

**Indira Gandhi Academy of Environmental Education,**  
**Research and Eco-Planning**  
**Jiwaji University, Gwalior**  
**Department Profile**

<b>About Department</b>	The Department of Environmental Science was established in 1988 under the Institute of Indira Gandhi Academy of Environmental Education, Research and Eco-Planning. The department is dedicated to environmental education, research, and sustainable development. It focuses on addressing environmental challenges such as pollution, biodiversity loss, climate change, and ecological imbalance through multidisciplinary learning, practical training, and research activities. The program equips students with scientific knowledge and professional skills required for environmental conservation and sustainable resource management.
<b>Contact Information</b>	<ul style="list-style-type: none"> <li>• Contact Person- Dr. Manoj Sharma, Coordinator, Environmental Science</li> <li>• Contact Number - +91-9926294789</li> <li>• Email ID: <a href="mailto:manojdrde@gmail.com">manojdrde@gmail.com</a></li> </ul>
<b>Vision &amp; Mission</b>	<p><b>Vision:</b> To develop environmentally responsible professionals for sustainable development.</p> <p><b>Mission:</b></p> <ul style="list-style-type: none"> <li>• Promote environmental awareness and sustainability</li> <li>• Encourage research and innovation</li> <li>• Develop practical and field-based learning</li> <li>• Contribute to environmental protection</li> </ul>
<b>Specialization</b>	<ul style="list-style-type: none"> <li>• Interdisciplinary curriculum</li> <li>• Practical &amp; field-based training</li> <li>• Research opportunities</li> <li>• Focus on sustainability and innovation</li> </ul>
<b>Programmes Offered</b>	<p><b>M.Sc. Environmental Science</b></p> <p><b>Eligibility Criteria:</b> Graduation in Science with minimum 50% marks</p> <p><b>Duration:</b> 2 years</p> <p><b>Fee Structure:</b></p> <ul style="list-style-type: none"> <li>• I Semester – 10220/-</li> <li>• II Semester – 5900/-</li> <li>• III Semester – 6960/-</li> <li>• IV Semester – 5900/-</li> </ul>
<b>Total Seats</b>	25

<p><b>Infrastructure &amp; Laboratory Facilities</b></p>	<p>The Environmental Science department generally provides modern infrastructure and laboratory facilities to support teaching, research, and practical training in environmental studies. These facilities help students understand environmental problems, pollution control, biodiversity conservation, waste management, and sustainable development.</p> <p>Water and Soil Analysis Equipment</p> <ul style="list-style-type: none"> <li>• pH Meter</li> <li>• Conductivity Meter</li> <li>• Turbidity Meter</li> <li>• Dissolved Oxygen (DO) Meter</li> <li>• BOD Incubator</li> <li>• COD Digester</li> <li>• Spectrophotometer</li> </ul>
<p><b>Industry Exposure &amp; Skill Development</b></p>	<p>Industrial exposure in the Environmental Science Department helps students understand practical environmental management, pollution control, and sustainable industrial practices. It connects theoretical knowledge with real-world environmental challenges.</p> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>• To provide practical knowledge of environmental monitoring and management</li> <li>• To understand industrial pollution and its control methods</li> <li>• To develop technical and professional skills</li> <li>• To learn environmental laws, safety measures, and sustainability practices</li> <li>• To improve research and analytical abilities</li> <li>• Activities for Industrial Exposure</li> </ul> <p><b>1. Industrial Visits</b> Students visit industries and environmental organizations to study:</p> <ul style="list-style-type: none"> <li>• Wastewater treatment plants</li> <li>• Air pollution control systems</li> <li>• Solid waste management units</li> <li>• Recycling industries</li> <li>• Renewable energy plants</li> </ul> <p><b>2. Internships and Training</b> Students receive practical training in:</p> <ul style="list-style-type: none"> <li>• Environmental laboratories</li> <li>• Pollution control boards</li> <li>• Water treatment plants</li> <li>• NGOs and research institutions</li> <li>• Environmental consultancy firms</li> </ul> <p><b>3. Field Surveys and Projects</b></p> <ul style="list-style-type: none"> <li>• Water quality assessment</li> <li>• Soil testing and analysis</li> <li>• Biodiversity surveys</li> <li>• Environmental Impact Assessment (EIA) studies</li> <li>• Waste management projects</li> </ul>
<p><b>Placement</b></p>	<p><b>Major Placement Areas</b></p> <p><b>Government Sector</b></p> <ul style="list-style-type: none"> <li>• Pollution Control Boards</li> <li>• Forest Department</li> <li>• Ministry of Environment</li> <li>• Municipal Corporations</li> <li>• Water Resource Departments</li> </ul>

**Private Companies**

- Environmental consultancy firms
- Waste management companies
- Industries with EHS (Environment, Health & Safety) departments
- Renewable energy companies
- Pharmaceutical and chemical industries
- Research and Academic Institutions
- Universities and research laboratories

