting up a new plant and will be engaged in manufacturing of power semiconductor components for various industries.

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Company Description