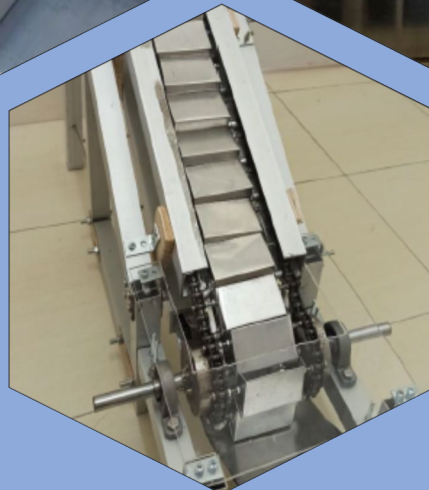
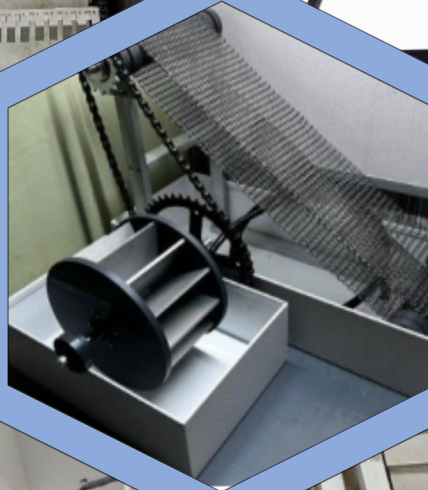


# PROTOTYPE DESIGN COLLECTION

## SERIES 1



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## CHAPTER 91

### **Design, Analysis and Fabrication of Remote-Controlled Mop**

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#### **PROJECT DESCRIPTION**

There are a lot of tools for cleaning homes such as mop. In this project, the chosen tool to have a modification is a mop. A mop is a clump of coarse strings, yarn, or other absorbent material, such as a piece of fabric, sponge, or other absorbent material. It is used to absorb liquid, clean floors and other surfaces, mop up dust, and do other cleaning tasks. This mop is a useful tool. However, this project is to upgrade the function of the mop that is the mop with a controller. The objective of this project is to design a mop with a controller and to analyse and fabricate the mop with a controller. Even though there are already existing products that use a controller, this mop is much more affordable than the other. The expected result of this mop will show a great result and a very good outcome.

**Keywords:** *Modification Mop, Controller, Design, Fabricate*

#### **PROTOTYPE**



**DESIGN PARAMETER**

FAKULTI KEJURUTERAAN MEKANIKAL (FKM) UNIVERSITY TEKNOLOGY MARA (UITM) JOHOR KAMPUS PASIR GUDANG			
Course Name	MEC300 - FINAL YEAR PROJECT 2 SESSION: OCTOBER 2021 - MARCH 2022		
Group	J4EM110 5K		
Approved	Checked	Drawn Nugman ABB Bin Masulur 12 February 2022	
Drawing Title	Assembly of Remote-controlled Mop		
Part Name	-		
Part No.	-		
Rev. Scale	0 1:3	Projection	Weight Sheet
			3.25KG 1 of 2

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	outer box	300mm x 230mm x 130mm	1
2	inner box	290mm x 230mm x 130mm	1
3	tee	D22	1
4	pipe	D20 x 130mm	2
5	end	-	2
6	tyre holder	-	2
7	tyre motor	-	2
8	tyre	D70	4
9	mop	300mm x 60mm 15mm	1

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Group	J4EM110 5K		
Approved	Checked	Drawn Nugman ABB Bin Masulur 12 February 2022	
Drawing Title	Exploded Assembly of Remote-controlled Mop		
Part Name	-		
Part No.	-		
Rev. Scale	0 1:4	Projection	Weight Sheet
			3.25KG 2 of 2