Parul®
University

NAAC A++
ACCREDITED UNIVERSITY

Centre for Continuing Education
and Online Learning

DIPLOMA PROGRAM

IN INDUSTRIAL

DESIGN

Program Code:
2275903

Course Duration:
1 Year

Course Fees:
Rs. 25,000/- & $450

PARUL UNIVERSITY

Parul University is an intellectual and a creative quest for all its stakeholders viz. Indian and International Students, Parents, Alumni, Faculties, Industry & Academic partners as well as society at large. We believe in proliferating our efforts towards quality education and environment. Every year we advance our targets to make headway to our scholarly endeavors.

Our University brings to everyone the best of all worlds. Be it its ethics, global exposure, contemporary educational practices, innovation and growth, PU outshines in all of these. We aim to make successful academic pursuits through entrepreneurship, research, modernization and partnerships with educationally inclined organizations, thus enhancing our position as the finest education destination.

We have been pioneers in accepting various interdisciplinary programs and have included them to our ideal and promising higher education curriculum. Starting with this decade it's our collective effort to empower more youth towards the pursuit to continuously learn, enhance skills, generate better employment opportunities and become competent entrepreneurs. For this very purpose, we are initiating a plurality of short term courses.

CENTRE FOR CONTINUING EDUCATION & ONLINE LEARNING

In this present day world, each year creates a generation gap which leads to change in the demand of job skills by the employers. Parul University has embarked on filling this gap by enlightening students and working professionals with the most updated skill based education and to transform them into adept industry professionals and talented entrepreneurs.

Parul University is introducing multiple programs under Centre for Continuing Education & Online Learning which are developed as per industry requirements and in compliance with the changing market needs.

DUAL DEGREE PROGRAM - LETS YOU EARN TWO CREDENTIALS IN DISTINCT DOMAINS

With the ever increasing knowledge and skills in today's competitive world, Parul University's Dual Degree opportunities allow you to pursue two degrees at the same time. Pursuing dual degrees will provide you with the most competitive advantage, and will give you diverse knowledge in multiple fields and disciplines. Undergraduate and Postgraduate students can undergo two degree programs in distinct fields. All programs offered by Parul University under Dual Degree are designed in line with NEP 2020 and guidelines suggested by University Grants Commission (UGC).

Surprising Benefits of Graduating with a Dual Degree

• Enhancing Employability and Entrepreneurship Skills

• Increase in Knowledge Base

• Diverse Career Options

• Enhancement of Multi-disciplinary Talent

• Saving of Time and Money

PREAMBLE

The diploma course in industrial design is a comprehensive program that provides participants with the knowledge, skills, and practical experience needed to become successful industrial designers. This course will cover a wide range of topics, including principles of product design, drawing, sketching, modelling, ergonomics, aesthetics, and many more. Students will learn to use a variety of design tools and techniques, including computer-aided design (CAD) and reverse engineering, to create innovative and functional products that meet the needs of consumers. Through hands-on projects, critiques, and design studios, students will develop their design skills and gain a deep understanding of the design process. Upon completion of the course, participants will be well-prepared to enter the workforce as professional industrial designers, ready to make a positive impact on the world through their designs.

Program Name: Diploma in Industrial Design.

Program Type: Diploma

Program Duration: 1 Year

For Whom: Individuals with 10+2 education or relevant education

Program Fees: The program fee is Rs. 25,000/- for Indian Candidates and $450 for International Candidates.

PROGRAM HIGHLIGHTS:

• Diploma Certificate Program in Industrial Design

• Project Work based on Industrial Design and Industry Drawings.

• Knowledge of the Latest CAD Software.

• Able to Use All Kinds of Design Software.

CAREER OPPORTUNITIES

A candidate by undergoing this program shall have the following career opportunities: On successful completion of the course the candidates can either get employed or become a self-employed Entrepreneur in the following fields:

1. Design Engineer
2. Design Consultant
3. Design Entrepreneur
4. Designer for Make in India – start-up projects
5. Product Designer in leading Design Studios
6. Design Educator
7. Design Researcher

PROGRAM OBJECTIVES AND OUTCOMES

Program Objectives	Program Outcomes
Recall key concepts and principles of industrial design, computer-aided design, and professional practice in industrial design.	Match the need for fundamental theories of design to be a professional designer.
Explain the process of design including concept generation, drawing, sketching, modelling, prototyping, and final product design.	Recognize various procedural stages involved in industrial design.
Apply the knowledge and skills to generate design ideas for creating functional and innovative designs using computer-aided design.	Demonstrate skill sets related to the use of computer-aided design tools for generating innovative conceptual designs to cater to the functional requirements of the user.
Analyze design problems to offer appropriate design solutions looking to the needs of users considering the various constraints.	Examine various design problems to propose different solutions with reference to constraints and the need of users.
Evaluate proposed solutions of designs comparing them in terms of feasibility, manufacturability, ergonomics, aesthetics, functionality, usability, and economy.	Defend the proposed design solutions to select the same by comparing them in various aspects of development.
Design products and systems that meet criteria like optimization, quality, reliability, and robustness.	Build a portfolio of designs to showcase skills and abilities as designer.

COURSE CURRICULUM:

Semester – I					
Sr. No.	Subject Name	Teaching Scheme (Contact hrs/week)			Credit Assigned
		Theory	Practical/Tutorial	Total	
1	Principles of Industrial Design	3	2	5	4
2	Drawing for Industrial Design	2	4	6	4
3	Computer Aided Industrial Design – I (2D)	2	4	6	4
4	Mechanism and Synthesis	3	2	6	4
5	Design Workshop	0	8	8	4
				TOTAL	20

Semester – II					
Sr. No.	Subject Name	Teaching Scheme (Contact hrs/week)			Credit Assigned
		Theory	Practical/Tutorial	Total	
1	Computer Aided Industrial Design – II (3D)	3	2	5	4
2	Mechatronics System Design	3	2	5	4
3	Advanced Techniques in Industrial Design	3	2	5	4
4	Design Studio Project	3	2	5	4
5	Program Elective	0	8	8	4
				TOTAL	20

PROGRAM ELECTIVES

Group: 1: For the participants interested in Mechanical/ Automobile/ Electrical domain: Creo/ Solidworks/ Fusion 360/ Inventor

Group: 2: For the participants interested in Civil/ Architecture domain: Revit/ Smart Home 3D/ Auto CAD 3D Civil