Technical Event Report

1. Event Overview

Event Name: **Meshmerize**

Date of Event: 8 November 2025

Venue: VLTC- 2nd Floor

Organized by: The **Robotics Club**

In Association With: Technical Societies of MNIT and Techfest IIT Bombay

Coordinator: Roshan Nama (2023UME1768)

2. Introduction

Meshmerize was a premier autonomous robotics competition of Techfest, IIT Bombay, conducted during Sphinx 2025. The event served as an official zonal round of Techfest, IIT Bombay.

Teams from various schools, institutes, and universities across India participated in the competition, showcasing their innovation, technical expertise, and problem-solving skills in robotics.

Event Theme:

To design and build an autonomous robot that can accurately follow a predefined path marked on the arena, and complete the path in the shortest possible time without human intervention.

Objective:

The objective of Meshmerize was to enhance students' understanding of autonomous robotics by motivating them to develop robots capable of navigating complex paths without human intervention

Target Audience:

The target audience included all who are interested in technology, innovation, and robotics applications.

3. Event Highlights

Description:

The event commenced at **10:00 AM** in **L206 in VLTC- 2nd Floor.** The judging panel comprised of faculty advisors and coordinator.

Upon entering the arena, the robots were first inspected to ensure eligibility and compliance with the competition guidelines. After successful verification, teams were briefed once again on the rules and regulations of the competition.

Then the dry round starts so the bot explores the maze, keeps track of directions, and signals upon reaching the endpoint. Following the dry round, actual run starts. During the actual run, the robot restarts from the beginning and uses the stored path data to reach the endpoint through the shortest possible route.

Live evaluation was conducted throughout the event, and points were awarded based on the teams' performance in accordance with the competition rules set by Techfest IIT Bombay.

Activities:

The event consisted of various activities such as:

• Robots Inspection

• Dry Run and Actual Run

• Live Judging and Evaluation

Participation:

Approximately 11 teams participated in the event, with an audience strength of over 70 students.

6. Sponsorship

Sponsorship: None

7. Feedback and Suggestions

Participants' Feedback:

Participants expressed positive feedback regarding the structure and organization of the event. They appreciated the opportunity to showcase their technical skills in a competitive yet collaborative environment.

8. Good Quality Photos/Videos

High-quality photographs and videos capturing the technical activities and participant engagement, documented for future reference and promotional use.