

# **DAYANANDA SAGAR COLLEGE OF ENGINEERING**

(An Autonomous Institute affiliated to VTU, Belagavi-590018, Approved by AICTE & ISO 9001:2015 Certified) Accredited by National Assessment & Accreditation Council (NAAC) with 'A' grade

Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560111.



## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**2024-25**

REPORT ON

### **AICTE Activity Points Program**

*Submitted by*

**Ranjith H**

**USN : 1DS22CS418**

**Semester : 7**

**Batch: 2021-2025**

DAYANANDA SAGAR COLLEGE OF ENGINEERING

Bangalore-560111

Affiliated to Visvesvaraya Technological University Belagavi-590018  
2024-2025

<i>Name and USN of the student</i>	Ranjith H 1DS22CS418
<i>Department, Semester and Section</i>	Computer Science and Engineering 7th Semester “D” section
<i>Entry to program</i>	DCET – Lateral Entry ( 2022 )
<i>Activity points</i>	75
<i>Title(s) of Activity undertaken</i>	1. Reduction in Energy Consumption 2.Platic Ban Awareness Program 3.Waste Segregation Drive 4. Swachh Bharath Activity
<i>Place(s) of Activity</i>	Kadathanamale
<i>Date(s) of Activity</i>	20/10/2024 to 10/11/2024 19/03/2023 to 02/042023 25/08/2024 to 12/09/2024 14/01/2024 to 23/01/2024
<i>No. of weeks/Hours involved</i>	2 weeks/40 hours per activity

*Signature of Proctor :*

*Signature of AICTE Activity Points Coordinator :*

*Signature of HOD :*

# DAYANANDA SAGAR COLLEGE OF ENGINEERING

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Shavige Malleshwara Hills, Kumaraswamy Layout Bengaluru-560111 2024-2025

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



## CERTIFICATE

This is to Certify that report on AICTE ACTIVITY POINT PROGRAMME has been successfully presented by **RANJITH H, USN: 1DS22CS418** a bonafide student of **DAYANANDA SAGAR COLLEGE OF ENGINEERING**, an autonomous institution affiliated to VTU, Belagavi in partial fulfillment for the award of **COMPUTER SCIENCE AND ENGINEERING** during the year **2024-2025**.

Signature of HOD

AICTE Coordinator

# **DECLARATION**

I, RANJITH H, 1DS22CS0418 hereby declare that the entire activity titled AICTE ACTIVITY POINT PROGRAMME embodied in this report has been carried out by. The work embodied in this report is original and it has not been submitted in part or full for any other degree in any University.

NAME : Ranjith H

USN: 1DS22CS418

Signature

Place: DSCE, Bangalore

Date : 15/01/2025

## **VISION OF AICTE:**

The objectives of AICTE student activity is to expose students to real-time life challenges, to provide the opportunity to gather data, analyze data, propose solutions and implement solutions. Also, it paves the way for personal development and creative engineers who are proud volunteers with a sense of achievement and ready to take up projects having a social impact and creating digital awareness. Besides, it helps the students to strengthen their soft skills, leadership qualities and team spirit. Moreover, these activities inculcate entrepreneurial mindset and societal commitment.

## **MISSION OF AICTE:**

The aim is to plan the development of Technical Education to establish value based and need based education and training in engineering and technology with a view to generate qualified and component man power responsive to technological and social needs.

# **ACTIVITY - 1**

## **“Reduction in Energy Consumption”**

The Energy Consumption Awareness Program was organized to educate individuals about sustainable energy practices and the importance of reducing energy usage. This initiative aimed to highlight the environmental and economic benefits of energy conservation while encouraging the community to adopt responsible habits.

The program featured various activities, including expert talks on energy efficiency, practical demonstrations of energy-saving techniques, and interactive workshops. Participants were engaged through group discussions and pledged to adopt energy-efficient practices. Informational materials such as brochures and pamphlets were distributed to reinforce the message.

The program successfully raised awareness among participants, with many expressing their intent to implement the shared energy-saving tips. The interactive sessions fostered a sense of collective responsibility, and the community pledged to take measurable steps towards energy conservation. Feedback highlighted the need for ongoing initiatives and expanded outreach.



The Energy Consumption Awareness Program marked a significant effort towards promoting sustainable practices in the locality. It underscored the importance of collective action in addressing energy challenges. Future programs will focus on deeper engagement, involving schools and local authorities to ensure broader impact and long-term sustainability.

As a follow-up, it is recommended to track the changes in energy consumption patterns within the community over the next few months. Periodic workshops, feedback sessions, and incentivized programs can maintain momentum and ensure lasting impact from this initiative.





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## **CERTIFICATE OF APPRECIATION**

This certificate is proudly presented to

Mr / Ms Ranjith H USN. 10522CS418  
of **Dayananda Sagar College of Engineering, Bengaluru**

for 80 hours of work

and as a token of Appreciation for participating in

**"Reduction in Energy Consumption"**

as a part of Social Work

organized by "Vidvath India Foundation"

from 01.10.2024 to 30.10.2024

in Rural and Zonal limits of Bengaluru District

Empower the Needy - Enrich the Nation

**Rashmi C R**  
Project Manager  
Vidvath India Foundation



**Jagadeesh Gali**  
President  
Vidvath India Foundation



## **ACTIVITY - 2**

### **“Plastic Ban Awareness”**

Plastic waste management emerges as a pressing global issue, necessitating comprehensive strategies. Recycling assumes a central role, diverting plastics from landfills and reducing their environmental impact. Effective waste management hinges on streamlined collection systems, including curbside pickup and specialized recycling facilities. Public awareness initiatives promote responsible consumption and disposal habits, advocating for reduced plastic usage and proper recycling practices. Advancements in recycling technologies, such as chemical and mechanical processes, enhance the viability of plastic reutilization. Cooperation between governments, industries, and communities’ fosters coordinated efforts to tackle plastic pollution.

Moreover, collaborations between governments, businesses, NGOs, and individuals are essential to achieving meaningful progress in combatting plastic pollution. Ultimately, addressing plastic pollution and implementing effective bans requires a multifaceted approach that combines regulatory measures, innovation, education, and international cooperation. By working together to reduce plastic consumption, improve waste management practices, and promote sustainable alternatives, we can mitigate the adverse effects of plastic pollution and safeguard the health of our planet for future generations. Single-use plastics, including items like plastic bags, straws, bottles, utensils, and packaging, have become emblematic of the global plastic pollution crisis. These items are designed for short-term use and are typically discarded after a single use, contributing significantly to environmental degradation. Ultimately, transitioning towards more sustainable alternatives and practices is crucial for addressing the single-use plastic problem and safeguarding the health of ecosystems and communities worldwide. The campaign organizes competitions and contests such as photography contests and essay writing contests. These activities encouraged students to learn more about tourism and its potential benefits.



 **GPS Map Camera**

**Check In**



kadatanamale, Karnataka 562157, India  
Unnamed Road, Rajanukunte, Kadathanamale,  
Karnataka 562157, India  
Lat 13.204136° Long 77.542185°  
19/03/23 12:17 PM GMT +05:30

Engaging in the waste segregation campaign provided me with valuable insights into the diverse challenges and opportunities associated with addressing plastic pollution at the grassroots level. Directly interacting with rural residents allowed me to understand their viewpoints, concerns, and levels of awareness regarding waste management and plastic prohibition. Through interactive dialogues and house-to-house visits, I gained knowledge about the various hurdles to effective waste sorting, such as inadequate infrastructure, knowledge gaps, and cultural norms.

The experience emphasized the importance of local leadership and partnerships in mobilizing communities for collective action against plastic pollution. I recognized the persuasive power of storytelling and real-life illustrations in demonstrating the tangible repercussions of plastic pollution on the environment and human health. The campaign deepened my comprehension of the interrelated nature of environmental issues and the necessity for comprehensive solutions addressing fundamental causes and systemic hurdles. I acquired practical insights into the logistics and coordination required to execute a successful community outreach campaign, from planning routes to managing volunteer teams.

I learned valuable lessons in resilience and adaptability when confronted with unexpected challenges or resistance during the outreach process. The experience highlighted the pivotal role of education and awareness-raising in empowering individuals to become advocates for environmental responsibility within the communities.



# AVISA CHARITABLE TRUST

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This is to certify that



Mr./Ms. Ranjith H (1DS22CS418)  
of Dayananda Sagar College of Engineering.  
has put in duration of 80 hours of work participation  
in "Plastic Ban Awareness" (Spreading Public Awareness  
Under Rural Outreach Programmes) conducted by  
Avisa Charitable Trust from 01.03.2023 to 30.03.2023 in  
Arakere & Singanayakanahalli Grama Panchayat limits of  
Bengaluru District.

**Shashwath Shetty**  
Project Manager  
Avisa Charitable Trust

**Divakar Babu H S**  
President  
Avisa Charitable Trust

## ACTIVITY 3

### **“Waste Segregation drive”**

In our modern society, waste management has become an increasingly pressing issue. With the rapid pace of technological advancement and the ever-growing population, the amount of waste generated continues to escalate, posing significant challenges to our environment and public health. To address this concern, initiatives such as waste segregation drives have emerged, aiming to instill awareness and promote responsible waste disposal practices within communities.

The primary objective of a waste segregation drive is to raise awareness about the importance of segregating waste into different categories, namely dry, wet, and e-waste. This segregation is crucial as it facilitates proper disposal methods, thereby minimizing the negative impacts of improper waste management. By segregating waste at the source, communities can streamline the recycling and disposal process, reducing the burden on landfills and mitigating environmental pollution.

One of the key components of a successful waste segregation drive is education. Community members need to understand why proper waste management is essential and how their actions can contribute to environmental sustainability. Through various outreach programs, workshops, and informational campaigns, participants are informed about the detrimental effects of improper waste disposal practices. They learn about the harmful consequences of e-waste, which contains toxic substances such as lead, mercury, and cadmium, posing significant risks to both human health and the environment if not handled properly.

Furthermore, the drive aims to promote sustainable habits that extend beyond the duration of the campaign. By fostering a sense of responsibility and environmental stewardship, participants are encouraged to incorporate waste segregation into their daily routines. This long-term commitment is essential for sustaining the impact of the campaign and ensuring ongoing progress towards a cleaner, healthier environment.





Throughout the waste segregation drive, I acquired numerous insights and experiences that profoundly enriched my understanding of waste management and environmental conservation. Initially, I grasped the fundamental importance of segregating waste into different categories, recognizing its pivotal role in reducing environmental pollution and preserving valuable resources. Engaging in hands-on activities like sorting workshops and community clean-ups provided me with practical skills in waste segregation and underscored the complexities of waste management. Moreover, I gained a deeper understanding of the adverse effects of improper waste disposal, particularly the hazards posed by e-waste to both human health and the environment. This knowledge underscored the significance of responsible behavior and highlighted the pivotal role that individuals play in mitigating these risks through proper waste management practices.



Collaborating with community members, local authorities, and stakeholders offered me valuable insights into the importance of collective action and partnership in addressing environmental challenges. I witnessed firsthand the impact of grassroots initiatives in driving positive change and fostering a shared sense of responsibility for our environment. Additionally, organizing and executing environmental campaigns provided me with practical experience in project management, communication, and leadership. Through engaging with diverse audiences and mobilizing community support, I honed my skills and developed a deeper appreciation for the power of community-driven initiatives.

Above all, the waste segregation drive was a transformative experience that instilled in me a heightened sense of environmental consciousness and a commitment to sustainable living. I emerged from the campaign with a renewed dedication to advocating for responsible waste management practices and contributing to a cleaner, healthier planet for present and future.

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for 80 hours of work

and as a token of Appreciation for participating in

**“Waste Segregation Drive”**

**“Developing and Managing Efficient Garbage Disposal System”**

as a part of Social Work

organized by “Vidvath India Foundation”

from 01.08.2024 to 31.08.2024

in Rural and Zonal limits of Bengaluru District

*Empower the Needy - Enrich the Nation*

**Rashmi C R**  
Project Manager  
Vidvath India Foundation



**Jagadeesh Gali**  
President  
Vidvath India Foundation

## **“Swachh Bharath Activity”**

SWACHH Bharat Abhiyan, commonly known as the Clean India Mission, is a nationwide initiative launched by the Indian government under Prime Minister Narendra Modi's leadership on October 2, 2014. The primary objective of this campaign is to tackle sanitation and hygiene issues throughout the country, with the ambitious aim of achieving a clean and open defecation-free India by October 2, 2019, marking the 150th birth anniversary of Mahatma Gandhi. The campaign focuses on various aspects such as promoting toilet construction and usage, managing solid waste effectively, instigating behavioral changes to embrace cleanliness, enhancing sanitation infrastructure, and raising awareness and involvement among individuals and communities.

The SWACHH Bharat Abhiyan plays a pivotal role in instilling a sense of responsibility among citizens towards cleanliness and hygiene. Often, individuals tend to focus more on their rights rather than their duties within society. This skewed perspective can lead to a disregard for cleanliness, with many assuming that it's solely the responsibility of government bodies to maintain hygiene standards. Consequently, littering and improper waste disposal become rampant as people neglect their duty to keep their surroundings clean. However, the importance of cleanliness cannot be overstated. It is not merely a matter of aesthetics but also of public health, environmental preservation, and overall well-being.



Our team decided to conduct survey about waste management by meeting the people whose home resided along the Myadarahalli. The survey also included imparting awareness of implementation of waste segregation and Sanitary Hygiene and methods of disposal. We surveyed and participated total of 200 houses. The surveyed homes and shops are attached below for reference. Our team decided to conduct survey about waste management by meeting the people whose home resided along the Myadarahalli road. The survey also included imparting awareness of implementation of pipe composting setup and Sanitary Hygiene and methods of disposal. we surveyed a total of 48 houses.

I learned the importance of perseverance and resilience in overcoming obstacles and setbacks encountered during the campaign. Participating in cleanliness drives gave me a sense of fulfillment and satisfaction in making a tangible difference in my community. I gained a deeper appreciation for the importance of public spaces and the need to protect and maintain them for future generations. The campaign provided opportunities for personal growth and self-reflection

as I challenged myself to step out of my comfort zone and embrace new experiences. I learned to appreciate the diversity of perspectives and approaches to promoting cleanliness, recognizing that there is no one-size-fits-all solution.





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“**Swachh Bharat Activity**” (Contribution to any National  
Level Initiatives of Government of India”Swachh Bharat,  
Skill India, Digital India, Go Green India etc..)  
as a part of Social Work  
organized by “Vidvath India Foundation”

from 01.01.24 to 31.01.24  
in Rural and Zonal limits of Bengaluru District

**Rashmi C R**  
Project Manager  
Vidvath India Foundation



**Jagadeesh Gali**  
President  
Vidvath India Foundation



