

physical, chemical and socio-economic conditions within a watershed including water quality;

- ❖ Mobilization and capacity building of rural youth, women and landless; and
- ❖ Develop skills for development of small scale irrigation and water storage structures for human and livestock through water and soil conservation strategies.

### PROGRAMME STRUCTURE

The Diploma Programme consists of eight courses of four credits each - seven theory courses and one project formulation.

- ❖ 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 Formulation/Project Work.

**Video Programmes:** The self learning instructional material shall be supported with the video programmes.

### ELIGIBILITY REQUIREMENTS

- ❖ 10+2 pass/Bachelor Preparatory Programme (BPP) from IGNOU
- ❖ 10<sup>th</sup> pass can enroll simultaneously for the BPP and the Diploma programme.

### ADDITIONAL INFORMATION

Additional information about the programme and the admission details are available at IGNOU website [www.ignou.ac.in](http://www.ignou.ac.in)

Programme Fee: Rs. 9,000.00

Duration: Minimum 1 year and maximum 4 years

Medium of Instruction: English

### JOB OPPORTUNITIES

Diploma holders will be fully equipped to serve different Government and Non-Governmental Organizations (NGOs)

dealing with watershed projects, Urban Housing Boards, Private Real Estate Builders, Soil Conservation Departments and Ground Water Boards as Soil Conservation and Agriculture/Horticulture Inspectors, Agro-forestry Surveyors, Water Harvesting Technicians/ Supervisors, Livestock Assistants. There is an ample scope for setting up Self Entrepreneurship Units.

### STUDENT SUPPORT

**Learning Material:** The printed study material is sent to the student at home by post.

**Audio-visual learning aids:** The learning package is supported by audio and video CD's and cassettes prepared by the University. These are available at the designated study centres.

**Academic Counselling:** These sessions are organized as per the schedule drawn up by the Study Centre Coordinator. They are usually held during the weekends/holidays.

**Tele-conferencing:** Through Gyan Darshan Channels and EduSat. One Gyan Darshan channel is available on DTH platform.

**Interactive Radio Counselling:** Through phone-in programmes on AIR and Gyan Vanl.

The Director

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# Diploma in Watershed Management (DWM)

A Collaborative Programme with  
Department of Land Resources  
Ministry of Rural Development  
Government of India



School of Agriculture  
Indira Gandhi National Open University  
Maidan Garhi, New Delhi-110068, India  
website: [www.ignou.ac.in](http://www.ignou.ac.in)

## ABOUT IGNOU

The Indira Gandhi National Open University (IGNOU) was established by an Act of Parliament in 1985 to provide cost-effective quality education to large sections of population including those living in remote and far flung areas. Today, it serves the educational aspirations of about 2.4 million students in 33 countries through twenty one Schools of Studies and a network of 61 Regional Centres, more than 2300 Study Centres and around 53 partner institutions abroad. The University offers need based academic programmes including professional, vocational and general awareness programmes. Most of these programmes have been developed to fulfill the learners need for:

- ❖ improvement of skills;
- ❖ certification;
- ❖ acquisition of professional qualifications;
- ❖ continuing education and professional development in the workplace; and
- ❖ self-enrichment.

The teaching-learning process is through self-instructional learning materials based on the credit system. The self-study is aided by support facilities provided at the Study Centers throughout the country. IGNOU offers 325 Certificate, Diploma, Degree and Doctoral programmes. Academic counsellors drawn from conventional institutions of higher learning and professionals from various organizations also give the necessary back-up. IGNOU has been extensively using electronic media to provide support services. The application of state-of-the-art ICT has further helped in reaching out to the hitherto un-reached sections of the society. Access, quality and equity are IGNOU's guiding principles.

## SCHOOL OF AGRICULTURE

The School of Agriculture (SoA) was established in 2005 with a mission to improve and sustain productivity and quality of human life in rural areas through Open and Distance Learning (ODL) system in agriculture and allied sectors. The School has already launched four Post Graduate, eleven Vocational and two Awareness Programmes successfully and is in the process of designing a number of new programmes of regional and national importance.

## ABOUT THE PROGRAMME

India occupies approximately 2.4% of the total geographical area of the world, while it supports over 15% of the world population. Unprecedented population pressure and increase in demand of scarce land, water and biological resources and increasing degradation of these resources are adversely affecting the stability and resilience of our ecosystems and the environment leading to wastelands. Wasteland development is of great significance to realize the full potential of the available land resource and avert its further degradation. Watershed development holds the key to confront these problems. The government is implementing watershed development programmes through the Programme Implementation Agencies (PIA) which are not fully equipped with the technically trained personnels in different aspects of watershed development/management. There is an urgent need of qualified persons, well versed in various aspects of watershed management including project processing, review, monitoring and evaluation. This will

lead to qualitative transformation of important activities in watershed projects.

The Diploma Programme in Watershed Management aims at developing competent human resource in the field of Watershed Development/Management. It intends to impart basic knowledge and skills for water harvesting, conservation and utilization; soil erosion and its management; integrated farming systems including crop husbandry, animal husbandry, agroforestry, fish farming; funding, monitoring, evaluation and capacity building of watershed programmes besides extension and communication skills for long term socio-economic development of the society. It will provide the basic understanding of various activities undertaken during watershed development. The programme also intends to address the workforce requirement of the watershed management and focus on upgrading the knowledge and skills of existing personnel in the watershed development.

## OBJECTIVES

- ❖ Develop human resource for watershed development;
- ❖ Introduce the principles of the watershed management approach;
- ❖ Generate awareness of sustainable development and maintenance of natural resources;
- ❖ Delineate different techniques for accessing and predicting