

iPD-CP INTELLIGENT PRODUCT DEVELOPMENT CERTIFICATE PROGRAM

TURNING INDIA INTO A
PRODUCT NATION

PROGRAM
BROCHURE



PREAMBLE

India is at a critical juncture in its goal to become self-reliant in electronics. It aspires to become a Product Nation by developing globally competitive world-class products. With the government's strong focus on **"Innovate in India"**, numerous opportunities to rise up the value chain are being created.

There is a growing demand for skilled professionals capable of developing intelligent electronics products that are globally competitive. Government initiatives like Atma Nirbhar Bharat and Make in India for the **ESDM and Semiconductor sectors** have underlined the need to **Turn India into a Product Nation**.

A strong demand for trained professionals to conceptualize, design, prototype, and manufacture electronics products is building up. The **Intelligent Product Development - Certificate Program** is designed to address this gap by upskilling talent and accelerating innovation in the sector. By enrolling in this program now, the participants get an opportunity to intercept the rising tide. The industry needs qualified product developers who can contribute to India's technological self-reliance.

Join this journey and shine like a star!

ABOUT THE PROGRAM

The Intelligent Product Development - Certificate Program is a comprehensive hands-on training and skilling initiative to empower aspiring start-ups, recent graduates, young professionals, and students with the expertise to design and develop production-ready electronics products. The program focuses on bridging the skill gap in India's electronics product sector by providing hands-on learning in Product Conceptualization, Ideation, Design Thinking, Product Design, Embedded Systems, Embedded Hardware, Design for Test (DFT), Design for Manufacturing (DFM), Schematics Design, PCB Layout, PCB Fabrication, PCB Assembly, Embedded Software, Enclosure Design, and Production Readiness.

Developed in collaboration with industry experts and leading academic institutions, the program provides:

**Design Thinking &
User-centered Design**

**24-weeks Full Time
on-campus Program**

**Product Design &
Embedded Systems**

**Concept to Production
Ready Prototype**

**Product Development
Life Cycle Processes**

**Testing, Validation &
Production Readiness**

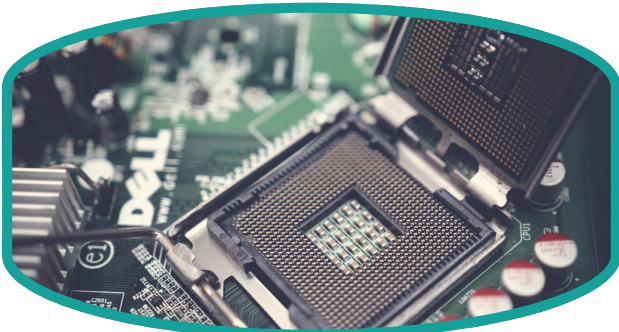
PROGRAM HIGHLIGHTS

Comprehensive Curriculum – Covers embedded systems, intelligent hardware, PCB design, testing, and product innovation.

Hands-on-Training – Practical workshops, prototyping, and live projects with the latest industry tools.

Industry Collaboration – Direct mentorship and training by leading industry professionals.

Innovation & Entrepreneurship Support – Funding and incubation support for startups.



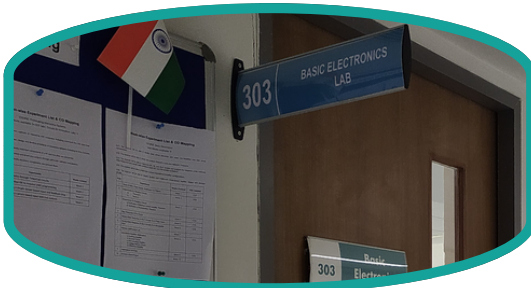
ELIGIBILITY

Final-year engineering and diploma students with keen interest in building world-class Hardware Products

Recent graduates looking to upskill and enhance their employability

Hardware startups & entrepreneurs seeking to be first-time-right in product development and its commercialization.

Industry professionals looking for specialized training in Product Design, Embedded Systems and Production Readiness



PROGRAM DELIVERY & LEARNING MODEL

The program will be delivered in person at IIIT-Delhi. Learning will include:

- Program modeled on Training provided by Product Companies to its fresh hires
- Instructor-led training by industry experts
- Hands-on Labs to reinforce learning
- Strong emphasis on Product Development Life Cycle Processes
- Capstone Project - Production Ready Prototype development & commercialization support
- Immersive Industry Visits



APPLICATION TIMELINE

Event	Date
Admission Start	April 4, 2025
Application Deadline	April 28, 2025
Shortlisted Candidates Announcement	May 1, 2025
Admission Interview	May 10 to 12, 2025
Result Announcement	May 15, 2025
Document Verification	May 22, 2025
Fee Deposit Deadline	June 1, 2025
Program Start Date	June 23, 2025

STRUCTURE OF THE CERTIFICATION PROGRAM

The program is envisaged as a 24-week intensive with exposure to different stages of product development. The tentative structure is as follows:

Module Name	Learning Outcome
Design Thinking and User-Centered Design for Embedded Systems	Empathizing with the user, gathering requirements, and designing user-centric electronic products
UX for Intelligent Product Development	Gain comprehensive skills in managing the entire embedded systems product lifecycle, from requirements and design to integration, testing, UI development, and documentation, following industry best practices.
Embedded Hardware and Software Fundamentals and Implementation	Introduces the foundational principles of embedded hardware and software design, covering PCB design, hardware components, embedded operating systems, and essential device drivers for robust system development.
Embedded System Integration and Optimization for Production	Integrating hardware components, optimizing system performance, ensuring power efficiency, and preparing embedded systems for reliable product readiness.
Testing and Validation	Testing methodologies, including functional testing, test bench design, test automation, and user usability testing, to ensure embedded systems meet quality and performance standards.
Product Finalization and Production Readiness	Embedded systems for production, covering final design review, prototype validation, BOM finalization, quality assurance, and production test plans to ensure a reliable, production-ready product

FEE STRUCTURE IPD-CP PROGRAM

A. Fee Structure

Particulars	Amount (INR)
Application Fee	800 ^{+GST}
Program Fee	1,25,000 ^{+GST}

B. Payments Terms: The program fee of INR 1,25,000^{+GST} can be paid in either installments or in full in advance

1. Payment in Installments

Particulars	Amount (INR)	Timeline for Payment
1st Installment	75,000 ^{+GST}	Three weeks before the start of the program (on or before June 1, 2025)
2nd Installment	35,000 ^{+GST}	Within 5 weeks after the start of the program (on or before July 21, 2025)
3rd Installment	15,000 ^{+GST}	Within 13 weeks after the start of the program (on or before Sept 15, 2025)

2. Full payment in advance: There is a discount of INR 5,000 if the candidate pays the full program fee.

Particulars	Amount (INR)	Timeline for Payment
Program Fee	1,20,000 ^{+GST}	Three weeks before the start of the program (on or before June 1, 2025)

Note: 18% GST applies to the Program Fee & Application Fee

REFUND OF FEE

- Application Fee is non-refundable in any circumstances.
- If the Program Fee is paid in installments or full payment in advance, the refund will be applicable as per the following table:

Withdrawal Timeline	Deduction at Refund
Within three working days before the start of the program (June 18, 2025)	The paid Amount will be refunded after deducting INR 15,000
Within two weeks after the start of the program (July 6, 2025)	The paid amount will be refunded after deducting 25% of the total non-discounted fee
Within five weeks after the start of the program (July 27, 2025)	The paid amount will be refunded after deducting 50% of the total non-discounted fee
After July 27, 2025	No refund of fee

SCHOLARSHIPS

Attractive scholarships are available to meritorious women and EWS candidates:

1. Merit-Based Scholarships (20 Nos)

- Toppers of eligible degree/ diploma programs (details available on the website) - 10 Nos
INR 25,000/15,000/10,000
- Winners of hackathons recognized by CiPD (details available on the website) - 10 Nos
INR 25,000/15,000/10,000

2. Non-Merit Based Scholarship (No Limit)

- EWS Scholarship
 - **INR 25,000** - if no merit-based scholarship availed
 - **INR 10,000** - if any merit-based scholarship availed
- Women candidate Scholarship **INR 10,000**

Document Submission Guidelines:

- Submit a copy of the required documents on or before May 22, 2025.
- Bring the originals for verification.
- Failure to provide the required documents in time may result in the cancellation of the admission offer

For EWS Candidates:

- EWS Certificate issued by a competent authority (must be valid at the time of application).
- An income certificate is required to verify economic status (if not included in the EWS certificate).
- Aadhar Card (for identity verification).

NOTE: In case of any dispute, the decision of the Admission Committee, iPD-CP will be final, binding, and not subject to further consideration or challenge.

iPD-CP

INTELLIGENT PRODUCT DEVELOPMENT CERTIFICATE PROGRAM

TURNING INDIA INTO A
PRODUCT NATION



**ADMISSION OPEN
APPLY NOW !**