

Savitribai Phule Pune University

Ad-hoc Board of Studies in Sustainable Development

Diploma in Technology for Sustainable Development

- Eligibility** : B.Sc.(Science, Geography, Geology), B.E.(Mech. Electronics) or Equivalent.
- Objective** : (1) To learn various techniques useful in sustainable development.
(2) To train students with hands on skills essential for understanding and dealing with environmental issues.
(3) To equip students for working in urban and rural area with effecting the sustainable development.
- Duration** : One Year
- Student Intake** : 20 Nos.
- Course fees** : Rs.40,000/-
- Admission process** : Based on interviews.
- Course Structure** : The course is equivalent to 50 Cr. It can be a full-time or part-time course.
- Syllabus** : Consists of Certificate course in Sustainable Development (Basic) and Certificate course in Sustainable Development (Advance) considered together.
- L - Lectures P-Practical hours.
- Methodology** : The course will be conducted with classroom lectures, each of one clock hour and also field training.
- Assessment** : Final assessment will be based on 100 Marks Written test and 100 Marks Project viva.

Certificate : All the students passing the examination will be given a certificate with grade. Failed students will be given attendance certificate.

List of Books :

1. Environmental Impacts of Production and use of Energy. Essam E El. Hinnawi
2. Oil and Gas, Ashok Desai
3. Water & Waste Water Analysis, Kaul & Gautam

GIS Reference Books:

1. Essential Image Processing & GIS For Remote Sensing By Philippa J Mason.
2. Textbook of Remote Sensing and Geographical Information Systems By Kali Charan Sahu.
3. Textbook of Remote Sensing and Geographical Information Systems By M Anjit Reddy.
4. GIS Auto Cad Map - NIIT

Oil Exploration Technologies :

- 1) Technical Guidelines for Oil and Gas Development By John Gilbert

Environmental Impact Assessment :

- 1) Environmental Impact Assessment And Management By B B Hosett & A Kumar.
- 2) Methods Of Environmental Impact Assessment By Peter Morris & Riki
- 3) Environmental Impact Assessment By Richard Morgan
- 4) Introduction To Environmental Impact Assessment By John Glasson, Rinki Therivel, Andrew Chandwick.

Solid And Hazardous Waste Management:

- 1) Hazardous Waste Management By Sumit Malhotra
- 2) Hazardous Material And Hazards Waste Management By Gayle Woodside

Water Recycling Technologies:

- 1) Recycling Of Industrial Effluents By R Manivanan