

SIH Problem Statements

S. No.	P S Number	Domain Bucket	Problem Statement Title	Organisation
1	AD356	Healthcare & Biomedical Devices	IoT based Smart bottle for Healthcare	Education department Gujarat
2	AD362	Smart Cities	Traffic Clearance for Ambulance/(or other priority Vehicle) through Artificial Intelligence	Education department Gujarat
3	AD363	Miscellaneous	Cost Effective harmonic filters.	Education department Gujarat
4	AG344	Smart Communication	Smart Traffic Monitoring and Controlling	MathWorks
5	AG51	Miscellaneous	Smart Management of Street lights for Energy Conservation	Department of Scientific and Industrial Research
6	AG52	Robotics & Drones	Landslide monitoring through drones	Department of Scientific and Industrial Research
7	AG53	Security & Surveillance	Firefighting through high resistance robots	Department of Scientific and Industrial Research
8	AJ130	Miscellaneous	Technological advances in LPG sector	Ministry of Petroleum and Natural Gas
9	AM291	Sustainable Environment	Cisco Wireless Access + IoT App Hosting	DEVNET
10	AN318	Robotics & Drones	Last Mile delivery in a multi-storey building of a society	Amazon Web Services
11	AN418	Robotics & Drones	Robotic Arm for inspection, cleaning and painting of tanks on ships to save on time, cost and avoid accidents.	Mazagon Dock Shipbuilders Ltd.
12	AR243	Miscellaneous	How to get another dedicated internet service provider (ISP) for an e-governance portal	National Jute Board, Min of Textiles
13	AR249	Smart Textiles	scientific way of assessing the quality parameters of raw jute produced/sold by farmers by linking with raw jute crop assessment through remote sensing application of NRSA/ISRO	National Jute Board, Min of Textiles
14	AR255	Smart Textiles	Digital / Laser printing – creating a niche for Surat	National Jute Board, Min of Textiles
15	AS37	Smart Communication	Network connectivity in remote areas	try of Women and Child Development
16	BB457	Security & Surveillance	Smart Sealing System (Electronic recording of seal position of SLRs/VPUs)	Ministry of Railways
17	BB459	Robotics & Drones	Intelligent Scanning System (Non invasive, quick and cost effective way of checking of parcels in parcel offices (both booked by railway and leaseholders)	Ministry of Railways

18	BC80	Miscellaneous	Cities have people coming from rural areas. There is a need for better public spaces.	Ministry of Housing and Urban Affairs
19	BK264	Smart Communication	Aggregated Internet Bandwidth solution	Central Warehousing Corporation
20	BN148	Miscellaneous	Design & Manufacturing of Connecting Rod	Autodesk
21	CK117	Healthcare & Biomedical Devices	Smart clothes for Security Forces	Dte of IT & Cyber Security, DRDO
22	CK48	Security & Surveillance	Soldier Strap	Dte of IT & Cyber Security, DRDO
23	DA190	Healthcare & Biomedical Devices	Automated Basti (Enema) Preparation machine	All India Institute of Ayurveda - Ministry of AYUSH
24	DA193	Healthcare & Biomedical Devices	Virtual reality (VR) for Yoga-Asana, Meditation	All India Institute of Ayurveda - Ministry of AYUSH
25	DB158	Healthcare & Biomedical Devices	Tracking of babies discharged from S.N.C.U. (Sick New Born Care Unit), Agartala Government Medical College (AGMC)	Tripura Institute of Technology
26	DB161	Smart Communication	Identification of Geo location using Smartphone in absence of internet and mobile network.	Tripura Institute of Technology
27	DB162	Smart Communication	Calls made to a particular number from a basic phone needs to be tracked accessing the location based information provided by the service provider on the fly and plot the location on map using Google services.	Tripura Institute of Technology
28	DR137	Clean Water	Water Quality Measuring Device	Govt of Goa
29	DR137	Healthcare & Biomedical Devices	Device to measure Steroid content in Milk/Meat Products	Govt of Goa
30	DR138	Healthcare & Biomedical Devices	Device to check for harmful chemicals in vegetables and fruits	Govt of Goa
31	DS173	Security & Surveillance	Wearable location tracker during disaster	Dr. B R Ambedkar Institute of Technology
32	Healthcare & Biomedical Devices	Healthcare & Biomedical Devices	Generalized Epileptic Seizure Alert System	partment of Atomic Energy
33	IC475	Food Technology	Food Technology	MIC
34	IC476	Robotics & Drones	Robotics and Drones	MIC
35	IC477	Waste Management	Waste management	MIC
36	IC479	Energy / Renewable Energy	Energy/ Renewable energy	MIC
37	IC479	Smart Cities	Smart Cities	MIC
38	IC480	Smart Communication	Smart Communication	MIC
39	IC481	Agriculture and Rural Development	Agriculture & Rural Development	MIC

40	IC482	Smart Education	Smart Education	MIC
41	IC483	Travel and Tourism	Travel	MIC
42	IC484	Smart Textiles	Smart Textiles	MIC
43	IC485	Smart Vehicles	Smart Vehicles	MIC
44	IC486	Sports and Fitness	Sports & Fitness	MIC
45	IC487	Sustainable Environment	Sustainable environment	MIC
46	IC489	Healthcare & Biomedical Devices	Healthcare & Biomedical devices	MIC
47	IC489	Security & Surveillance	Security & Surveillance	MIC
48	IC490	Miscellaneous	Miscellaneous	MIC
49	KB187	Clean Water	solutions required to address challenges faced in clean water supply	Government of Andhra Pradesh
50	MK93	Smart Vehicles	UAV's for Disaster Identification and alerting System	Gov of Uttarakhand
51	MK94	Clean Water	Remote Monitoring of the Quality and Potability of Drinking Water Sources	Gov of Uttarakhand
52	MK96	Agriculture and Rural Development	Low cost and affordable Smart Autonomous Remote Monitored Agri-Horticulture systems for eg. Polyhouses developed by CDAC in Kerala.	Gov of Uttarakhand
53	MK98	Agriculture and Rural Development	Solar Powered Smart Irrigation System	Gov of Uttarakhand
54	MK99	Agriculture and Rural Development	Way out for man-animal conflict, especially for protection of agriculture crops from wild animals	Gov of Uttarakhand
55	MS341	Security & Surveillance	Solo IOT devices to capture video and audio evidences	Govt. of Madhya Pradesh
56	MS448	Security & Surveillance	Smarter Surveillance System	Cognizant Technology Solutions India Pvt. Ltd
57	MS449	Miscellaneous	Currently Government Schemes are not being utilized by real beneficiary, and this leads to middle man being taking advantage of situation and also leads to corruption. Self/ Supervised KIOSK based terminal for checking eligibility and also apply for scheme.	Cognizant Technology Solutions India Pvt. Ltd
58	MS451	Sustainable Environment	Renewable Energy: Innovative ideas that help manage and generate renewable sources more efficiently.	Cognizant Technology Solutions India Pvt. Ltd
59	MS452	Smart Communication	Designing devices, which would help in easing communication channels between various communication devices and points.	Cognizant Technology Solutions India Pvt. Ltd

60	MS453	Robotics & Drones	There is a need design drones and robots that can solve some of the pressing challenges of India such as handling medical emergencies, search and rescue operations.	Cognizant Technology Solutions India Pvt. Ltd
61	NK227	Clean Water	Clamp-on flow metering	Gnarus Solutions
62	NS275	Agriculture and Rural Development	Developing a real time produce life time monitoring & sharing mechanism to enhance output realization to farmers through private sector participation and DBT.	Govt. of Bihar (DOA)
63	PC85	Smart Communication	Laser based Vibration Sensor operated through mobile	Department of Atomic Energy
64	PC89	Security & Surveillance	Digital Imaging of Objects behind Steel walls	Department of Atomic Energy
65	PD152	Miscellaneous	Problem Statement from PDUNIPPD (Hardware)	Department of Empowerment of Persons with Disabilities, Ministry of Social Justice and Empowerment
66	PG175	Clean Water	Artificial intelligence enabled robotic trash boat to drive & harvest floating trash from urban drain.	National Mission for Clean Ganga, DoWR, RD & GR, Ministry of Jal Shakti
67	PJ237	Miscellaneous	Solution for initiating some kind of alarm to protect underground fiber while digging the road for construction	Ministry of Communications
68	PJ237	Smart Communication	Upgrading 3G Mobile for LTE/4G network	Ministry of Communications
69	PJ238	Smart Communication	Cost effective innovative solution for long distanch (3 to 8 kms)	Ministry of Communications
70	PK365	Robotics & Drones	Remotely Operated Vehicle (ROV) for inspection of the HRT (Head Race Tunnels) in Hydro-electric Plant.	Ministry of Power
71	PM441	Food Technology	IoT based solution for monitoring of pollution through pesticide in fresh fruits and vegetable available in markets	Ministry of Consumer Affairs, Food & Public Distribution
72	PN313	Smart Vehicles	TRACKING and Control of Hot METAL TRANSPORTATION TRUCKS	NALCO
73	PR184	Healthcare & Biomedical Devices	Non-invasive Glucometer	Department of Science and Technology
74	PR324	Smart Communication	Video conference – Eye to eye contact – Mobile App	Department of Science and Technology
75	PR330	Energy / Renewable Energy	Smart Networks for Renewable Integrated Sources for standalone Microgrids	Department of Science and Technology

76	PR407	Miscellaneous	Chapati making machine for household	Department of Science and Technology
77	PR419	Agriculture and Rural Development	1. Quick analysis of quality of cereals, oilseeds and pulses using AI	Department of Science and Technology
78	PR427	Food Technology	Use of Technology to Test Adulteration of Edible Produce	Department of Science and Technology
79	PR428	Smart Cities	Smart Building Energy Management System using Machine Learning	Department of Science and Technology
80	SG288	Agriculture and Rural Development	Manual operations of Microla and Biola Bottle filling, capping, labelling and packing, leading to spillage and wastage of manpower	RCF
81	SG433	Smart Education	CLASS ROOM ATTENDANCE DISPLAY	Govt.of Sikkim
82	SG435	Energy / Renewable Energy	Mini Hydro power project for Schools	Govt.of Sikkim
83	SP292	Robotics & Drones	Design and Development of working prototype of Helicopter Turbo-propellers	Bharat Forge Ltd
84	SS44	Robotics & Drones	Delivery of Essential Medicines by Drones in Hilly areas	Ministry of Health and Family Welfare
85	UP125	Healthcare & Biomedical Devices	Warm patient mattress	GE Healthcare
86	VS17	Clean Water	Build an online system for monitoring water quality, leaks, contamination, and managing pipeline network.	Andhra Pradesh Innovation Society, ITE&C Department
87	VS19	Clean Water	Cost effective mechanism to treat waste water in small villages	Andhra Pradesh Innovation Society, ITE&C Department