

## DIPLOMA PROGRAM IN **GREEN AND SUSTAINABLE** **TECHNOLOGY**

**Program Code:**

2275902

**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 program introduces green science and technology constitutes a new term in the science of information that describes the utilization of the natural environment and natural resources regarding sustainability and sustainable development.

**Program Name:** Diploma in Green and Sustainable Technology

**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 Green and Sustainable Technology
- Project Work based on Environmental renewable resources and their utility
- Principles of green technologies and a deep understanding of sustainability issues

### **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:

<ol style="list-style-type: none"><li>1. Air Quality Manager</li><li>2. Chief Sustainability Officer</li><li>3. Energy Analysts</li><li>4. Environmental Consultant</li><li>5. Environmental Health and Safety Advisor</li></ol>	<ol style="list-style-type: none"><li>6. Forest and Conservation Technicians</li><li>7. Renewable Energy Consultant</li><li>8. Air, Soil, Water Resources Consultant</li><li>9. Natural Resources Specialist</li><li>10. Environmental Protector and Analyst</li></ol>
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## PROGRAM OBJECTIVES AND OUTCOMES

Program Objectives	Program Outcomes
Illustrate the knowledge of diversifying energy sources and classify the sustainability.	Rectify and develop new energy sources that reflect green and sustainable knowledge.
Interpret the fundamentals of green science and its legislation.	Describe making the balance between a synthetic and green world.
Apply the science of sustainable technology to the real world.	Evaluate the benefits and drawbacks of specific environmental challenges & concerns about nature.
Evaluate renewable resources based on environmental needs.	Examine current environmental problems and solutions from the industry and academia.
Compile the scientific and technical aspects of green controls & measures.	Develop different control measures for sustainable technologies on the basis of legislation.

## COURSE CURRICULUM:

Semester - I					
Sr. No.	Subject Name	Teaching Scheme (Contact hrs/week)			Credit Assigned
		Theory	Practical/Tutorial	Total	
1	Green Chemistry	4	0	4	4
2	Green Biotechnology	4	0	4	4
3	Sustainable Challenges & Environmental Concerns	4	0	4	4
4	Environment, Health & Safety	4	0	4	4
5	Legislation on Green Science & Technology	3	0	3	3
6	Seminar	0	2	2	1
<b>TOTAL</b>					<b>20</b>

**COURSE CURRICULUM:**

<b>Semester - II</b>					
Sr. No.	Subject Name	Teaching Scheme (Contact hrs/week)			Credit Assigned
		Theory	Practical/Tutorial	Total	
1	Green Energy Sources	4	0	4	4
2	Environmental Controls & Measures	4	0	4	4
3	Case Studies in Green Technology	4	0	4	4
4	Project Work	0	16	16	8
<b>TOTAL</b>					<b>20</b>