

Work break down structure (WBS)

Project Name : KAVS relay product upgrade
Group code : NEXT81_ONL1_ERP8_M1d
Revision : 00
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A Work Breakdown Structure (WBS) is a project management tool that helps break down a project into smaller, more manageable components

KAVS product upgrade WBS

Milestone	ID	Task	Owner	Duration (days)	Dictionary
KAVS Relay Design	1.1	PCB layout design	PCB designer	7	PCB designer designs the printed circuit board
	1.2	Enclosure design	Product design engineer	3	Product design engineer designs the KAVS relay product enclosure
	1.3	Built-in logic design	Software engineer	4	Software engineer sets the built in logic to the KAVS product
	1.4	Electronic circuit diagram/connection design	Electrical design engineer	4	Electrical design engineer designs the connection between various components
	1.5	Manufacturability and Reliability calculations	Product design engineer	3	product design engineer make calculations to ensure reliability and manufacturability ability.
KAVS Relay fabrication	2.1	PCB manufacturing	Process engineer	6	production manager facilitate the PCB manufacturing
	2.2	Surface Finish	Process engineer	5	process engineer ensure the perfect finish of soldering using HASL(Hot Air Solder Leveling, ENIG(Electroless Nickel Immersion Gold)
	2.3	Enclosure fabrication	Process engineer	6	Production manager fabricates the KAVS product enclosure
	2.4	Firmware development integrating with IoT technology	Software engineer	5	Software engineer develop the firmware of the KAVS product and integrating IoT to it
	2.5	KAVS Product testing	QA engineer	10	QA engineer test and inspect the product for any failures
WEB Development	3.1	Update design for the web page	Web developer	10	Web developer updates the webpage design to accommodate the new version of the KAVS upgraded product
	3.2	Develop web content	Content Developer	6	content developer modify the contents of the webpage
	3.3	Integrate IoT with web page	IoT developer	6	IoT developer integrates the IoT technology to the company webpage to communicate with the KAVS product
	3.4	Web page testing	Web QA tester	4	Software QA tester tests the updated company webpage
Marketing & Sales Strategy finalize	4.1	Market Research	Market research specialist	15	Market research Gather insights from customer feedback, surveys, or market data to understand what audience wants and how the product or service meets their needs.
	4.2	Create the content plan	Marketing Specialist	10	Marketing specialist create the contents for marketing such as making videos, infographics
	4.3	Write and print promotional brochures	Content writer	8	Content writer write the promotional brochures and print them.
Training plan	5.1	Develop training sessions	HR specialist	10	HR specialist develop training method, logistics and training schedule
	5.2	Prepare Training Manuals	Training Manager	10	Training Manager prepare the training manual to guide trainers and trainees through a specific training program or process.
	5.3	Train sales employees on upgraded KAVS product	Trainer	7	Trainer conduct training sessions for the employees
	5.4	Monitor progress and improve training processes	Training Manager	7	Training Manager monitor the process of the training program and progress