DESIGN AND FABRICATION OF EARTHWORM VIBRATOR BAIT

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Contents of Presentation

ABSTRACT

The abstract provides a concise summary of your project, including its objectives, methods, key results, and conclusions. A suggested structure could be:

1. Introduction to the Problem: Briefly describe the need for effective baiting techniques.

2. Objective: State the primary aim of the project (e.g., to design and fabricate a device that simulates vibrations mimicking earthworm movements to attract fish).

3. Methodology: Outline the main steps (design, fabrication, and testing of the vibrator).

4. Results/Conclusion: Summarize any key findings or the expected impact of your device.

PROBLEM IDENTIFICATION

In this section, discuss the challenges or gaps in the current baiting methods:

1. Limitations of Traditional Baits: Dependency on natural baits like live worms or artificial lures.

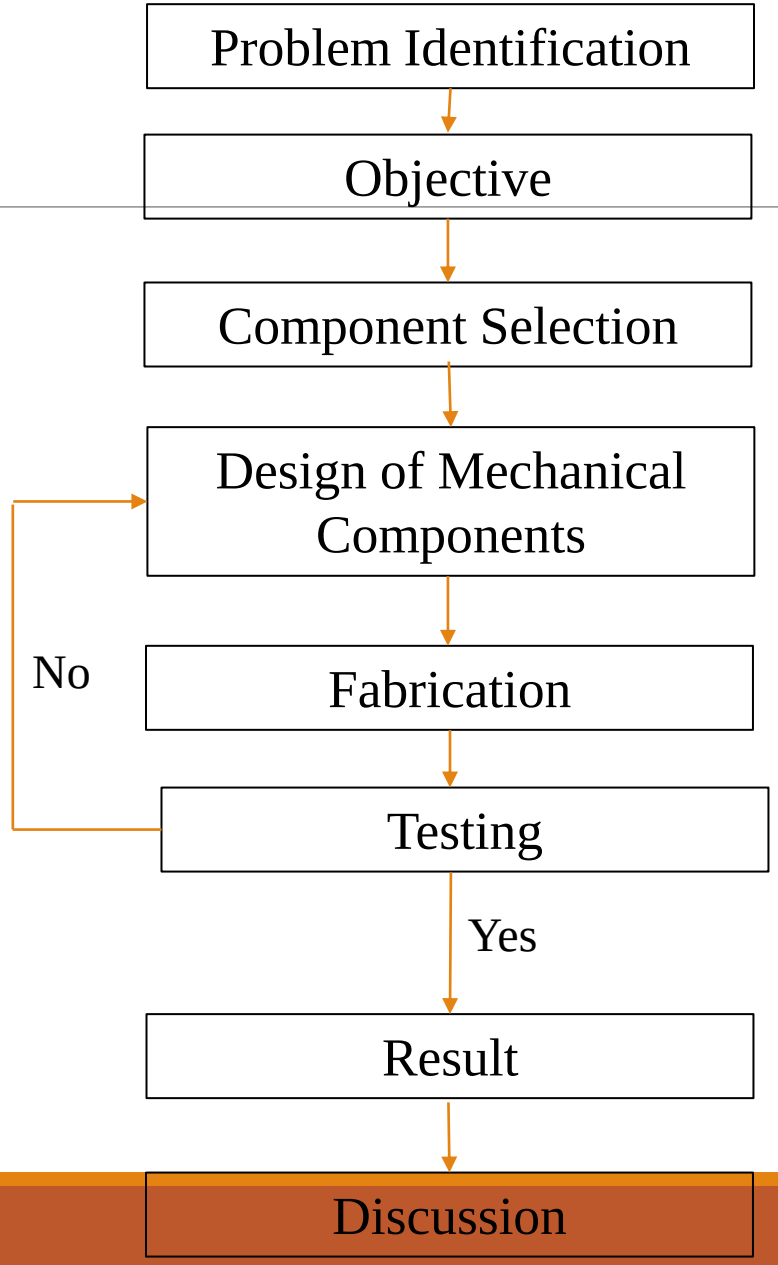
2. Need for Innovation: Addressing cost, efficiency, and sustainability concerns

OBJECTIVE

Clearly define the goals of the project. For example:

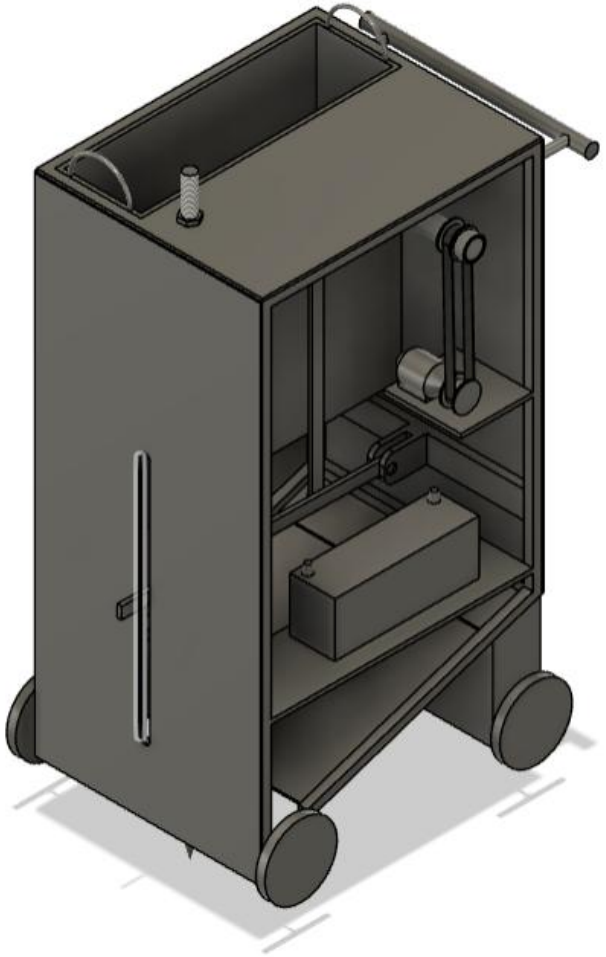
- To design a low-cost, efficient earthworm vibrator bait.
- To simulate earthworm-like vibrations to enhance fish attraction.
- To test and validate the effectiveness of the fabricated device in real-world conditions.

METHODOLOGY



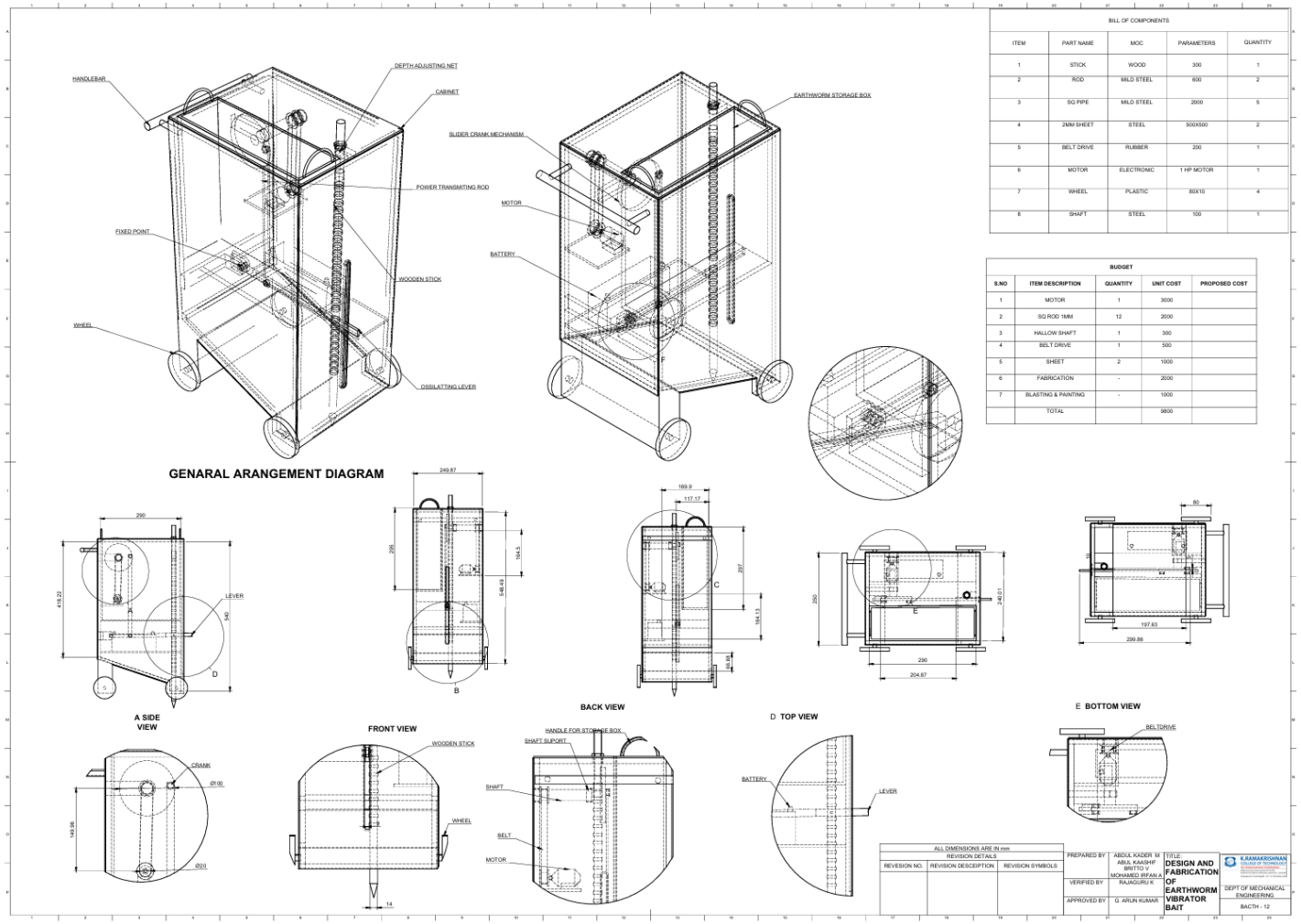
Budget

SL No	Items	Quantity	Unit Cost (Rs)	Estimated Cost (Rs)
1	Motor	1(Nos)	2000	2000
2	Outer Sheet	4(Nos)	250	1000
3	Tray	1(Nos)	200	800
4	Wooden pit rod	1 (Nos)	2500	2500
5	Battery	4(Nos)	100	2000
6	Steel rod	1 Kg	200	200
7	wheels	1(Nos)	120	120
8	Conveyor Belt	2 (Nos)	500	1000
9	Bolt,Nuts	30 (Nos)	300	300
10	Fabrication cost	-	1000	1000
			TOTAL	**11,000**



Design

General Arrangement Diagram



BILL OF COMPONENTS

ITEM	PART NAME	MOC	PARAMETERS	QUANTITY
1	STICK	WOOD	300	1
2	ROD	MILD STEEL	600	2
3	SQ PIPE	MILD STEEL	2000	5
4	2MM SHEET	STEEL	500X500	2
5	BELT DRIVE	RUBBER	200	1
6	MOTOR	ELECTRONIC	1 HP MOTOR	1
7	WHEEL	PLASTIC	80X10	4
8	SHAFT	STEEL	100	1

BUDGET

S.NO	ITEM DESCRIPTION	QUANTITY	UNIT COST	PROPOSED COST
1	MOTOR	1	3000	
2	SQ ROD 1MM	12	2000	
3	HALLOW SHAFT	1	300	
4	BELT DRIVE	1	500	
5	SHEET	2	1000	
6	FABRICATION	-	2000	
7	BLASTING & PAINTING	-	1000	
	TOTAL		9800	

ALL DIMENSIONS ARE IN mm

REVISION DETAILS		
REVISION NO.	REVISION DESCRIPTION	REVISION SYMBOLS

PREPARED BY	ABDUL KADER M ABUL KAKSHF BRITTO V MOHAMED IRFAN A
VERIFIED BY	RAJAGURU K
APPROVED BY	G. ARUN KUMAR

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THANK YOU!