WBS Element/Personnel	Work Package Type	Work Package	SelfiePod - Re Project Manager	· ·				Other	Work Package Duration (Days)	Work Package Labor (Person Hours)
SelfiePod Market Analysis	Project Phase	1.0								
Materials Research	Activity	1.1								
Battery Research Battery Types	Task Task	1.1.1								
Lithium Ion	Task	1.1.1.1.1								
Cell Chemistry Cathode Materials	Task Subtask	1.1.1.1.1.1	R	L		Р	I		2	16
Anode Materials	Subtask	1.1.1.1.1.2	R	L		Р	I		2	16
Electrolyte Composition Form Factor	Subtask Task	1.1.1.1.1.3	R	L		P	I		2	16
Cylindrical	Subtask	1.1.1.1.2.1	R	L		P			2	16
Prismatic	Subtask	1.1.1.1.2.2	R	L		P			2	16
Pouch Safety Features	Subtask Task	1.1.1.1.2.3	R	L		Р			2	16
Thermal Management	Subtask	1.1.1.2.1.1	R	L		Р	I		2	16
Overcharge Protection Short Circuit Prevention	Subtask Subtask	1.1.1.1.2.1.2	R R	L L		P P	I		2	16
Battery Capacity	Task	1.1.1.2.1.3	K	L		P	1		2	10
Power Requirements	Subtask	1.1.1.2.1	R	L	P	P	Ι		2	16
Usage Duration Size Constraints	Subtask Subtask	1.1.1.2.2	R R	L L	P	P P	I		2	16
Battery Safety	Task	1.1.1.3								
Temperature Control	Subtask	1.1.1.3.1	R	L	P	Р	I		2	16
Protection Circuits Certification Requirements	Subtask Subtask	1.1.1.3.2	R L	L P	Р	P P	I		2	16
Vendor Selection	Subtask	1.1.1.4.1	L	P			I		2	16
Plastic Types	Task	1.1.2.1								
ABS Analysis Impact Resistance	Task Subtask	1.1.2.1.1	R	L		P			3	24
Heat Resistance	Subtask	1.1.2.1.1.2	R	L		Р			3	24
Cost Analysis Polycarbonate Study	Subtask Task	1.1.2.1.1.3	L	Р			I		2	16
Durability Tests	Subtask	1.1.2.1.2.1	R	L		Р			3	24
UV Resistance	Subtask	1.1.2.1.2.2	R	L		Р			3	24
Manufacturing Process User Needs Analysis	Subtask Activity	1.1.2.1.2.3	R	L		P	1		4	32
Target Audience Research	Task	1.2.1								
Demographics Lleage Patterns	Subtask	1.2.1.1	L				I	Р	2	16
Usage Patterns Purchase Behavior	Subtask Subtask	1.2.1.2	L L				I	P P	2	16 16
User Pain Points	Task	1.2.2								
Current Solutions Unmet Needs	Subtask Subtask	1.2.2.1	L	P P	P P		I		2	16
Feature Requests	Subtask	1.2.2.3	L	Р	P		I		2	16
Build	Phase	2.0								
Component Sourcing Battery Procurement	Activity Task	2.1.1								
Supplier Selection	Subtask	2.1.1.1	L	P			I		3	24
Quality Verification	Subtask	2.1.1.2	R	L		P	T		4	32
Cost Negotiation Electronics Components	Subtask Task	2.1.1.3	L	Р			1		3	24
Component List	Subtask	2.1.2.1	R	L	P				2	16
Supplier Quotes Lead Time Analysis	Subtask Subtask	2.1.2.2	L L	P P			I		3	24 16
Prototype Development	Activity	2.1.2.3	L	r			1		2	10
Initial Prototype	Task	2.2.1								
3D Printing Assembly	Subtask Subtask	2.2.1.1	R R	L L	P	P P			5	32
Testing	Subtask	2.2.1.3	R	P	P	L			5	40
Final Prototype	Task	2.2.2				j				
Production Methods Quality Control	Subtask Subtask	2.2.2.1	L R	P P		P L	1		3	32 24
Documentation	Subtask	2.2.2.3	L	Р	P	Р	R		3	24
Electrical Testing Power System	Phase Activity	3.1								
Battery Performance	Task	3.1.1.1.1								
Charge Cycles	Subtask	3.1.1.1.1.1	R	Р		L			5	40
Voltage Stability Temperature Profile	Subtask Subtask	3.1.1.1.1.2	R R	P P		L L			3	32
Circuit Validation	Task	3.1.1.1.2								52
Signal Integrity EMI Testing	Subtask	3.1.1.1.2.1	R	P	P	L			3	24
EMI Testing Power Efficiency	Subtask Subtask	3.1.1.1.2.2 3.1.1.1.2.3	R R	P P		L L			3	32 24
MCU Validation	Activity	3.1								
Clock Stability Memory Tests	Subtask Subtask	3.1.1.1.2.1.1	R R	P P	P P	L			2	16
Peripheral Tests	Subtask	3.1.1.1.2.1.3	R	P	P	L			3	24
Platform Strategy	Phase	1.0								
Instagram Campaign Content Creation	Activity Task	4.1.1.1.1								
Photo Shoots	Subtask	4.1.1.1.1.1	R				I	L	3	24
Video Production Story Templates	Subtask Subtask	4.1.1.1.1.2	R R				I	L L	4	32 16
Story Templates Influencer Program	Task	4.1.1.1.1.3	K				1	L	2	16
Selection Criteria	Subtask	4.1.1.1.2.1	L				I	P	2	16
Engagement Metrics ROI Analysis	Subtask Subtask	4.1.1.1.2.2 4.1.1.1.2.3	L L		P P		I	P P	2	16 24
TikTok Strategy	Activity	4.2								
Trend Analysis Content Calendar	Subtask	4.1.1.2.1	R				I	L	2	16
Content Calendar Performance Metrics	Subtask Subtask	4.1.1.1.2.2 4.1.1.1.2.3	R R		P		I	L L	2	16 16
Automation Systems	Phase	1.0								
Robot Integration End Effector Design	Activity Task	5.1 5.1.1.1.1.1								
Gripper Mechanism	Subtask	5.1.1.1.1.1	R	L	Р	Р			4	32
Sensor Integration	Subtask	5.1.1.1.1.2	R	L	Р	Р			3	24
Control Software Motion Planning	Subtask Task	5.1.1.1.1.3 5.1.1.1.2	R	P	L	P			4	32
Path Optimization	Subtask	5.1.1.1.2.1	R	Р	L	Р			3	24
Collision Avoidance Speed Control	Subtask Subtask	5.1.1.1.2.2	R R	P P	L	P P			4	32 24
Speed Control	Subtask Activity	5.1.1.1.2.3 5.1	K	r	L	r			3	24
Camera Setup	1									
Camera Setup Lighting Design	Subtask	5.1.1.2.1.1	R	L	P	P			3	24
Camera Setup		5.1.1.1.2.1.1 5.1.1.1.2.1.2 5.1.1.1.2.1.3	R R R	L P P	P L P	P P L			3 4	32 24

Project Totals	
Total Items:	106
Total Phases:	5
Total Activities:	10
Total Tasks:	23
Total Work Packages:	67
Total Duration (Days):	185
Total Labor (Hours):	1480

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