			SelfiePod - Re	sponsibility	Assignme	ent Matr	ix			
WBS Element/Personnel SelfiePod	Work Package Type Project	Work Package					ı	Other	Work Package Duration (Days)	Work Package Labor (Person Hours)
Market Analysis	Phase									
Materials Research  Battery Research	Activity Activity									
Battery Types  Lithium Ion	Activity Activity									
Cell Chemistry	Subtask	1.1.1.1.1.1.1								
Cathode Materials  Anode Materials	Subtask Subtask	1.1.1.1.1.1.1.1	R R	L L		P P	I		2	16 16
Electrolyte Composition Form Factor	Subtask Subtask	1.1.1.1.1.1.1	R	L		Р	I		2	16
Cylindrical	Subtask	1.1.1.1.1.1.1.1	R	L		P			2	16
Prismatic Pouch	Subtask Subtask	1.1.1.1.1.1.1.1 1.1.1.1.1	R R	L L		P P			2	16 16
LiFePO4 Safety Features	Activity Subtask	1.1.1.1.1.1								
Thermal Management	Subtask	1.1.1.1.1.1.1.1	R	L		P	I		2	16
Overcharge Protection  Short Circuit Prevention	Subtask Subtask	1.1.1.1.1.1.1.1 1.1.1.1.1	R R	L L		P P	I		2	16 16
Battery Capacity  Power Requirements	Subtask Subtask	1.1.1.1.1	R	L	Р	Р	I		2	16
Usage Duration	Subtask	1.1.1.1.1.1	R	L	Р	P	I		2	16
Size Constraints  Battery Safety	Subtask Subtask	1.1.1.1.1	R	L		Р	I		2	16
Temperature Control  Protection Circuits	Subtask Subtask	1.1.1.1.1.1	R R	L L	P P	P P	I		2	16 16
Certification Requirements	Subtask	1.1.1.1.1.1	L	P	·	Р	I		2	16
Battery Suppliers  Vendor Selection	Subtask Subtask	1.1.1.1.1	L	Р			I		2	16
Plastic Research Plastic Types	Activity Activity									
ABS Analysis	Subtask	1.1.1.1.1.1								
Impact Resistance Heat Resistance	Subtask Subtask	1.1.1.1.1.1.1	R R	L L		P P			3	24
Cost Analysis	Subtask	1.1.1.1.1.1.1	L	Р			I		2	16
Polycarbonate Study  Durability Tests	Subtask Subtask	1.1.1.1.1.1	R	L		Р			3	24
UV Resistance  Manufacturing Process	Subtask Subtask	1.1.1.1.1.1	R R	L L		P P	ı		3 4	24 32
User Needs Analysis	Activity									3/2
Target Audience Research  Demographics	Subtask Subtask	1.1.1.1	L				I	Р	2	16
Usage Patterns Purchase Behavior	Subtask Subtask	1.1.1.1.1	L L				I	P P	2	16 16
User Pain Points	Subtask	1.1.1.1							2	
Current Solutions Unmet Needs	Subtask Subtask	1.1.1.1.1 1.1.1.1.1	L L	P P	P P		I		2	16 16
Feature Requests	Subtask	1.1.1.1.1	L	Р	Р		I		2	16
Build  Component Sourcing	Phase Activity									
Battery Procurement Supplier Selection	Subtask Subtask	1.1.1.1	L	P			I		3	24
Quality Verification	Subtask	1.1.1.1.1	R	L		Р			4	32
Cost Negotiation  Electronics Components	Subtask Subtask	1.1.1.1.1	L	Р			I		3	24
Component List Supplier Quotes	Subtask Subtask	1.1.1.1.1	R L	L P	Р		I		3	16 24
Lead Time Analysis	Subtask	1.1.1.1.1	L	Р			I		2	16
Prototype Development  Initial Prototype	Activity Subtask	1.1.1.1								
3D Printing Assembly	Subtask Subtask	1.1.1.1.1	R R	L L	P	P P			5	32
Testing	Subtask	1.1.1.1.1	R R	P	P P	P L			5	40
Final Prototype  Production Methods	Subtask Subtask	1.1.1.1 1.1.1.1.1	L	P		P	I		4	32
Quality Control	Subtask	1.1.1.1.1	R L	P	P	L P	D		3	24
Testing Testing	Subtask Phase	1.1.1.1.1	L	Р	P	r	R		3	24
Quality Assurance  Component Testing	Activity Activity									
Electrical Testing	Activity									
Power System  Battery Performance	Activity Subtask	1.1.1.1.1.1								
Charge Cycles  Voltage Stability	Subtask Subtask	1.1.1.1.1.1.1	R R	P P		L L			5	40 24
Temperature Profile	Subtask	1.1.1.1.1.1.1.1	R	P		L			4	32
Circuit Validation Signal Integrity	Subtask Subtask	1.1.1.1.1.1.1 1.1.1.1.1.1.1	R	Р	Р	L			3	24
EMI Testing Power Efficiency	Subtask Subtask	1.1.1.1.1.1.1	R R	P P		L L			4	32 24
Control System	Activity								,	24
MCU Validation  Clock Stability	Subtask Subtask	1.1.1.1.1.1.1	R	Р	Р	L			2	16
Memory Tests  Peripheral Tests	Subtask Subtask	1.1.1.1.1.1.1.1	R R	P P	P P	L L			2	16 24
Marketing	Phase		K		I and a second				3	24
Digital Marketing Social Media	Activity Activity									
Platform Strategy	Activity									
Instagram Campaign  Content Creation	Activity Subtask	1.1.1.1.1.1.1								
Photo Shoots  Video Production	Subtask Subtask	1.1.1.1.1.1.1	R R				I	L L	3 4	24 32
Story Templates	Subtask	1.1.1.1.1.1.1.1	R				I	L	2	16
Influencer Program  Selection Criteria	Subtask Subtask	1.1.1.1.1.1.1 1.1.1.1.1.1.1	L				I	P	2	16
Engagement Metrics ROI Analysis	Subtask Subtask	1.1.1.1.1.1.1.1	L L		P P		I	P P	3	16 24
TikTok Strategy	Subtask	1.1.1.1.1.1			1		1	,	3	
Trend Analysis  Content Calendar	Subtask Subtask	1.1.1.1.1.1.1	R R				I	L L	2	16 16
Performance Metrics  Production & Deployment	Subtask Phase	1.1.1.1.1.1.1	R		Р		I	L	2	16
Manufacturing Setup	Activity									
Assembly Line Design  Automation Systems	Activity Activity									
Robot Integration	Activity	1111111								
End Effector Design  Gripper Mechanism	Subtask Subtask	1.1.1.1.1.1.1	R	L	Р	Р			4	32
Sensor Integration  Control Software	Subtask Subtask	1.1.1.1.1.1.1.1 1.1.1.1.1	R R	L P	P L	P P			3	32
Motion Planning	Subtask	1.1.1.1.1.1.1								
Path Optimization  Collision Avoidance	Subtask Subtask	1.1.1.1.1.1.1	R R	P P	L L	P P			4	32
Speed Control  Vision System	Subtask Activity	1.1.1.1.1.1.1	R	Р	L	Р			3	24
Camera Setup	Subtask	1.1.1.1.1.1.1								
Lighting Design  Image Processing	Subtask Subtask	1.1.1.1.1.1.1.1 1.1.1.1.1	R R	L P	P L	P P			3	32
Quality Checks	Subtask	1.1.1.1.1.1.1	R	Р	Р	L			3	24
	Project Tot	als  xes: 120				Key				

Project Totals					
Total WBS Boxes:	120				
Total Phases:	5				
Total Activities:	24				
Total Work Packages:	90				

Key									
L = Lead	P = Participant	R = Reviewer	I = Input	Project	Phase	Activity	Subtask*		
* Subtask rows are colored to match their corresponding level in the WBS diagram									