

Title: Floor Cleaning

Team Details:

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Community Partner: workers of PGR Lake View Towers

Abstract:

Workers are facing some health problems like respiratory diseases, dermatologic(skin) diseases and musculoskeletal (back pain) disorders while they are cleaning the floor and not capable to afford the money for machines. we are interested to solve this issue by providing some low-cost alternative machine and reduce human effort. Focusing on the design of Floor Cleaning Machine, this project investigates machines available to cleaners and looks at the design of a modern, performance option aiming to design the product. The design process is worked through and finite element analysis begun, along with a look into manufacturing options for both workshop and commercial production.

Photos:

