



COEP Technological University

(COEP Tech)

A Unitary Public University of Government of Maharashtra

w.e.f 21st June 2022

(Formerly College of Engineering Pune)



Department of Manufacturing Engineering and Industrial Management

Offers

ONE YEAR FULL TIME POST GRADUATE DIPLOMA IN INTEGRATED PRODUCT DESIGN AND DEVELOPMENT(PGDIPDD)

(Hybrid Online-Offline Mode)



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ABOUT COEP Tech:

The College of Engineering Pune (COEP) was established in 1854. It is one of the oldest and premier engineering institutions in the country. It has rich history and dedication to the pursuit of excellence and offers a unique learning experience across a spectrum of academic and social experiences. With a firm footing in truth and humanity, the institute provides its students with the understanding of both technical developments and the ethics that go with it. . In 2022 COEP became a Unitary Public University of Govt. of Maharashtra.

Department of Manufacturing Engineering and Industrial Management is catering to the needs of all the disciplines. Owing to the manufacturing challenges and competition in industries, Flexible Manufacturing & Automation is slowly and steadily replacing the conventional manufacturing processes in order to increase productivity. The infrastructure is available in the form of CAD / CAM Laboratory, precision measuring-based Metrology Laboratory and Robotics Laboratory, Rapid Prototyping Lab and FAB Lab.

About the course:

“From Ideas to product, through seamless technology”

- The one year full time Post Graduate Diploma Programme in “Integrated Product Design and Development” (Hybrid Mode) aims at developing skills, knowledge, and aptitude among the students to bring about innovation in industry through creative problem solving.
- This program will lay equal emphasis on engineering design aspects with the objective to produce post graduate designers with greater analytical ability and synthesizing skills.
- The program aims to nurture the ideas and innovations (knowledge-based and technology-driven) into successful start-ups/ventures.
- The program aims at working in line with the national priorities and goals and its focus would be to build an innovation driven entrepreneurial ecosystem with an objective of socioeconomic development through wealth and job.

Course Structure

| Sr. No. | Name of the Course | L | T | P | Credits |
|------------------------------|-----------------------------------------------------------------|-----------|----------|----------|-----------|
| SEMESTER I (16 Weeks) | | | | | |
| 01 | Introduction to Design and Innovation | 3 | - | - | 3 |
| 02 | Product Communication and Interface Design | 3 | - | - | 3 |
| 03 | Collaborative Design Methods for New Product Development | 3 | 1 | - | 4 |
| 04 | Selection of Materials and Manufacturing processes | 3 | - | - | 3 |
| 05 | Introduction to Electronics / Mechanical (bridge course) | 3 | - | - | 3 |
| 06 | Computer Aided Product Detailing (rendering/ Design Studio) lab | - | - | 2 | 1 |
| 07 | Product Design Prototyping and Advanced Manufacturing Lab | - | - | 4 | 1 |
| TOTAL | | 15 | 1 | 6 | 19 |

| | | | | | |
|-------------------------------|------------------------------------------------------------|-----------|----------|-----------|-----------|
| SEMESTER II (16 Weeks) | | | | | |
| 01 | Design for Usability and Sustainability | 3 | - | - | 3 |
| 02 | Design Management and Professional Practice | 3 | - | - | 3 |
| 03 | Design for manufacturing, Assembly and Maintenance (DFMAM) | 3 | 1 | - | 4 |
| 04 | Elective-I | 3 | - | - | 3 |
| 05 | Form and Aesthetics Lab | - | - | 4 | 2 |
| 06 | Product electronics and instrumentation lab | - | - | 4 | 2 |
| 07 | Mini Project-II | - | - | 4 | 2 |
| TOTAL | | 12 | 1 | 12 | 19 |
| Elective-I * | | | | | |
| 01. | Vehicle and Transportation Design | | | | |
| 02. | Agricultural and Farm Product Design | | | | |
| 03. | Biomedical Device Development | | | | |

| | | | | | |
|--------------------------------|--------------------------------------------------------|---|---|---|-----------|
| SEMESTER III (16 Weeks) | | | | | |
| 01 | Industry internship/Complete product design case study | - | - | - | 8 |
| 02 | MOOCS course on Basics of AI | - | - | - | 4 |
| TOTAL | | | | | 12 |



Programme Objectives

- To understand the cycle of product design and development
- To get motivated for technological innovation in multiple domain
- To learn research based approach for product development
- To empower product based entrepreneurship skills

Information to the Candidates

Eligibility Criteria:

- B.E./B.Tech./ M.E./M.Tech. in
M - Group (Mechanical/Production/Automobile/Industrial/Aeronautical/ Agricultural Engineering/ Marine Engineering)
E- Group (Electronics / Instrumentation / Electrical / Computer)
Freshers and candidates with prior work experience both can apply.
- Those appearing for their final year degree examination may also apply. On selection, such candidates will have to fill a Notarized Undertaking on Rs. 100/- Non-Judicial Stamp Paper and submit it to PGDIPDD Admissions Team at the time of payment of Programme Fees

Course Fee:

- Course fee mentioned on the website is to be paid online at the time of the admission

Selection Criteria for the admission:

- Candidates shall be admitted as per the selection procedure mentioned on the website

Total Number of Seats:

- Total Number of seats for the program is 20

Contact:

PGDIPDD Admissions

Department of Manufacturing Engineering & Industrial Management,
COEP Technological University, Shivajinagar, Pune-411005

☎ 020-25507709/ 020-25507700/ 9007034818/9404388383

✉ pgdipdd@coeptech.ac.in

PGDIPDD Course (2025-26) Eligibility Criteria for Final year appearing students of AY 2024-25:

Those appearing for their final year Degree examination and are sure of passing in Graduation level may also apply.

On selection, such candidates will have to fill a Notarized Undertaking on Rs.100/- Non-Judicial stamp paper ([Click hereto download the matter of Undertaking-I](#)) stating that: His/her admission to PGDIPDD 2025-26 course is on provisional basis and the admission will be confirmed only after producing the passing certificate and the mark sheet (meeting the eligibility criteria) of qualifying degree examination from the concerned University on or before 15th September 2025, failing which the admission will stand cancelled and there will be no refund of the course fee paid to COEP Technological University, at the time of joining the PGDIPDD Course. No certificate / grade sheet will be issued by COEP Technological University for partial/ incomplete education of PGDIPDD Course.