

**WOMEN
mech**
Mauritius

In collaboration
with



INFO PACK

TECH FOR ECOLOGY



Grade 7, 8 & 9
or equivalent

Open to Girls Only

REGISTRATION DEADLINE:
30 APRIL 2025



Scan to Register

FIRST PRIZE

Rs 15,000
Trophy

SECOND PRIZE

Rs 10,000
Trophy

THIRD PRIZE

Rs 5,000
Trophy

Introduction

Women in Tech Mauritius, part of the global Women in Tech® movement, is committed to closing the gender gap and empowering girls and women in technology.

In collaboration with the Rajiv Gandhi Science Centre, we are launching the first edition of **Tech for Ecology**.

The **Tech For Ecology** is a project-based competition where students use technology to tackle real-world ecological challenge(s) that they face at school, at home or in the community.

The Tech For Ecology competition aims to create awareness, inspire and engage young girls in the field of science and technology.

Objectives

- **Create Awareness & Inspire** – Encourage college girls to develop innovative solutions that address ecological and digital sustainability challenges.
- **Promote Innovation** – Foster creativity, teamwork, and environmental consciousness by exploring the intersection of technology and ecology.
- **Develop Key STEM Skills** – Strengthen presentation, critical thinking, and problem-solving skills through hands-on participation.

Who can participate?

The competition is open to girls of Grades 7, 8, and 9 or equivalent from all secondary schools in the Republic of Mauritius. Participants can participate individually or in a team of four (4) students' maximum under the guidance of one educator/mentor/parent/relative. Participants can register in the name of their school/club/organisation/group/family.

There is no limit on the number of entries from a school/club/organisation however a student can be part of only one project.

All participants/teams will be required to attend a workshop at the Rajiv Gandhi Science Centre.

Topics

Participants must identify and solve an ecological issue within their school, home, or community using technology-driven solutions.

Participants will design a prototype (using any available platform, for example: Canva, Figma, Justinmind, MS PowerPoint etc.) that addresses sustainability concerns in a practical and imaginative way. Possible projects include:

- A simple app promoting eco-friendly habits
- An informative digital campaign
- A prototype solution for environmental conservation

The focus is on using technology to create real impact—either by raising awareness or providing actionable solutions.

Note: Students are not expected to develop an app or website.

Students are required to:

- Attend workshops at the Rajiv Gandhi Science Centre
- Submit a Project Report (max 10 A4 pages including references), detailing the project concept, including objectives, ecological impact, design, implementation plan, and future development possibilities.
- Submit a short Video (up to 3 minutes) including a project summary highlighting its core idea, target audience, ecological impact, and innovation.
- Submit a working prototype demonstrating key features and user flow.

Assessment Criteria

The projects will be assessed based on the following criteria:

- Innovation & Creativity (25%) – Originality and uniqueness of the idea.
- Ecological Impact (25%) – Effectiveness in addressing environmental challenges.
- Feasibility & Technical Execution (25%) – Practicality and soundness of the proposed solution.
- Presentation Quality (25%) – Clarity, persuasiveness, and overall quality of the submitted materials.

How to Participate

STEP 1: Registration

Interested teams of **four students** have to register online at:
<https://forms.gle/FcECFbFbc7epoeEaA>
Website: rgsc.govmu.org

Deadline for Registration: 30 April 2025 at 15:00

STEP 2: Workshops

Registered teams are required to attend workshops at the Rajiv Gandhi Science Centre. The date and time of the workshops will be communicated at a later stage.

STEP 3: Work on Project

Students should work on project report and deliverables as outlined in the Deliverables section.

Guidelines to write the project report:

The project report should not be more than 10 pages. It should contain the following sections:

1. Introduction (About 1 page): Briefly introduce the project.
2. Problem Statement (About half a page): Describe the problem being faced, who is impacted by the problem/challenge
3. Aim and objectives of the project (About half a page): Define the aims, objectives, and reasons for undertaking the project.
4. Proposed Solution (About 2 pages): Detail the proposed solutions, describe the step-by-step approach, who will benefit from this project and how it will create value for them?

5. Prototype (About 2 pages): An outline of the technologies and tools used, and how the project can realistically be developed and implemented. Describe your prototype by illustrating with snapshots/screenshots..
6. Expected outcomes (About 1 page): Describe how the project will positively impact the environment or contribute to sustainability.
7. Conclusion (About 1 page): Summarize the project's impact, challenges faced, and suggestions for improvement.
8. References (About 1 page): List consulted articles, books, magazines, and websites.
9. Acknowledgement (about half a page): Recognize people who contributed to project success.

Guidelines for Video Presentation

1. Present in either English or French.
2. Keep the video presentation within a 3-minute time limit.
3. Provide a clear and logically structured description of the project.
4. Use visual aids effectively.
5. RGSC or Women in Tech Mauritius will not provide computers for presentations.
6. Any other support that enhances the presentation quality is allowed.

Important dates

- 30 April 2025: Deadline for online Registration
- 10 April 2025: Workshop at the Rajiv Gandhi Science Centre
- 16 May 2025: Follow-up Workshop, Online
- 30 May 2025: Deadline for Submission
- 04 June 2025: Announcement of short-listed teams
- 09 June 2025: Finals and Prize-Giving ceremony

Address for Correspondence

Director

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