*Thursday 26th July 2022 Assesment Sheet.*

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

1. What’s New ?

* 1. **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. → ***Implemented***
* Obstacle detection and avoidance. →
* Train a model for lane keeping operation. →

***Dr. Kagiri.***

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