PROBLEM STATEMENTS

TOTAL STATEMENTS

As per available data

57 Hardware

153 Software

Select Theme

All

Category

All

Organization

All

◯ **All**   ◯ **State Government**   ◯ **Central Ministry**   ◯ **Corporate**   ◯ **Student Innovation**

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S.No. ↑↓	Organization ↑↓	Problem Statement Title ↑↓	Category ↑↓	PS Number ↑↓	Submitted Idea(s) Count↓	Theme ↑↓
1	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1526	0	Smart Education
2	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1527	0	Disaster Management
3	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1528	0	Miscellaneous
S.No.	Organization	Problem Statement Title	Category	PS Number	Submitted Idea(s) Count	Theme

S.No.	Organization	Problem Statement Title	Category	PS Number	Submitted Idea(s) Count	Theme
	Student Innovation					Cybersecurity
5	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1530	0	Renewable / Sustainable Energy
6	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1531	0	Transportation & Logistics
7	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1532	0	Clean & Green Technology
8	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1533	0	Robotics and Drones
9	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1534	0	Transportation & Logistics
10	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1535	0	Smart Vehicles
11	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1536	0	Agriculture, FoodTech & Rural Development
12	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1537	0	MedTech / BioTech / HealthTech
13	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1538	0	Heritage & Culture
14	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1539	0	Fitness & Sports
15	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1540	0	Smart Automation
16	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1541	0	Toys & Games
17	AICTE, MIC-Student Innovation	Student Innovation	Hardware	SIH1542	0	Space Technology
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		conventional aerospace component commonly found in air vehicles and utilize Fusion software to reimagine its design. Students can use Fusion Features such as Generative Design, Topology Optimization, Additive Build etc. The redesigned component should showcase innovation, enhanced functionality, and improved efficiency, all while being optimized for 3D printing.				Automation
19	Autodesk	Students are supposed to use Fusion software to generate NC code with machine details & tool library for any industrial component. students should possess technical skills in areas such as CAD/CAM software, G-code programming, toolpath optimization, and machining fundamentals. Additionally, their project ideas should demonstrate a viable solution to a real-world problem, ensuring feasibility and practicality in implementation.	Hardware	SIH1544	0	Smart Automation
20	Department of Science and Technology	Development of a non-electrical device for tracking the movement of the sun for movement of the solar panels, increasing their efficiency.	Hardware	SIH1545	0	Renewable / Sustainable Energy
21	Department of Science and Technology	Development of innovative design for flushing systems in western toilet sheets which can be used for deployment in public toilets.	Hardware	SIH1546	0	Miscellaneous
22	Department of Science and Technology	Development of an alternative technology to check blockage of blood vessels (an alternative to conventional angiography.	Hardware	SIH1547	0	MedTech / BioTech / HealthTech
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	Science and Technology	based low-cost flush (with less water usage) for deployment in rural areas.				
24	Department of Science and Technology	Development of chemical strip (non-electronic) for identification of high temperature exposure in transportation of medicines/vaccines/FMCG goods, to ensure its usability.	Hardware	SIH1549	0	MedTech / BioTech / HealthTech
25	Department of Science and Technology	Development of portable device (non-contact device) for measurement of eye pressure in glaucoma patients for usage at home.	Hardware	SIH1550	0	MedTech / BioTech / HealthTech
26	Ministry of Agriculture and Farmers Welfare	Smart Irrigation System for Precision Farming	Hardware	SIH1554	0	Agriculture, FoodTech & Rural Development
27	Ministry of AYUSH	Create a Virtual Herbal Garden that provides an interactive, educational, and immersive experience to users, showcasing the diverse range of medicinal plants used in AYUSH (Ayurveda, Yoga & Naturopathy, Unani, Siddha, and Homeopathy).	Hardware	SIH1555	0	MedTech / BioTech / HealthTech
28	Ministry of AYUSH	Develop a Smart Yoga Mat integrated with Artificial Intelligence (AI) capabilities to support smart watch integration for tracking progress and provide curated yoga content by experts, while ensuring its affordability.	Hardware	SIH1556	0	MedTech / BioTech / HealthTech
29	Ministry of Coal	Development of Tyre Maintenance and Operation App, including fitment of necessary IIoT related hardware in Dumpers	Hardware	SIH1557	0	Smart Automation
30	Ministry of Culture	AI-based automated defective exhibit identification system placed in a gallery.	Hardware	SIH1558	0	Smart Automation
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	Electronics and Information Technology	solution that demonstrates the hardware enabled root of trust.				Automation
32	Ministry of Fisheries, Animal Husbandry and Dairying	Rapid colorimetric and artificial intelligence-based methods for determining the microbial quality of raw milk, processed milk, and milk products	Hardware	SIH1560	0	MedTech / BioTech / HealthTech
33	Ministry of Fisheries, Animal Husbandry and Dairying	Affordable, Sustainable, and User-friendly Solutions for Semen Dose Storage and Distribution	Hardware	SIH1561	0	Agriculture, FoodTech & Rural Development
34	Ministry of Home Affairs	Solution for end-to-end tracking of dual use chemicals used in both legitimate industries and illicit drug production from point of manufacture to point of end use/export.	Hardware	SIH1562	0	Blockchain & Cybersecurity
35	Ministry of Home Affairs	Automatic Change detection in Synthetic Aperture Radar satellite images	Hardware	SIH1563	0	Space Technology
36	Ministry of Home Affairs	Automatic Road Extraction and alert generation for new roads	Hardware	SIH1564	0	Space Technology
37	Ministry of Home Affairs	Target detection by optimizing Anomaly Detection in Hyperspectral Image Processing using AI/ML	Hardware	SIH1565	0	Clean & Green Technology
38	Ministry of Home Affairs, The National Disaster Response Force (NDRF)	Enhancing body detection in CSSR Operations Using Advanced Technology	Hardware	SIH1566	0	Disaster Management
39	Ministry of Jal Shakti	Grey Water Management (GWM)	Hardware	SIH1567	0	Clean & Green Technology
40	Ministry of Jal Shakti	GOBARdhan	Hardware	SIH1568	0	Clean & Green Technology
41	Ministry of Jal Shakti	Personalized testing kits for testing Residual Chlorine level, Residual Silver ion level and/or Bacteriological contamination at delivery points	Hardware	SIH1569	0	Smart Automation
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	Shakti	development of a pressure transducer based equipment with a well cap for measurement of heads in autoflow wells				
43	Ministry of Jal Shakti	Drone-based Intelligent ET sensing system and irrigation water use accounting system for irrigation commands.	Hardware	SIH1571	0	Robotics and Drones
44	Ministry of Power	Design/Development of an efficient Energy Storage System (ESS) to integrate intermittent Renewable Energy sources and to support/stabilize the grid.	Hardware	SIH1572	0	Renewable / Sustainable Energy
45	Ministry of Power	Sustainable Utilization of 100% of Ash from Coal based Thermal Power Plants.	Hardware	SIH1573	0	Renewable / Sustainable Energy
46	Ministry of Power	Build a detailed concept for an industrial scale green hydrogen (> 50 TPD) production facility, with a levelized cost of hydrogen (LCOH) below $2 USD per kg.	Hardware	SIH1574	0	Clean & Green Technology
47	Ministry of Power	Developing innovative solution for efficient management of waste and conversion to valuable products, Waste to Energy- waste recycling	Hardware	SIH1575	0	Clean & Green Technology
48	Ministry of Power	Reducing the carbon emissions from thermal plants, developing ways of Carbon capture and utilisation through value added products	Hardware	SIH1576	0	Clean & Green Technology
49	Ministry of Power	Development of co-electrolyzer : which would synthesize organic chemicals like methanol and inorganic chemicals like ammonia in a single stage.	Hardware	SIH1577	0	Clean & Green Technology
50	Ministry of Social Justice and Empowerment	Video call intercom based on analog/IP system with vibration sensor	Hardware	SIH1578	0	Miscellaneous
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	Justice and Empowerment	and writing pad for children with Specific learning disability.				Education
52	Ministry of Social Justice and Empowerment	Wearable sensor with Artificial Intelligence for prevention of falls in elderly people	Hardware	SIH1580	0	MedTech / BioTech / HealthTech
53	Ministry of Social Justice and Empowerment	Development of cost-effective myoelectric prosthesis.	Hardware	SIH1581	0	MedTech / BioTech / HealthTech
54	The Ministry of Housing and Urban Affairs	System to check the healthiness of earthing system and alert staff in case of any malfunction;	Hardware	SIH1582	0	Miscellaneous
55	The Ministry of Housing and Urban Affairs	Condition-based monitoring and maintenance system.	Hardware	SIH1583	0	Miscellaneous
56	The Ministry of Housing and Urban Affairs	AI based acoustic wave monitoring of rail defects like cracks, fracture and prediction for rail wear, quality along with other parameter.	Hardware	SIH1584	0	Transportation & Logistics
57	The Ministry of Housing and Urban Affairs	Development of Portable EMI/EMC, induction measurement Instruments.	Hardware	SIH1585	0	Miscellaneous
58	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1586	0	Smart Education
59	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1587	0	Disaster Management
60	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1588	0	Miscellaneous
61	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1589	0	Blockchain & Cybersecurity
62	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1590	0	Renewable / Sustainable Energy
63	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1591	0	Transportation & Logistics
64	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1592	0	Clean & Green Technology
65	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1593	0	Robotics and Drones
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		Student Innovation				& Logistics
67	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1595	0	Smart Vehicles
68	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1596	0	Agriculture, FoodTech & Rural Development
69	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1597	0	MedTech / BioTech / HealthTech
70	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1598	0	Heritage & Culture
71	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1599	0	Fitness & Sports
72	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1600	0	Smart Automation
73	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1601	0	Toys & Games
74	AICTE, MIC-Student Innovation	Student Innovation	Software	SIH1602	0	Space Technology
75	Autodesk	Research and develop a design on " autonomous water surface cleaning robot "	Software	SIH1603	0	Robotics and Drones
76	Bharat Electronics Limited (BEL)	Conversational Image Recognition Chatbot	Software	SIH1604	0	Smart Automation
77	Bharat Electronics Limited (BEL)	Women Safety Analytics – Protecting Women from safety threats	Software	SIH1605	0	Miscellaneous
78	Bharat Electronics Limited (BEL)	Micro-Doppler based Target Classification	Software	SIH1606	0	Robotics and Drones
79	Department of Science and Technology	A smart AI based solution for traffic management on routes with heavy traffic from different directions, with real-time monitoring and adaptation of traffic light timings	Software	SIH1607	0	Smart Automation
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	Gujarat	and Management of Research, IPR, Innovation, and Start-ups in Gujarat State				Education
81	Government of Gujarat	Implementation of the Alumni Association platform for the University/Institute.	Software	SIH1609	0	Smart Education
82	Government of Gujarat	Learning App for Deaf And Mute and sign language-English/Gujarati converter	Software	SIH1610	0	Smart Education
83	Government of Himachal Pardesh	Drone-Based Intelligent System for Apple Orchard Management in Himachal Pradesh	Software	SIH1611	0	Agriculture, FoodTech & Rural Development
84	Government of NCT of Delhi	Automated Bus Scheduling and Route Management System for Delhi Transport Corporation	Software	SIH1612	0	Smart Vehicles
85	Government of NCT of Delhi	Automated System for Career Advancements of the Faculties of Higher Education	Software	SIH1613	0	Smart Education
86	Government of NCT of Delhi	Publications summary generator for faculty members profile building	Software	SIH1614	0	Smart Education
87	Government of NCT of Delhi	Learning path dashboard for enhancing skills	Software	SIH1615	0	Smart Education
88	Government of NCT of Delhi	The technological solutions for capturing AQI values through mobile and other forms of stations	Software	SIH1616	0	Clean & Green Technology
89	Government of NCT of Delhi	Dynamic route rationalization model based on machine learning/AI would be required based on real-time traffic and road parameters.	Software	SIH1617	0	Smart Automation
90	Government of NCT of Delhi	Online monitoring of Unauthorized construction across the city	Software	SIH1618	0	Robotics and Drones
91	Government of NCT of Delhi	Online real-time survey and monitoring of water bodies in Delhi	Software	SIH1619	0	Miscellaneous
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	NCT of Delhi	availability of beds/ admission of patients. A hospital based solution is ideal which can be integrated with city wide module				BioTech / HealthTech
93	Government of NCT of Delhi	Online testing and monitoring of quality of medicines and consumables	Software	SIH1621	0	MedTech / BioTech / HealthTech
94	Government of NCT of Delhi	Online issuance of Caste and other certificates by Revenue Department need real-time monitoring	Software	SIH1622	0	Smart Automation
95	Government of NCT of Delhi	real-time monitoring and evaluation software for application received in Fire Department relating to inspections, follow-ups, issue of NOCs	Software	SIH1623	0	Smart Automation
96	Government of NCT of Delhi	To develop an Artificial Intelligence (AI) based model for electricity demand projection including peak demand projection for Delhi Power system	Software	SIH1624	0	Smart Automation
97	Government of NCT of Delhi	Smart Classroom Management Software for Enhanced Learning Environments	Software	SIH1625		Smart Automation
98	Government of NCT of Delhi	Health Data Information & Management System Mobile Application (HDIMS)	Software	SIH1626	0	MedTech / BioTech / HealthTech
99	Government of NCT of Delhi	Drug Inventory and supply chain Tracking system	Software	SIH1627	0	MedTech / BioTech / HealthTech
100	Government of Punjab	Smart Competency Diagnostic and Candidate Profile Score Calculator	Software	SIH1628	0	Smart Education
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