

**M S RAMAIAH COLLEGE OF COLLEGE OF ARTS, SCIENCE AND
COMMERCE- Autonomous
MSRIT Post, MSR Nagar, Bengaluru – 560054.**

Sustainability Report
on
CLIMATE ACTION INITIATIVES

Sustainability Report on Climate Action Initiatives by M S Ramaiah college of Arts, Science and Commerce, Bengaluru – 560054.

Climate change is one of the most pressing challenges facing humanity today. Its impacts are felt globally, from rising sea levels to extreme weather events. In recognition of the urgency to address this issue, M S Ramaiah college of Arts, Science and Commerce (MSRCASC) has been actively engaged in various climate action initiatives. This report highlights the actions taken by the college in its commitment to mitigating climate change and promoting sustainability.

Objective:

The main objectives of the climate action initiatives at MSRCASC are:

- To reduce the college's carbon footprint.
- To promote awareness about climate change among students, faculty, and staff.
- To contribute positively to the environment through sustainable practices.

Key Climate Action Initiatives:

1. Energy Conservation and Efficiency:

- ✓ **Solar Power Installation:** As part of the commitment to reducing its reliance on non-renewable energy sources, MSRCASC has installed solar panels on campus buildings. This initiative has helped the college cut down on electricity consumption from the grid and reduce its overall carbon emissions.
- ✓ **LED Lighting:** The College has replaced traditional lighting with energy-efficient LED bulbs across its campus, reducing energy consumption and contributing to cost savings.



Solar panels installed on the building



LED bulbs and tubes in the corridor

2. Waste Management and Reduction:

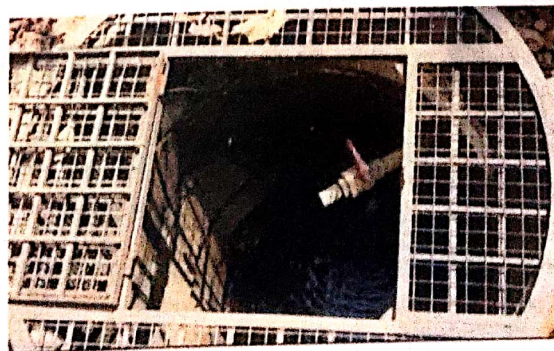
- ✓ **Segregation of Waste:** The College has introduced a waste segregation system, ensuring that recyclable, biodegradable, and non-recyclable waste is properly sorted. This initiative has helped reduce the amount of waste sent to landfills.
- ✓ **Zero-Waste Campaign:** Through workshops and awareness campaigns, the college has encouraged students and staff to adopt a zero-waste mindset. This includes reducing single-use plastics, ban on plastics, composting organic waste, and using reusable containers.
- ✓ **E-Waste Management:** The college has organized collection drives for old electronics, ensuring responsible recycling of electronic waste and reducing the environmental impact of improper disposal.
- ✓ **Vermicompost:** At our Institution, the organic wastes are converted into reusable compost by vermicompost procedure.
- ✓ **Sewage treatment plant:** The liquid wastes are treated at Institutional sewage treatment plant and reused for non-portable purposes.



Vermicompost pit

3. Water Conservation Efforts:

- ✓ **Rainwater Harvesting System:** The College has implemented a rainwater harvesting system to collect rainwater and use it for irrigation and non-potable purposes, reducing dependency on municipal water supplies.
- ✓ **Sewage Treatment Plant:** Efficiently treats wastewater from campus facilities, ensuring environmental safety and compliance with health standards. It helps in reducing water pollution and promotes sustainability by recycling treated water for non-potable uses such as gardening and in toilets.



Rain harvest system



Sewage treatment Plant

4. Green Spaces and Biodiversity:

- ✓ **Tree Plantation Drives:** The College regularly organizes tree plantation events on campus to increase the green cover and contribute to reducing carbon dioxide levels. In addition to providing shade, the trees help improve the air quality.
- ✓ **Campus Gardens:** Several eco-friendly gardens have been developed in and around the campus to encourage students to participate in sustainable gardening practices. These spaces are used for educational purposes and help promote biodiversity.

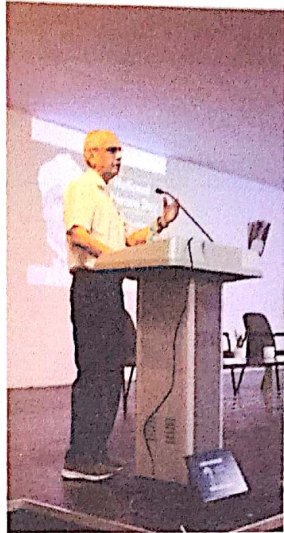


Campus garden

5. Sustainability Education and Advocacy:

- ✓ **Awareness Campaigns:** Regular seminars, workshops, and guest lectures are held to raise awareness about climate change, sustainability, and environmental protection. These initiatives engage both students and faculty in discussions about the importance of climate action.
- ✓ **Sustainability Clubs:** The college has formed a sustainability club that organizes events such as climate change awareness rallies, eco-friendly product fairs, and film screenings on environmental issues.

- ✓ **Student Involvement in Research:** Students are encouraged to take part in climate research projects and collaborate with faculty members on sustainability-focused initiatives.



Lecture on 'Climate change' by Prof. Jayaraman Srinivasan, IISc, Bengaluru, on National Science day

6. Transportation and Carbon Emissions Reduction:

- ✓ **Promotion of Green Transportation:** The College encourages students and faculty to use bicycles, electric vehicles, or carpooling to reduce the environmental impact of commuting. Dedicated bicycle lanes have been established on campus.
- ✓ **No Vehicle day:** First Saturday of every month is considered as No vehicle day promoting the use of public transport over private vehicles.



No vehicle day observed on 1st Saturday of November 2024

MSRCASC has demonstrated its dedication to combating climate change through a comprehensive and multi-faceted approach. By implementing energy-saving measures, promoting waste reduction, conserving water, and encouraging sustainable practices, the college has made a substantial contribution to environmental preservation. Moving forward, it is crucial that the college continues to expand its efforts, both on campus and in the broader community, to build a more sustainable and climate-resilient future.

The active participation of students, faculty, and staff in these initiatives reflects a growing commitment to environmental stewardship and a shared responsibility to take meaningful action against climate change.

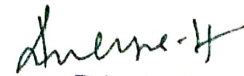

Principal
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04.01.2025

CIRCULAR

As a part of green environment, considering the ill-effects of plastic on health and environment, it was decided to enforce a ban on the use of plastic at the college campus with effect from 12.01.2016.

Therefore, It has been directed all the staff members and the students to avoid using plastic materials. Starting with the elimination of plastic cups and polythene covers and to avoid using the non-biodegradable material even in mass events like graduation and annual days and also during the visits of higher officials.



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02.01.2025

CIRCULAR

Reminder for the observation of *NO VEHICLE DAY* on the first Saturday (04.01.2025).

All the teaching, nonteaching staff members and students are hereby requested to use public transportation to mark the day.


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05.12.2024

CIRCULAR

This is a gentle reminder for the observation of NO VEHICLE DAY on the first Saturday (07.12.2024).

All the teaching, nonteaching staff members and students are hereby informed to use bicycles or any other public transportation to mark the Day.



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