

School of Mechanical Engineering

MEE4099 Capstone Project - Project Proposal Form

Project ID : 21BTECH10424

Project Title : RE-SIZEABLE AUTONOMOUS CLEANING ROBOT

Project Type : Internal

Project Stream : ROB - Sensors and Robotics

Internal Guide : 17070 - CHINMAYA SAHU

External Guide:

Students Name : 18BME0668 - SAHIL T CHAUDHARY

18BME0691 - KAHAAN PATEL

18BME0640 - MEHUL CHAURASIA

Project Abstract : Design an autonomous floor-cleaning robot that sweeps and vacuums. The robot

can change its size by increasing its length so as to increase the swept area in open spaces and hence reduce the time required to clean. The robot can also be

integrated with Augmented Reality via a camera.