**MIPL Internship and Employment Drive : Batch 2025 Pass out**

**ROLES**

**Civil : BIM role:**

- Must Have exposure in Autodesk Revit Architecture and familiar with Revit tool and families.

- Exposure to various types of 2D cad drafting and sheet setup using AutoCAD/ Sketch up

- Ability to understand technical drawings and plans

- Must know what is Point Cloud projects

- Should be well known and familiar with Modelling standards and annotation sheet work and 2D detailing.

- Understanding in Revit Parametric Family

- Good Communication skill to work with team

**Mech/Auto/Aero**: Mechanical Design Engg:

- MUST: Working Knowledge of any one 3D modeling software ( Solid works/ Solid edge/ Creo/ NX )

- Good in Engineering design fundamentals

- Clarity on work done during project and Internship if any

- Good Observer in Day to day products from design perspective

- Good at Engineering communication.

**Embedded Software Engineer (EC):**

- Knowledge with embedded processor (ARM processors preferable)

- Clarity on python programming

-Linux shell script

- knowledge for Image Processing

-Must be flexible to work standalone as well as in teams

**Software developer ( CE/IT) :**

- Knowledge and good hold of any programming language ( Java/ Android/ Php/Dot Net/ React JS)

- Good in Logic

- Good understanding In Architecture

- Must be flexible to work standalone as well as in teams, Flexible to Learn Different platforms

**Embedded Firmware Engineer (EC):**

- Knowledge with 8/16/32 bit microcontroller (including ARM microcontroller)

-good knowledge of C, C++ programming

- Know how for RTOS is preferable

-Knowledge of protocols and interfaces such as UART, USART, SPI, I2C, CAN, LIN, Ethernet, WiFi, Bluetooth, GSM, GPRS

-Understanding of embedded hardware

**Embedded Hardware Engineer (EC):**

- Knowledge of Embedded HW design in Digital, Analog, and Mixed-signal circuit design.

- Know how for Power supply design, battery management, ADCs, memories, buffers, drivers, amplifiers, Microcontroller design, and different hardware protocols (UART, I2C, SPI, etc)

-Familiarity with communication protocols at the hardware level- BLE, Zigbee, Wi-Fi, GPS... etc.

-Interest in Schematic design, PCB review, Circuit simulation. (Orcad allegro)

**Instrumentation/ Electrical Design Engineer:**

- **Control Systems** Engineer to join our team developing next-generation electrochemical hydrogen electrolyzers

- Designing, implementing, and maintaining control systems in a manufacturing or plant setting.

- Perform Engineering Design calculations as required.

-Design of SLD, Interconnect diagrams, Power layouts, wiring diagrams, cable trays, and electrical layouts. in AUTOCAD electrical / Microstation / E Tap

- Prepare equipment specifications by electrical Datasheets, Equipment descriptions, and sizing