

Title: Design of Manhole Cover for Prevention of Water Logged Area

Salient Features:

- Major waterlogging issues in urban area during monsoon.
- Preventing water logging in urban areas through manual practices of manholes.
- Automatic prevention of water-logging by prototype design of manhole.
- Optimal drainage patterns, selecting high-strength yet lightweight materials, and implementing secure locking systems, these covers can enhance functionality and safety
- This project is at primary level prototyping have scope of improvement and Updation.



Title: Solar-Powered Water Pump System

Salient Features:

- Project demonstrates the design and implementation of a miniature solar-powered water pump system, utilizing solar energy to power a small DC water pump for water circulation
- The system is driven by a solar panel that converts sunlight into electrical energy.
- This electrical energy powers the pump to draw and move water from a reservoir.
- The project showcases the potential of renewable energy for eco-friendly water pumping applications, such as irrigation, water fountains and use in remote areas with limited electricity access.

