



University of Mosul
College of Engineering
Mechatronics Engineering Department



Bachelor's Final Project

Detection Of Moving Object Using Camera Mounted With a Robot Arm

Submitted By:

Dalia Nabeel

Dena Khalid

Laith Saad

Supervised by:

Dr. Muhamad Azhar Abdilatif Al-Obaidy

2022-2023



University of Mosul

College Of Engineering

Mechatronics Engineering Department

Search title:

Design and development of a model of a solar
powered car

A project submitted as part of the Bachelor's degree

Submitted by:

Hasan Ali Hazem

Mahdi Hasan Ali

Mohammad Ez-Aldeen Eleias

Under the supervision of Dr.

Rafid Ahmed Khalil



University of Mosul
College of Engineering
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Bachelor's Final Project

UTU

SOLAR PANEL CLEANING ROBOT

Students:

**Sufyan Muhammed
Thanoon Laheb
Hassan Ma'ad**

Supervised by:

Dr. Omar Waleed Maarroof

January 2023

Republic of Iraq

Ministry of Higher Education and Scientific
Research

University of Mosul

Mechatronics Engineering Department



Building a system for liquid filling using PLC

BY:

Mohammad Faiz

Abdullrhman Mohammad

Mohammad Mohund

Supervised by:

Dr. Myasar Salme

2023

1444



University of Mosul
College of Engineering
Mechatronics Department



Solar Water Heater with Tracker

Project Supervisors

Dr. Loay Aldabbagh

&

Dr. Ali Alkurukchi

Team Member

Ghayth Abdullah Mahmood

Mariam Munthir Abd

Ibrahim Mohsin Hameed

2022/2023



University of Mosul
Collage of Engineering
Mechatronics Engineering Department



Final project
Rainfall insturment design
4th stage
(2023-2022)

Supervised by:

Dr. Laith Mohammed Jassim
Dr. Ali A. Abdallah Alkurkchi

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Golyan Fikry Basheer
Abu bakir Emad
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19thJan.2023