



G.NARAYANAMMA INSTITUTE OF
TECHNOLOGY & SCIENCE (FOR WOMEN)

MR/CIR/09

CIRCULAR

DEPARTMENT: PRINCIPAL' S OFFICE

To

1. All HoDs
2. I-Cell Coordinators of all Departments
3. R & D Coordinators of all Departments
4. B.Tech and M.Tech Class groups

Date: 12/05/2022

CIRCULAR

This is to inform all the students of B.Tech and M.Tech, that the Telangana State Innovation Cell (TSIC), ITE & C Department, Government of Telangana, in collaboration with WaterAid are jointly conducting the “**Innovate 4 Menstrual Waste Hackathon – 2022**” (State level competition) on 27th or 28th May 2022 in this regards on 24th May 2022 at our institution there is a preliminary round is going to be conducted and best three innovations will be selected for State level competition. So, students whoever interested can take part in the above mentioned event and can register their names in the following google link on or before 18th May 2022.

Registration Link : shorturl.at/nHY78

(or)

<https://docs.google.com/forms/d/1aZnU0YRoqb2VSP49oJhfrGC4LTBWK4f6MTv4VYHZ0C8/edit>

Note: There is no Registration Fee

Website Link: <https://teamtsic.telangana.gov.in/innovate-4-menstrual-waste-hackathon-2022/>

For more details about the hackathon please visit - [Innovate 4 Menstrual Waste Hackathon – 2022](#).

Event Coordinators:

1. **Dr. K. Syamala Devi**, Assoc. Prof., BS Department
2. **B. Rakesh Goud**, Asst. Prof., BS Department


PRINCIPAL

Innovate 4 Menstrual Waste Hackathon – 2022

About the Hackathon

The Innovate 4 Menstrual Waste Hackathon – 2022 is jointly organized by WaterAid and the Telangana State Innovation Cell, ITE&C Department, Government of Telangana, India. The Hackathon aims to find solutions for treatment and disposal of used menstrual absorbents in a manner that is safe for the users (girls and women), environment friendly and can be up-scaled within current waste management systems and processes. This hackathon will aim at finding answers to challenges of menstrual waste management at household level, community level (village/ habitation/ basthi etc.) and at institution level (schools, Anganwadi Centers, healthcare facilities etc.). Apart from innovative technologies to address the issue, the hackathon looks forward to finding end to end solutions for menstrual waste management in both urban and rural contexts.

Aim of the Hackathon

The hackathon aims to find solutions for treatment and disposal of used menstrual absorbents in a manner that is safe for the users (girls and women), environment friendly and can be up-scaled within current waste management systems and processes. This hackathon will aim at finding answers to challenges of menstrual waste management at household level, community level (village/ habitation/ basthi etc.) and at institution level (schools, Anganwadi Centers, healthcare facilities etc.). Apart from innovative technologies to address the issue, the hackathon looks forward to finding end to end solutions for menstrual waste management in both urban and rural contexts.

Problem Statements:

1. Safe management of menstrual waste is critical for adolescent health and hygiene. When girls lack proper disposal facilities, they may use pads for a longer duration which increases risk for infection. Poor management of menstrual waste (e.g. open dumping, burning etc.) also results in environment pollution. Most sanitary pad varieties used are made of cellulose, super absorbent polymers (SAP), plastic covering and

adhesives/glues. Many of these components do not decompose easily and remain in the environment. When sanitary pads are burned in low temperatures, they release toxic chemicals that are harmful for health.

Themes: All the participants are allowed to choose any one the below categories:

1. **Category 1:** Technology solutions that promote efficient and environmentally safe solutions for menstrual waste (preference for non-burn/non-incinerator solutions)
2. **Category 2:** Product solutions (alternative menstrual products that reduce volume of waste)
3. **Category 3:** Systems and processes for safe and effective menstrual waste management.
 1. Safe disposal and waste segregation at source /user level (household, institutional, worksites, public toilets, etc.)
 2. Safe collection, segregation and transportation of menstrual waste for final treatment by waste collectors/sanitation workers, and through gram panchayat, urban local bodies.

Note: Information, education and communication, or behavior change communication should be an essential component of any solution to support the uptake of the technology, product and/or process solutions.

Instructions to Participate Hackathon:

1. You can join as an individual or as a team with a minimum of 1 and a maximum of 3.
2. Participation in the Hackathon is free for all.

For more details about the hackathon please visit - Innovate 4 Menstrual Waste Hackathon – 2022. website: <https://teamtsic.telangana.gov.in/innovate-4-menstrual-waste-hackathon-2022/>
