

**Sri Krishna Dutt Academy,  
Vrindavan Yojna, Raibareilly Road,  
Lucknow (U.P.)**  
*(An Associated college of University of Lucknow)*

**Certificate Course for  
Environmental Awareness and Conservation. (Value Added Course)**

**Course Duration-30 Hours**

**Eligibility of Participants**

Regular Students of the College, who is enrolled for a Graduation in any discipline are eligible.

**Course Objectives**

**Awareness :** To acquire an awareness and sensitivity to the total environment.

**Knowledge :** To gain a variety of experiences in and acquire a basic understanding of the environment and its associated problems.

**Skills :** To acquire the skills for identifying and solving environmental problems.

**Participation :** To encourage students to be actively involved at all level in working toward resolution of environmental problems.

**Modes of Course**

This course can be completed in two modes

**Completion**

Awareness Mode:

**Mode:1**

This mode includes class room teaching and field work. The syllabus is divided into five units. The first four units will cover 25 lectures which are class room based to enhance Knowledge skills and attitude to environment. Unit five is based on field activities which will be covered in five lecture hours and would provide students first hand knowledge on various local environmental aspects.

-Introduction to environmental studies.

**Unit:I**

-Multidisciplinary nature of environmental studies.

**Unit:II**

-Scope and importance-Concept of sustainable development.

**Unit-III**

-Ecosystem- Structure and function of ecosystem. Energy flow in an ecosystem. Food Chains, Food webs and ecological studies,

-Natural Resources- Renewable and Non-renewable Resources.

-Environmental Pollution, types causes, effects and controls Air, water, soil and noise pollution etc.

**Unit-IV**

- Solid waste management.

-Control Measures of urban and Industrial waste.

-Pollution cause studies.

-Environmental Policies and Practices.

-Climate change, global warming, ozone layer depletion, Environmental Laws. Environment Protection Act. Air (Prevention and control) Act, water (Prevention and Control of Pollution) Act, wildlife protection act. Disaster Management-Floods, Earthquakes, cyclones and landslides.

-Environmental communication and public awareness, case studies (eg CNG vehicles in Delhi)

**Unit-V**

-Field work

Visit to an area to document environmental assets, river/forest/flora/fauna etc.

Visit to a local polluted site- Urban/Rural/Industrial/Agricultural.