

Cost Management

1. Personnel Cost

Team Member	Role	Description	Hour	Hourly rate
Darrick	Project Manager	Overseeing the project, coordinating teams	40 hours/ week	RM120
Tan	Data Scientists/Analysts	Developing predictive models, analyzing data	40 hours/ week	RM100
Quek	Software Engineer/Developer	Building and maintaining software infrastructure	40 hours/ week	RM80
Lai	IoT Specialists	Handling IoT devices, connectivity	40 hours/ week	RM90
Lai	Maintenance Technicians/Engineers	Installing and maintaining sensors/equipment	40 hours/ week	RM70

2. Material Costs

Materials	Description	Quantity	Unit Cost (RM)	Total Cost (RM)
Data analytics software	This can give the insights of the data from the sensors and can quickly locate the problems.	1	200	200

Remote monitoring systems	This can monitor and control all sensors to do some configurations to predict the maintenance.	1	400	400
Repairing Materials	There are some materials for repairing the hardwares, for example, sensors.	1	1700	1700
Repairing Tools	To do the repairing, the tools are needed to apply the materials correctly and precisely.	2	300	600
Total Cost Required (RM)	2900			

3. Equipment Cost

Sensor Type	Description	Quantity	Unit Cost (RM)	Total Cost (RM)
Electromechanical sensors	Used to monitor the condition of door ball bearings.	5	200	1000
Ambiance (Humidity)	Used to monitor humidity levels, which can affect elevator performance.	1	300	300
Physics (Vibration)	Used to monitor vibration levels, which can indicate potential problems with the elevator.	1	400	400
Total	1700			

4. Budget Estimation

Budget		Total Cost (RM)
Personnel Cost		73600 (1 month)
Material		2900
Equipment		1700
Total (RM)	78200	