

## **SDG 13 – Climate Action**

### **Environmental Sustainability and Climate Responsibility**

#### **Introduction**

Sustainable Development Goal 13 – Climate Action emphasizes taking urgent and effective measures to combat climate change and its environmental impacts. Educational institutions play a crucial role in promoting environmental awareness, sustainable practices, and climate-responsive policies.

The University is actively committed to achieving SDG 13 through environmental sustainability training, green campus initiatives, environmental audits, community outreach programmes, and awareness campaigns. By integrating sustainability into academics, administration, and campus activities, the institution promotes a climate-conscious and environmentally responsible ecosystem.

#### **Objective of SDG 13**

The primary objective of SDG 13 is to strengthen resilience and adaptive capacity towards climate-related challenges by promoting sustainable practices, environmental protection, and climate awareness. The University supports this goal through education, action-oriented initiatives, and environmental accountability.

#### **Environmental Sustainability Training**

The University conducts mandatory annual environmental sustainability training programmes for faculty members, staff, and students through:

- Orientation Programmes
- National Seminars
- Eminent Lecture Series
- Academic Conferences

- Awareness Workshops

### **Key Focus Areas**

- Environmental Awareness
- Sustainable Development Practices
- Energy Conservation
- Waste Management
- Biodiversity Protection
- Climate Change Mitigation
- Alignment with National and Global SDG Frameworks

These programmes enhance environmental consciousness and encourage responsible environmental behavior among stakeholders.

### **Academic and Knowledge-Based Initiatives**

The University regularly organizes academic activities related to environmental sustainability and climate action.

### **Orientation-cum-Seminar on International Microorganism**

The seminar focused on:

- Role of microorganisms in environmental sustainability
- Waste decomposition and soil health
- Pollution control and ecological balance

### **One Science, Many Dimensions: Exploring Nature, Nurture, and Innovation**

The programme highlighted:

- Sustainable resource utilization
- Energy efficiency
- Green practices and innovation

- Environmental protection through interdisciplinary approaches

### **National Seminar on Recent Trends in Science, Technology and Medical Sciences**

Objectives included:

- Promoting scientific and environmental responsibility
- Encouraging sustainable innovation
- Highlighting the role of science and technology in sustainable development

### **International Conference on Climate Change**

The University organized the **Seventh International Conference** on the theme:

#### **“Climate Change: Mitigation and Environmental Ethics for Human Well-Being”**

The conference focused on:

- Climate change mitigation strategies
- Environmental ethics and sustainability
- Global environmental challenges
- Role of education and society in environmental protection

Experts emphasized the importance of responsible leadership and environmental conservation for sustainable human development.

### **Eminent Lecture Series on Air Quality and Climate Change**

The Department of Environmental Science organized an Eminent Lecture Series featuring environmental experts and academicians.

#### **Key Areas Discussed**

- Air Quality Index (AQI)
- Impact of air pollution and PM2.5
- Greenhouse gases and climate change

- Ozone layer and atmospheric balance
- Environmental policies and sustainability measures

The lectures enhanced scientific understanding and awareness regarding environmental challenges and climate resilience.

### **Green Campus and Environmental Promotional Activities**

The University promotes a green and eco-friendly campus through various environmental initiatives.

#### **Tree Plantation Drives**

Tree plantation programmes are regularly organized within the campus to:

- Increase green cover
- Improve air quality
- Promote biodiversity
- Encourage environmental participation among students and staff

#### **Seed Bank (Guthli Gullak)**

The University established a Seed Bank to:

- Preserve quality seeds
- Promote biodiversity conservation
- Support sustainable plantation activities

#### **Fruit Garden Development**

Fruit gardens have been developed using seeds preserved in the University Seed Bank to encourage ecological sustainability and green campus development.

#### **Poster Making Activities**

Poster-making competitions and awareness activities are organized on occasions such as **World Environment Day** to spread awareness regarding environmental conservation and climate action.

## **Community Outreach and Environmental Awareness**

The University extends its climate action initiatives beyond the campus through community engagement programmes.

### **Environment Protection Programmes**

Environmental awareness programmes are organized in adopted villages to educate communities about:

- Environmental conservation
- Sustainable practices
- Cleanliness and sanitation
- Climate awareness

### **Cleaning Campaigns**

The University conducts:

- Campus Cleaning Campaigns
- Village Cleaning Drives

to promote hygiene, cleanliness, and environmental responsibility.

### **Polythene-Free Campus Campaign**

The institution actively promotes a polythene-free campus environment by encouraging eco-friendly alternatives and reducing plastic usage.

### **Recognition and Awards**

The University has received appreciation and recognition from authorized agencies for its contribution towards:

- Green Campus Development
- Food Forest Plantation

- Environmental Sustainability Initiatives
- Climate Action Programmes

These recognitions reflect the institution's dedication toward environmental protection and sustainable development.

### **Monitoring and Audit Mechanism**

The University regularly conducts:

- Energy Audits
- Environmental Audits
- Green Audits

to monitor resource utilization, energy efficiency, waste management, and environmental sustainability practices. These audit mechanisms help in reducing environmental impact and strengthening climate resilience.

### **Contribution towards SDG 13**

The University contributes significantly towards SDG 13 by:

- Promoting environmental education and awareness
- Organizing sustainability training programmes
- Encouraging green campus initiatives
- Conducting environmental and energy audits
- Implementing climate-responsive policies
- Engaging communities in environmental protection activities
- Supporting biodiversity conservation and waste reduction initiatives

## **Conclusion**

The University remains committed to promoting climate action through sustainable practices, environmental education, green initiatives, and community engagement. By integrating awareness, accountability, and environmental responsibility into institutional practices, the University actively contributes toward achieving **SDG 13 – Climate Action** and building a sustainable future for society and the environment.