S.No.	Organization	Problem Statement Title	Category	PS Number	Domain Bucket
1	Ministry of Jal Shakti	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and	Hardware	SIH1293	Agriculture, FoodTech & Rural Development
2	Ministry of Jal Shakti	Estimation of inflow to a reservoir from the rainfall considering soil moisture in its catchment and releases from upstream reservoirs and automatically opening of reservoir gates for moderately	Hardware	SIH1294	Disaster Management
3	Ministry of power	Monitoring through AI Based Remote Access Vehicle	Hardware	SIH1298	Smart Vehicles
4	Ministry of power	Developing an AI-powered energy management system for industrial commercial facilities to optimize energy	Hardware	SIH1299	Smart Automation
5	Ministry of power	Automated Public Lighting	Hardware	SIH1300	Smart Automation
6	Ministry of Social Justice and Empowerm	Active Prosthetic ankle and adaptive equipment for bike riding in lower limb amputees	Hardware	SIH1306	MedTech / BioTech / HealthTech
7	Ministry of Ports, Shipping	Drone-based surveillance system for the vessels plying in port areas and	Hardware	SIH1310	Robotics and Drones
8	Ministry of coal	A system of IoT Devices to prevent under-loading / overloading of Railway	Hardware	SIH1313	Transportation & Logistics
9	Ministry of coal	Development of a Telematic control unit for capturing vital data of a vehicle without	Hardware	SIH1315	Smart Vehicles
10	Government of Kerala	Development of Smart Toilet	Hardware	SIH1323	MedTech / BioTech / HealthTech
11	Government of Kerala	Developing a system for Patient Care in the Health Sector	Hardware	SIH1327	Robotics and Drones
12	Ministry of Jal Shakti	Call for cost-effective ways of making water source for piped drinking water supply sustainable in Rural areas	Hardware	SIH1328	Renewable / Sustainable Energy
13	Ministry of Mines	Dificulty in operating Heavy earth moving machineries during rainy season (4-5 months due to extremely poor visibility conditions leading	Hardware	SIH1335	Transportation & Logistics
14	Ministry of Mines	Mines operation specially haulage of dumphers done through operators extended	Hardware	SIH1336	Miscellaneous

15	Ministry of Mines	unpredictable wear and tear of cable belt conveyor Rope and belt leading to frequent stoppage of single line Mine production system causing	Hardware	SIH1337	Miscellaneous
16	Governmen t of Jammu and	Innovative Solution for Reducing ATandC Losses due to Power Pilferage in	Hardware	SIH1353	Smart Automation
17	Governmen t of Gujarat	Development of Small Scale Wind energy device	Hardware	SIH1361	Renewable / Sustainable Energy
18	Ministry of Social Justice and Empowerm ent	Despite prohibition of hazardous cleaning of sewers and septic tanks (manual cleaningof sewers and septic tanks without safety kits, safety devices and without adherence tosafety	Hardware	SIH1368	Smart Automation
19	Ministry of Fisheries, Animal Husbandry	One-stop solution for monitoring dairy plant energy consumption, hygiene and packaging waste collection	Hardware	SIH1373	Agriculture, FoodTech & Rural Development
20	Ministry of Power	Geo tagging of plantation in the catchment area of hydro	Hardware	SIH1375	Agriculture, FoodTech & Rural
	Ministry of Power	Robotics for inspection of abrasion / corrosion of underwater equipment / parts and further repair and	Hardware	SIH1376	Robotics and Drones
22	Ministry of power	Detection of embedded Malware/ Trojan in hardware devices used in Power Sector.	Hardware	SIH1387	Blockchain & Cybersecurity
23	Ministry of Micro, Small and	Development of Technology for manufacturing of mind control BIONIC hand with a	Hardware	SIH1399	MedTech / BioTech / HealthTech
24	Ministry of Micro, Small and Medium Enterprises	Uncontrolled growth of water Hyacinth in lakes	Hardware	SIH1400	Agriculture, FoodTech & Rural Development
25	Ministry of Social Justice and Empowerm ent	Low-cost Myoelectric Prosthetic Arm	Hardware	SIH1404	MedTech / BioTech / HealthTech
26	Ministry of Social Justice and Empowerm ent	Development of Augmentative and Alternative Communication (AAC) in Indian context	Hardware	SIH1406	MedTech / BioTech / HealthTech
27	Ministry of Defence	Drone based Intelligent Magnetic sensing system and Metallic anomaly detection system	Hardware	SIH1414	Miscellaneous
28	Ministry of Jal Shakti	Call for low-cost desalination technology for Lakshadweep and Inland saline water	Hardware	SIH1424	Miscellaneous

29	Ministry of Jal Shakti	Technological solutions for Early decomposition of fecal	Hardware	SIH1425	Miscellaneous
▼	Ministry of Jal Shakti	Call for Toilet technology	Hardware	SIH1427	Miscellaneous
32	Ministry of Education	Lowest Cost Smart Board - A Seamless Teaching	Hardware	SIH1430	Smart Education
33	Ministry of Home	Robotics Device for Borewell Rescue Operation	Hardware	SIH1439	Disaster Management
34	Autodesk Education Experience	Students to use Autodesk Fusion 360 to research and develop a design on Smart Glass Cleaning Robot, which can climb, clean, and carry liquid cleaners. For additional information and detailed problem statement, please	Hardware	SIH1444	Robotics and Drones
35	National Technical Research Organisatio	Design of RF Up/Down-converter for signals using GNU Radio and SDRs.	Hardware	SIH1448	Miscellaneous
36	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1466	Smart Education
37	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1469	Disaster Management
38	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1470	Miscellaneous
39	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1471	Blockchain & Cybersecurity
40	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1472	Renewable / Sustainable Energy
▼	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1473	Transportation & Logistics
42	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1474	Clean & Green Technology

43	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1475	Robotics and Drones
44	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1476	Transportation & Logistics
45	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1477	Smart Vehicles
46	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1478	Agriculture, FoodTech & Rural Development
47	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1479	MedTech / BioTech / HealthTech
48	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1480	Heritage & Culture
49	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1481	Fitness & Sports
50	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1482	Smart Automation
	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1482	Smart Automation
52	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1497	Toys & Games
53	Ministry of Fisheries, Animal Husbandry	Green options for milk packaging (Low cost, environment-friendly, and extended shelf life packaging	Hardware	SIH1499	Renewable / Sustainable Energy
54	Ministry of AYUSH	Automatic Drug Dispenser	Hardware	SIH1503	MedTech / BioTech / HealthTech

55	Ministry of Mines	Frequent dislodgement of belt conveyor along hilly terrain for various reasons	Hardware	SIH1507	Transportation & Logistics
56	Ministry of Mines	Real time Knowledge of ore body being mined out	Hardware	SIH1511	Miscellaneous
57	Ministry of Housing and Urban	Centralized Monitoring System for Street Light Fault Detection and Location	Hardware	SIH1512	Smart Automation
58	Ministry of Housing and Urban	Effective management of construction and demolition (C&D) waste	Hardware	SIH1513	Clean & Green Technology