Centre for Intelligent Product Development

About CiPD: The Centre for Intelligent Product Development (CiPD) has been established at IIIT Delhi to innovate in the space of intelligent product design and development and ***to contribute towards turning India into a Product Nation***.

A primary goal of the centre is to bring together expertise from many research and expertise silos and foster innovation by creating indigenized product platforms that can help the industry to bring solutions to the market faster and at a significantly lower design cost and risk.

The Mission of the Centre is:

- To build the capability to develop **Globally Competitive Intelligent Products**
- To nurture a **sustainable product development ecosystem** in the country
- To **increase the pace of product development**

Why work with CiPD

CiPD offers you an opportunity to:

- Develop intelligent products to solve problems and improve efficiency
- Build human resources that contribute to making India a Product Nation
- Work in close collaboration with the world-class faculty at IIIT Delhi
- Work closely with, and learn under the mentorship of industry leaders
- Get exposed to the latest trends and research in product development

Position: Senior System Designer (Embedded Systems)

Number of Positions: 1

Responsibility:

- Engaging freshers, interns, and students, and nurturing their growth in hardware design and development
- Lead and guide multiple teams in the development of Proofs of Concept (PoCs), projects, and products in the field of Embedded Systems.
- Embedded Product Development – Lead product development from Concept to Production-Ready Prototype (entire PDLC)
- Managing the hardware product development lifecycle (PDLC), including processes and documentation

Requirements:

- BTech/Bachelors degree or equivalent in Electronics/ Computer Science & allied fields with Minimum 5 years of experience **or**
- MTech/Masters degree or equivalent in Electronics/ Computer Science & allied fields with Minimum 3 years of experience
- Design Experience in digital, analog, and Microcontroller.
- Experience in interfaces and related protocols such as UART, SPI, I2C, Ethernet, USB
- Experience in Wireless Connectivity such as LTE, WiFi, BLE, ZigBee, RFID.
- Experience in board bring-up, debugging, bootloader etc.
- Knowledge of C/ C++ / Assembly language programming.
- Prior experience of developing end-to-end solutions.

Desirable Requirements:

- 8-10 years of relevant experience.
- Experience of architecture design, hardware-software partitioning
- Experience of working on EDA tools
- Experience of Switched Power supply design
- Exposure to Enclosure Design
- Experience in Electro-mechanical Design considerations for Embedded Hardware Products
- Experience of high-speed ADC & DAC based designs.
- Experience of SI analysis & thermal analysis for a PCB
- Experience in DFT, DFM.

- Knowledge of Electronic Manufacturing Eco-system.
- Worked closely with EMSes having SMT lines
- Understanding of certifications & qualification standards.

Duration:

- This assignment is for 11 months, extendable as necessary.

Benefits:

- CTC of 6-12 lpa, depending on knowledge and relevant experience.

Application Process:

- Send your resume with specific focus on requirements and cover letter to - cipd@iiitd.ac.in – with subject line as “Senior System Designer (Embedded Systems)”
- Shortlisted candidates will be invited to interact with the selection committee.
- The last date to apply is **4th August 2026**, with joining on an immediate basis.
- The Institute reserves the right to extend the date of application / change the number of available positions.