

Overview:				
Process	Owner	Location	Frequency	Notes
Review and Approval	Product Manager	Product Development	Quarterly	Review and approve the product roadmap and strategy.
Design and Development	Design Team	Design Department	Continuous	Design and develop the product features and user interface.
Testing and Deployment	QA Team	QA Department	Continuous	Test the product for bugs and ensure it is ready for deployment.
Release and Distribution	Marketing Team	Marketing Department	Continuous	Release the product to the market and distribute it to the target audience.
Support and Maintenance	Customer Support	Customer Support Department	Continuous	Provide customer support and maintain the product.
Feedback and Iteration	Product Manager	Product Development	Continuous	Collect feedback from users and iterate on the product.
Reporting and Analysis	Product Manager	Product Development	Quarterly	Report on product performance and analyze user behavior.
Compliance and Security	Legal Team	Legal Department	Continuous	Ensure the product complies with legal and security requirements.
Partnerships and Integrations	Partnerships Team	Partnerships Department	Continuous	Establish partnerships and integrations with other products and services.
Documentation and Training	Documentation Team	Documentation Department	Continuous	Create and maintain product documentation and training materials.
Performance and Optimization	Performance Team	Performance Department	Continuous	Monitor and optimize the product performance and user experience.
Localization and Internationalization	Localization Team	Localization Department	Continuous	Localize the product for different languages and regions.
Accessibility and Inclusivity	Accessibility Team	Accessibility Department	Continuous	Ensure the product is accessible and inclusive for all users.
Disaster Recovery and Business Continuity	Disaster Recovery Team	Disaster Recovery Department	Continuous	Develop and maintain disaster recovery and business continuity plans.
Vendor Management and Procurement	Vendor Management Team	Vendor Management Department	Continuous	Manage vendor relationships and procurement processes.
Financial Management and Budgeting	Financial Team	Financial Department	Continuous	Manage the product's financials and budget.
Human Resources and Talent Management	HR Team	HR Department	Continuous	Manage the product's human resources and talent.
Information Technology and Infrastructure	IT Team	IT Department	Continuous	Manage the product's IT infrastructure and technology stack.
Legal and Regulatory Affairs	Legal Team	Legal Department	Continuous	Manage the product's legal and regulatory affairs.
Public Relations and Communications	PR Team	PR Department	Continuous	Manage the product's public relations and communications.
Strategic Planning and Vision	Product Manager	Product Development	Quarterly	Define the product's strategic vision and long-term goals.
Market Research and Competitive Analysis	Market Research Team	Market Research Department	Continuous	Conduct market research and competitive analysis.
User Research and Usability Testing	User Research Team	User Research Department	Continuous	Conduct user research and usability testing.
Analytics and Data Science	Analytics Team	Analytics Department	Continuous	Analyze product data and user behavior.
Artificial Intelligence and Machine Learning	AI/ML Team	AI/ML Department	Continuous	Develop and implement AI/ML models and algorithms.
Blockchain and Distributed Systems	Blockchain Team	Blockchain Department	Continuous	Develop and implement blockchain-based solutions.
Cloud Computing and DevOps	Cloud Team	Cloud Department	Continuous	Develop and implement cloud-based solutions and DevOps practices.
Augmented Reality and Virtual Reality	AR/VR Team	AR/VR Department	Continuous	Develop and implement AR/VR experiences.
Internet of Things and Smart Devices	IoT Team	IoT Department	Continuous	Develop and implement IoT-based solutions and smart devices.
Quantum Computing and Quantum Cryptography	Quantum Team	Quantum Department	Continuous	Develop and implement quantum-based solutions and cryptography.
Space Exploration and Aerospace Technology	Space Team	Space Department	Continuous	Develop and implement space-based solutions and aerospace technology.
Biotechnology and Bioinformatics	Bio Team	Bio Department	Continuous	Develop and implement biotechnology-based solutions and bioinformatics.
Environmental Science and Sustainability	Env Team	Env Department	Continuous	Develop and implement environmentally sustainable solutions.
Energy and Power Systems	Energy Team	Energy Department	Continuous	Develop and implement energy and power systems.
Transportation and Logistics	Transport Team	Transport Department	Continuous	Develop and implement transportation and logistics solutions.
Healthcare and Medical Devices	Health Team	Health Department	Continuous	Develop and implement healthcare and medical device solutions.
Finance and Banking	Finance Team	Finance Department	Continuous	Develop and implement finance and banking solutions.
Insurance and Risk Management	Insurance Team	Insurance Department	Continuous	Develop and implement insurance and risk management solutions.
Real Estate and Property Management	Real Estate Team	Real Estate Department	Continuous	Develop and implement real estate and property management solutions.
Telecommunications and Network Infrastructure	Telecom Team	Telecom Department	Continuous	Develop and implement telecommunications and network infrastructure solutions.
Media and Entertainment	Media Team	Media Department	Continuous	Develop and implement media and entertainment solutions.
Education and E-Learning	Edu Team	Edu Department	Continuous	Develop and implement education and e-learning solutions.
Government and Public Services	Gov Team	Gov Department	Continuous	Develop and implement government and public services solutions.
Defense and Military Technology	Defense Team	Defense Department	Continuous	Develop and implement defense and military technology solutions.
Aviation and Aerospace	Aviation Team	Aviation Department	Continuous	Develop and implement aviation and aerospace solutions.
Maritime and Shipping	Maritime Team	Maritime Department	Continuous	Develop and implement maritime and shipping solutions.
Automotive and Transportation	Auto Team	Auto Department	Continuous	Develop and implement automotive and transportation solutions.
Construction and Infrastructure Development	Construction Team	Construction Department	Continuous	Develop and implement construction and infrastructure development solutions.
Energy Production and Distribution	Energy Prod Team	Energy Prod Department	Continuous	Develop and implement energy production and distribution solutions.
Water and Wastewater Management	Water Team	Water Department	Continuous	Develop and implement water and wastewater management solutions.
Food and Agriculture	Food Team	Food Department	Continuous	Develop and implement food and agriculture solutions.
Forestry and Land Management	Forestry Team	Forestry Department	Continuous	Develop and implement forestry and land management solutions.
Fishing and Aquaculture	Fishing Team	Fishing Department	Continuous	Develop and implement fishing and aquaculture solutions.
Wildlife Conservation and Management	Wildlife Team	Wildlife Department	Continuous	Develop and implement wildlife conservation and management solutions.
Environmental Monitoring and Assessment	Env Mon Team	Env Mon Department	Continuous	Develop and implement environmental monitoring and assessment solutions.
Climate Change Research and Mitigation	Climate Team	Climate Department	Continuous	Develop and implement climate change research and mitigation solutions.
Disaster Preparedness and Response	Disaster Team	Disaster Department	Continuous	Develop and implement disaster preparedness and response solutions.
Emergency Management and Crisis Response	Emergency Team	Emergency Department	Continuous	Develop and implement emergency management and crisis response solutions.
Public Safety and Security	Public Safety Team	Public Safety Department	Continuous	Develop and implement public safety and security solutions.
Law Enforcement and Judicial System	Law Team	Law Department	Continuous	Develop and implement law enforcement and judicial system solutions.
Legal Services and Advocacy	Legal Services Team	Legal Services Department	Continuous	Develop and implement legal services and advocacy solutions.
Non-Profit and Social Services	Non-Profit Team	Non-Profit Department	Continuous	Develop and implement non-profit and social services solutions.
Healthcare Services and Patient Care	Healthcare Team	Healthcare Department	Continuous	Develop and implement healthcare services and patient care solutions.
Educational Services and Student Support	Educational Team	Educational Department	Continuous	Develop and implement educational services and student support solutions.
Financial Services and Investment Management	Financial Services Team	Financial Services Department	Continuous	Develop and implement financial services and investment management solutions.
Insurance Services and Risk Assessment	Insurance Services Team	Insurance Services Department	Continuous	Develop and implement insurance services and risk assessment solutions.
Real Estate Services and Property Development	Real Estate Services Team	Real Estate Services Department	Continuous	Develop and implement real estate services and property development solutions.
Telecommunications Services and Network Services	Telecom Services Team	Telecom Services Department	Continuous	Develop and implement telecommunications services and network services solutions.
Media Services and Content Creation	Media Services Team	Media Services Department	Continuous	Develop and implement media services and content creation solutions.
Education Services and E-Learning Solutions	Edu Services Team	Edu Services Department	Continuous	Develop and implement education services and e-learning solutions solutions.
Government Services and Public Administration	Gov Services Team	Gov Services Department	Continuous	Develop and implement government services and public administration solutions.
Defense Services and Military Operations	Defense Services Team	Defense Services Department	Continuous	Develop and implement defense services and military operations solutions.
Aviation Services and Aerospace Operations	Aviation Services Team	Aviation Services Department	Continuous	Develop and implement aviation services and aerospace operations solutions.
Maritime Services and Shipping Operations	Maritime Services Team	Maritime Services Department	Continuous	Develop and implement maritime services and shipping operations solutions.
Automotive Services and Transportation Operations	Auto Services Team	Auto Services Department	Continuous	Develop and implement automotive services and transportation operations solutions.
Construction Services and Infrastructure Construction	Construction Services Team	Construction Services Department	Continuous	Develop and implement construction services and infrastructure construction solutions.
Energy Services and Power Generation	Energy Services Team	Energy Services Department	Continuous	Develop and implement energy services and power generation solutions.
Water Services and Wastewater Treatment	Water Services Team	Water Services Department	Continuous	Develop and implement water services and wastewater treatment solutions.
Food Services and Agriculture Operations	Food Services Team	Food Services Department	Continuous	Develop and implement food services and agriculture operations solutions.

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Research (Discover)					Research (Discover)					Research (Discover)					Research (Discover)				
Week 1					Week 2					Week 3					Week 4				
06-10-2024	07-11-2024	08-12-2024	09-13-2024	10-14-2024	06-10-2024	07-11-2024	08-12-2024	09-13-2024	10-14-2024	06-10-2024	07-11-2024	08-12-2024	09-13-2024	10-14-2024	06-10-2024	07-11-2024	08-12-2024	09-13-2024	10-14-2024
Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning
30.00					30.00					30.00					30.00				
20.00					20.00					20.00					20.00				
10.00					10.00					10.00					10.00				
05.00					05.00					05.00					05.00				
02.50					02.50					02.50					02.50				
15.00					15.00					15.00					15.00				
07.50					07.50					07.50					07.50				
03.75					03.75					03.75					03.75				
18.75					18.75					18.75					18.75				
09.37					09.37					09.37					09.37				
04.68					04.68					04.68					04.68				
23.12					23.12					23.12					23.12				
11.56					11.56					11.56					11.56				
05.78					05.78					05.78					05.78				
02.89					02.89					02.89					02.89				
14.29					14.29					14.29					14.29				
07.14					07.14					07.14					07.14				
03.57					03.57					03.57					03.57				
16.43					16.43					16.43					16.43				
08.21					08.21					08.21					08.21				
04.10					04.10					04.10					04.10				
19.50					19.50					19.50					19.50				
09.75					09.75					09.75					09.75				
04.87					04.87					04.87					04.87				
24.38					24.38					24.38					24.38				
12.19					12.19					12.19					12.19				
06.09					06.09					06.09					06.09				
03.04					03.04					03.04					03.04				
15.19					15.19					15.19					15.19				
07.59					07.59					07.59					07.59				
03.79					03.79					03.79					03.79				
18.38					18.38					18.38					18.38				
09.19					09.19					09.19					09.19				
04					04					04					04				

Research (dataset)							
Parameters							
Training set		Validation set		Test set		Total set	
Set ID	Set Name	Set ID	Set Name	Set ID	Set Name	Set ID	Set Name
1	Training set	2	Validation set	3	Test set	4	Total set
5	Training set	6	Validation set	7	Test set	8	Total set
9	Training set	10	Validation set	11	Test set	12	Total set
13	Training set	14	Validation set	15	Test set	16	Total set
17	Training set	18	Validation set	19	Test set	20	Total set
21	Training set	22	Validation set	23	Test set	24	Total set
25	Training set	26	Validation set	27	Test set	28	Total set
29	Training set	30	Validation set	31	Test set	32	Total set
33	Training set	34	Validation set	35	Test set	36	Total set
37	Training set	38	Validation set	39	Test set	40	Total set
41	Training set	42	Validation set	43	Test set	44	Total set
45	Training set	46	Validation set	47	Test set	48	Total set
49	Training set	50	Validation set	51	Test set	52	Total set
53	Training set	54	Validation set	55	Test set	56	Total set
57	Training set	58	Validation set	59	Test set	60	Total set
61	Training set	62	Validation set	63	Test set	64	Total set
65	Training set	66	Validation set	67	Test set	68	Total set
69	Training set	70	Validation set	71	Test set	72	Total set
73	Training set	74	Validation set	75	Test set	76	Total set
77	Training set	78	Validation set	79	Test set	80	Total set
81	Training set	82	Validation set	83	Test set	84	Total set
85	Training set	86	Validation set	87	Test set	88	Total set
89	Training set	90	Validation set	91	Test set	92	Total set
93	Training set	94	Validation set	95	Test set	96	Total set
97	Training set	98	Validation set	99	Test set	100	Total set