

**Report**  
**on**  
**Sustainable Development Goal**



**SDG 12: Responsible Consumption & Production Year 2022**



### **About GMRIT**

GMR Institute of Technology is situated at Rajam, a small industrial town about 100 KMs from the 'city of destiny', Visakhapatnam in Andhra Pradesh. The campus of the institute is spread over a sprawling 117 acres of land. The lush sylvan and idyllic surroundings at the heart of the agricultural belt, offer an ideal setting for higher studies. The institute is affiliated to the Jawaharlal Nehru Technological University, Kakinada and is approved by AICTE New Delhi. The institute has been accredited by National Board of accreditation (NBA) of AICTE and NAAC – 'A' grade of UGC. The institution is also having ISO 9001:2008 Quality Systems.

GMRIT adopts eco-friendly and green initiatives to promote sustainable practices in its lush and verdant campus. A few remarkable efforts include energy conservation, water conservation and waste water recycling. The in-house transportation policy and the extensive research programs are other sustainable initiatives to uphold green values.

The Institute is committed to promote sustainable management practices and efficient use of resources to deliver responsible consumption and production patterns through its operations by implementing sustainable policies and practices. The institute is well aware of its responsibilities in raising awareness and propagate the idea of responsible consumption and production practices in the community in an inclusive and sustainable manner that further

promotes the basic tenets of SDG 12. This will focus on the efficient use of resources and minimising waste. The institute must play their part in ensuring that their consumption is minimised, especially where resources are not renewable.

### **Ethical Sourcing of Materials**

GMRIT is committed to establishing mutually beneficial long-term relationships in order to ensure the quality and safety of supplied food products and other products throughout the entire supply chain, from requirement assessment, product selection, and selection of external supplier agency to timely delivery of products meeting desired quality standards. As per the Ethical Sourcing Policy, the institute is committed to ethically sourcing materials through the purchase department in accordance with the approved purchase manual that are sustainable, meet the expectations of beneficiaries, stakeholders, and regulatory bodies, and meet the required quality specifications without compromising value for money or timely delivery.

### **Efforts to Reduce the Generation of Waste**

Management has incorporated all stakeholders in the organization, including students, administrative and academic personnel, and other workers, in order to accomplish responsible consumption and production. The institute first aim is to reduce waste generation. The institute has given strict guidelines for the generation and disposal of all types of waste, including food, hazardous, paper, electronic, and plastic waste. Apart from that, food waste at the common mess and other outlets were intended to be reduced through socially responsible teaching activities for students and staff. In addition, we display instructive messages in the common mess. In order to prevent waste generation, glass bottles, cups, steel utensils, etc. are used to encourage staff and students towards waste minimization from the source itself. The canteen provides non-disposable items at events and functions and uses materials such as steel glass to reduce the use of plastic.

### **Waste Recycling and Reuse:**

The waste recycling program assures that the organization contributes significantly to environmental conservation and pollution reduction. The Institute strives to keep its campus environmentally friendly. On a daily basis, the institute's waste management contractor records and monitors the amount of waste disposed of and recycled. To handle the waste generated, more than 100 waste containers have been put throughout the campus. The institute separates dry and wet garbage at the source. The dry garbage is recycled by the Municipal Corporation.

The institute has collected and recycled approximately 1100 kg of electronic trash (E-trash). This comprises inorganic garbage such as printer cartridges, metal scraps, desktop computers, fluorescent lighting, and so on. The garbage is recycled by an approved scrap merchant. The management assures the safe disposal of batteries and decontaminated laboratory plastics, as well as providing staff and students with information on disposal routes and processes. Food waste is monitored on a daily basis at the Hostel mess and campus canteen. Every day, around 50 kg of cooked food waste is generated. Food waste is separated into dry and solid waste for further value addition as animal feed. Cooked food waste is diverted to on-site cowsheds and poultry farms. Colour (green, blue) dustbin for different categories of waste is followed to dispose them into designated bins. GMRIT recipient award like AICTE National Level Clean & Smart Campus.

### **Responsible Consumption and Production Initiatives**

The institute is committed to taking activities based on each of its policies. GMRIT takes initiatives to be responsible and to hold people accountable for producing and consuming resources in a sustainable manner. The following actions has been taken by institute.

#### **World Environment Day**

On the occasion of World Environment Day, NSS Unit, GMRIT organized series of events and activities aimed at raising awareness about the harmful effects of plastic pollution. The first day i.e on 31<sup>st</sup> May 2023 we focused on taking a "**Plastic-free Pledge**" to encourage everyone on campus to minimize their use of **single-use plastics**. The day was a great success, with many individuals committing to reducing their plastic footprint.

## Pledge against single use plastic



**NSS UNIT - GMR INSTITUTE OF TECHNOLOGY, RAJAM**

## Awareness Programme on Avoid Single Use Plastic - 01.06.2023



**NSS UNIT - GMR INSTITUTE OF TECHNOLOGY, RAJAM**



## Collecting Used Plastic on the Campus in connection with World Environment Day

To visually demonstrate the amount of plastic waste generated on our campus in a single day, a unique activity was organized on the third day i.e. on 2<sup>nd</sup> June 2023. Students, faculty, and staff were encouraged to collect and deposit their used plastic items at designated collection points throughout the campus. Volunteers, armed with gloves and trash bags, worked tirelessly to gather plastic bottles, food containers, and other discarded plastic products. The collected plastic waste was then weighed and displayed in a prominent location on the campus to create awareness about the sheer volume of plastic generated within our community. The visual impact of the accumulated plastic served as a wake-up call for many and reinforced the need for sustainable alternatives.

### Collection of Single Use Plastic in the Campus - 02.06.2023



### NSS UNIT, GMR INSTITUTE OF TECHNOLOGY, RAJAM

**Reduce Reuse & Recycle Programme in connection with World**

## Environment Day

### Awareness Program on Reduce, Reuse & Recycle of Single Use Plastic - 03.06.2023



### NSS UNIT, GMR INSTITUTE OF TECHNOLOGY, RAJAM

### Training in organic farming and natural farming practices

Farmers need to look at how “sustainable” they are in terms of their own farming operations. Interactive sessions with the local farmers on the following points made the farmers to get know awareness on sustainable farming practices:

- Reduce the use of pesticides
- Application of integrated crop protection methods
- Manure storage and management
- Using water more efficiently in irrigation systems and waste-water recycling
- Greenhouse horticulture
- Precision farming techniques





**Workshop on Farming techniques for farmers**



### **Natural farming training in campus:**

The institute conducted a three-day natural farming training to local farmer to adopt natural farming techniques and increase their agricultural produce and provide a platform to sell their produce at competitive rates to earn maximum benefit.



### **Awareness session conducted for farmers on Mechanization and modern farming practice**

### **Healthy and affordable food choices**

Having a healthy diet has a lot of benefits. It can help lose weight or maintain desired weight. It also can lower cholesterol and prevent certain health conditions. In general, a healthy diet keeps body running on a daily basis. The F&B team of GMRIT ensures that healthy and affordable food choices with balanced diet of whole grains, proteins, dairy, fruits, and vegetables are made available to students. The efforts taken has improved the academic performance of the students. Planning healthy meals in advance help students save time and money. Menus is prepared based on the Nutrition facts labels help to maintain better eating habits and aid in attaining a balanced energy level

### **Awards and Recognitions**

Awarded as Second Most Clean Campus in India in "AICTE Clean Campus