



Diploma in Watershed Management

**Sponsored by
Department of Land Resources, MORD, GOI**

**School of Agriculture
IGNOU, New Delhi**



THROUGH OPEN DISTANCE LEARNING (ODL)


OBJECTIVES

- ◆ **Develop human resource in watershed development and management.**
- ◆ **Generate awareness about the importance of sustainable development and maintenance of natural resources.**
- ◆ **Introduce the principles of the watershed management approach and the value of working in a watershed.**





- ◆ **Delineate different techniques for accessing and predicting physical, chemical and socio-economic conditions with in a watershed including water quality.**
- ◆ **Mobilization and capacity building of rural youth, women and landless.**
- ◆ **Develop skills for small scale irrigation and water supply structures for human being and livestock through water and soil conservation strategies.**

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- Eligibility** : Senior Secondary (10+2) or Bachelor Preparatory Programme
- Duration** : One year and max. four years
- Medium of Instruction** : English followed by Hindi and regional languages
- Target Group** : Rural youth /Social workers/volunteers working with NGOs/ Government functionaries implementing watershed development programmes
- Fee** : Rs. 9000/- (50% Fee reimbursement for students of rural background and below poverty line).

COURSES

- ✓ **Fundamentals of Watershed Management**
- ✓ **Elements of Hydrology**
- ✓ **Soil and Water Conservation**
- ✓ **Rainfed Farming**
- ✓ **Livestock and Pasture Management**
- ✓ **Horticulture and Agro-Forestry Systems**
- ✓ **Funding, Monitoring, Evaluation and Capacity Building**
- ✓ **Project Work integrating various aspects related to Watershed Management**

Weightage

Theory : Practical = 50% : 50%





Project Formulation

Phase-1

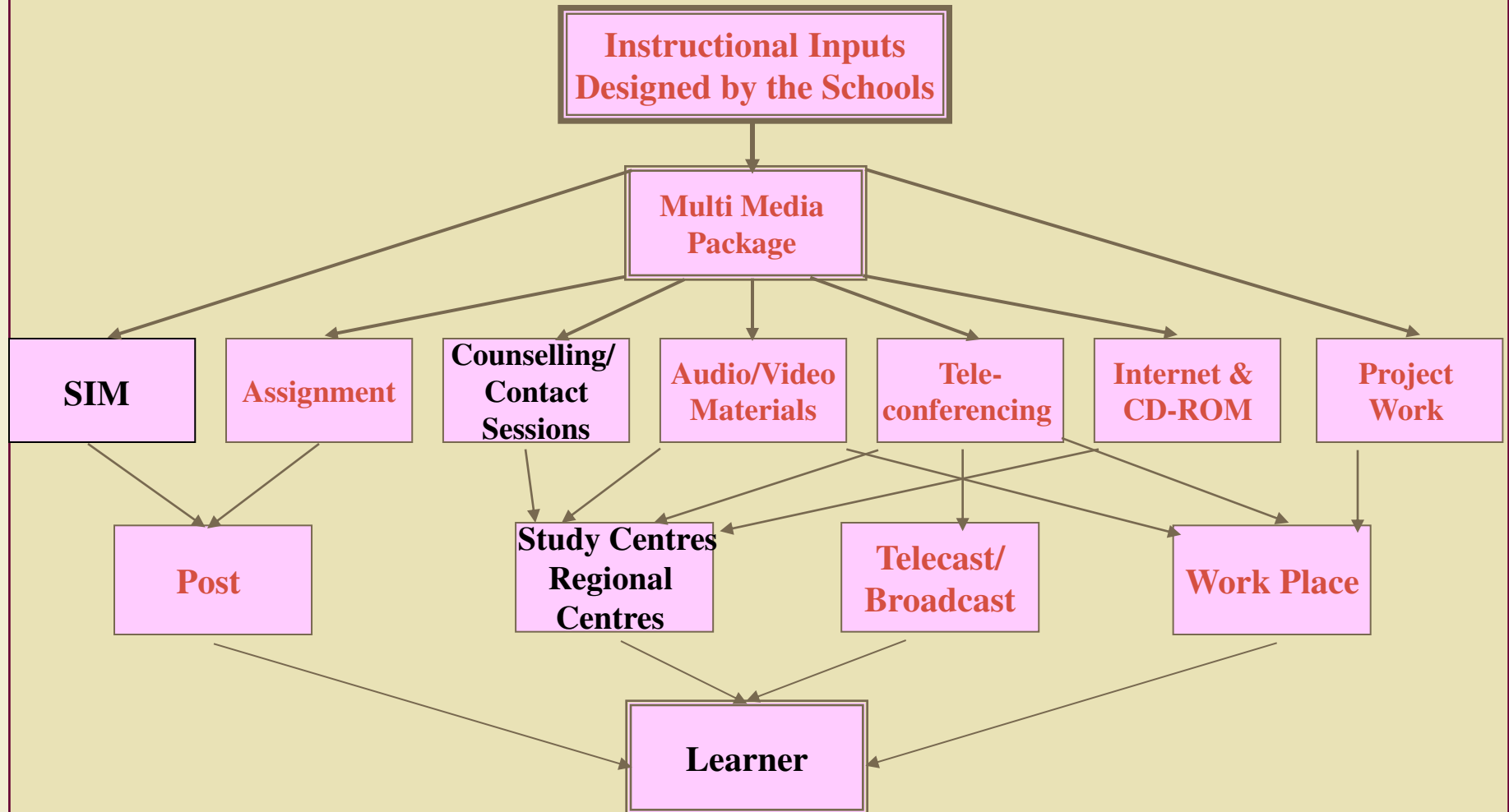
Exposed to Formulation of Detailed Project Report (DPR) for undertaking watershed development programmes.

Phase-2

The participants will study various aspects of design and formulation of watershed projects including impact assessment in a particular watershed for 2 weeks.



DELIVERY MECHANISM OF ODL





Requirements for Programme Study Centres (PSCs)

- ◆ **Infrastructure**
- ◆ **Faculty**



Infrastructure for Conducting Practicals

- **A Model Watershed**
- **Surveying Laboratory**
- **Soil Analysis Laboratory**
- **Hydrology Laboratory**
- **Farm Machinery Shed**
- **Irrigation Laboratory**
- **Food Processing Laboratory**
- **Animal Shed having poultry farm, piggery etc.**



Qualification for Counsellors/Coordinators for PSCs

- ◆ **B.Tech. (Agriculture Engineering)/**
- ◆ **M.Tech. (Soil and Water Conservation Engineering)/**
- ◆ **M. Tech. (Soil and Water Engineering)/**
- ◆ **M.Sc. (Agronomy)/ M.Sc. (Horticulture)/
B.V.Sc (Animal Husbandry)/**
- ◆ **M.Sc. (Extension)/ M.Sc. (Social Science).**



Counselling Sessions at PSCs

Theory

20 sessions of 2 hr each session

Practical

- ◆ **60 sessions of 4 hr each session**
- ◆ **One month for project report preparation**

75% attendance in practical sessions is mandatory.



Institutions for Establishment of PSCs

- **State Agricultural Universities**
- **Departments of Agricultural Sciences**
- **Agricultural Colleges at PG Level Offering Agricultural Engineering or Soil and Water Engineering**
- **ICAR Research Institutes**
- **Krishi Vigyan Kendras**
- **NGOs engaged in watershed activities**

Programmes well equipped for imparting practical training as per the requirement of the programme.