

Thursday 26th July 2022 Assesment Sheet.

Group 5: Vision-based Navigation of a Mobile Robot.

1. What's New ?

i. Components.

- Camera
- Raspberry Pi Controller
- Robot's chassis – Printed
- Power Distribution Circuit
- MPU 6050 – Accelerometer and Gyroscope

ii. Concepts

- Teleoperation
- Driveability – (Mecanum wheels)
- Image processing capabilities
- Deep-learning for computer vision.
- Lane keeping

2. Expected Outcomes.

- Teleoperation. →
- Obstacle detection and avoidance. →
- Train a model for lane keeping operation. →

Implemented

Dr. Kagiri.



25 Jul 2022

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