

Centre for Intelligent Product Development

About CiPD

The Centre for Intelligent Product Development (CiPD), established at IIIT Delhi is to serve as a leading endeavor which pursues independent product development and innovation. A collaborative group of experts with research and industrial experience joins forces at the lab to produce advanced solutions which serve market needs and decrease both design costs and risks significantly.

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:

- Minimum of 5 years of work experience in Embedded System Design and Product Development
- 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 solution.

Desirable Requirements:

- 8-10 years of relevant experience.
- Experience of architecture design, hardware-software partitioning. Designing with DSPs/ FPGAs
- 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
- There will be an interaction with the selection committee
- The last date to apply is 21 days from the date of the advertisement, with joining on an immediate basis.
- The Institute reserves the right to extend the date of application / change the number of available positions.

Position: Associate System Designer (Embedded Systems)

Responsibility:

- Engaging Freshers/ Interns/ Students in their Labs / Projects
- Design, develop and test Subsystems of Embedded Products Development
- Documentation as per the needs of product development lifecycle

Requirements:

- BTech/ MTech degree or equivalent in Electronics/ Computer Science & allied fields
- Minimum Experience: 2 years after graduation (MTech with 0 years)
- Good knowledge of Microcontrollers and their interfaces
- Knowledge of C / C++ Programming
- Experience of doing one project in Embedded domain

Desirable Requirements:

- Desirable: Knowledge of Schematic Capture / PCB Design
- Curious and keen to learn and work in Embedded / hardware domain
- Work seamlessly within diverse teams to drive collective success

Duration

- This assignment is for 6 months, extendable as necessary. [should be for 9
- Good candidates will be absorbed for a regular position based on their performance during the training period, as per policy

Benefits

- Monthly stipend of INR 30,000/- to 40,000/- , depending on relevant experience
- Based on performance the stipend will be reviewed after 6 months

No. of Positions

- 3, however, the position may not be filled if good candidates are not found

Application Process:

- Send your resume with specific focus on requirements and cover letter to - cpd@iiitd.ac.in
- There will be an interaction with the selection committee
- The last date for submission of applications is 21 days from the date of publication of this advertisement.
- The Institute reserves the right to extend the date of application / change the number of available positions.