

## SIH Problem Statements (Software Category)

S. No.	P S Number	Domain Bucket	Problem Statement title	Organisation
1	AD358	Sustainable Environment	GIS BASED FLOOD RISK ASSESSMENT	Education department Gujarat
2	AD358	Software - Web App development	Road maintenance record-keeping system	Education department Gujarat
3	AG343	Energy / Renewable Energy	Renewable Energy forecasting, for an integrated smart grid	MathWorks
4	AG51	Waste Management	Smart Management of Food Storage and Waste Reduction	ment of Scientific and Industrial Research
5	AJ128	Energy / Renewable Energy	Technological advances for Retail Outlets	Ministry of Petroleum and Natural Gas
6	AJ129	Smart Communication	Technological advances for Retail Outlets	Ministry of Petroleum and Natural Gas
7	AK10	Software - Web App development	Rating an Airport Mapping Database	Airports Authority of india
8	AK11	Software - Web App development	A web based software is sought for fail-free operations of various CNS/ATM facilities, preventive maintenance is carried out on daily, weekly, monthly, six-monthly and annual basis.	Airports Authority of india
9	AK12	Software - Mobile App development	A Mobile based Inventory Management System using QR code application	Airports Authority of india
10	AK14	Software - Web App development	A visual Dashboard based on data analytics for percentage utilization of Airport facilities and utilities using IOT.	orts Authority of india
11	AK14	Software - Mobile App development	An Mobile based Dwell time Management System using IOT.	Airports Authority of india
12	AK15	Software - Web App development	Knowledge Management System through Block Chain	Airports Authority of india
13	AK16	Software - Mobile App development	Mobile Application based Passenger facilitation System using Artificial Intelligence and Machine learning	Airports Authority of india
14	AK209	Software - Web App development	Creating Ability to Server Logs Management for Analysis & Report of Heterogeneous Servers	BEML Limited
15	AK210	Smart Vehicles	Design of Energy Efficient Regenerative Hydraulic System for 100 Ton Excavator	BEML Limited
16	AK211	Smart Vehicles	BH60M and BH100 with Electronic Transmission	BEML Limited

17	AK9	Software - Web App development	Developing a Software Tool to aid Search and Rescue by Calculating and Plotting Search Area from the Last Known Position of a Missing Aircraft.	Airports Authority of india
18	AM289	Travel and Tourism	Atithi Devo Bhava	Cisco DEVNET
19	AM291	Software - Mobile App development	Mid-Day Meal Analytics	Cisco DEVNET
20	AN314	Healthcare & Biomedical Devices	Antimicrobial Stewardship Platform	Amazon Web Services
21	AN316	Waste Management	AgriTech: Stubble aggregation and disposal	Amazon Web Services
22	AN317	Travel and Tourism	Tourism simplified through voice	Amazon Web Services
23	AN319	Healthcare & Biomedical Devices	Elderly care system	Amazon Web Services
24	AP63	Healthcare & Biomedical Devices	Voice Prescription	Bajaj Fin Serv
25	AR244	Software - Web App development	Automated Inspection of manufacturing Process	National Jute Board, Min of Textiles
26	AR245	Software - Web App development	Software to track the goods through its delivery path and ensure safe delivery	National Jute Board, Min of Textiles
27	AR247	Software - Web App development	Solution For Implementing and tracking of certified jute seeds packaging from the suppliers to jute farmers in india.	National Jute Board, Min of Textiles
28	AR251	Smart Textiles	Tracking the jute sacking bags production/procurement across the value chain	National Jute Board, Min of Textiles
29	AR251	Security & Surveillance	Integrating identification of HS Codes and LCS checking at the International borders and improving the surveillance system.	National Jute Board, Min of Textiles
30	AR253	Software - Web App development	Assessment of income generation of the jute farmers, jute mills workers in the jute sector through web portal	National Jute Board, Min of Textiles
31	AR256	Software - Web App development	Artificial Intelligence based solution which may calculate the probability of future market trend on the basis of past years data and suggest a suitable pricing model for sale of cotton	National Jute Board, Min of Textiles
32	AS118	Software - Mobile App development	Positive psychology games (Mobile/Computer) which will help develop a. Respect for rights and dignity of women and children b. Promote objectives of Beti Bachao Beti Padao(BBBP).	Ministry of Women and Child Development
33	AS119	Software - Web App development	Disruptive innovation for women empowerment	Ministry of Women and Child Development

34	AS120	Miscellaneous	Effective use of Cyber Space and Cyber Technology to prevent violence against and trafficking of women and children	Ministry of Women and Child Development
35	AS121	Software - Web App development	Innovative online tool for protection of Child Rights	Ministry of Women and Child Development
36	AS123	Software - Web App development	Innovative online tools for comprehensive financial inclusion of women	Ministry of Women and Child Development
37	AS123	Software - Mobile App development	Innovative apps for women safety specially in cyber space	Ministry of Women and Child Development
38	AS124	Software - Web App development	Promoting holistic nutrition among women and children through/with the help of IT for Poshan Abhiyaan	Ministry of Women and Child Development
39	AS33	Software - Web App development	Management Information System (MIS) software for IMOs	Ministry of Women and Child Development
40	AS34	Finance	Book-keeping and Accounting software for IMOs	Ministry of Women and Child Development
41	AS37	Finance	In PFMS implementation, NGOs registration may be approved by the concerned Ministry within a specific period. Otherwise, it should be deleted/rejected automatically by the PFMS portal itself. So that fresh registration can be done again by the implementing agency. For committed expenditure like salaries, pensions etc, direct link for sanction and release of funds to the Autonomous bodies to be made on quarterly basis. However, while considering final release UC/Account and UB should be taken care of.	Ministry of Women and Child Development
42	AS38	Sustainable Environment	Rain harvesting facility may be made compulsory in all the Govt./Govt. funded buildings. Funds for this purpose may be made allocated/released	Ministry of Women and Child Development
43	AS39	Software - Web App development	In GeM Portal, provision for customization of terms and conditions for Annual Maintenance Contract of services as per the need of the services required by the organisation may be created.	Ministry of Women and Child Development

44	BC77	Software - Mobile App development	Every part of our country is very rich in its heritage and culture. However, awareness about the same can be increased among the local residents. What needs to be done increase the ownership amongst the citizens towards the heritage (both tangible and intangible)?	Ministry of Housing and Urban Affairs
45	BC77	Healthcare & Biomedical Devices	People come to cities because of better health facilities. What should be done to improve the health facilities in the city and also provide equitable access for all?	Ministry of Housing and Urban Affairs
46	BC78	Smart Cities	Disasters act as a shock to density. Considering the Cities of tomorrow, what should be done?	Ministry of Housing and Urban Affairs
47	BC79	Finance	Cities provide more opportunities for people to grow economically. However, these opportunities are unequal because of knowledge asymmetry. How can we ensure that people have more equal access to better economic opportunities/ jobs?	Ministry of Housing and Urban Affairs
48	BK170	Food Technology	App Development on Food Processing Problems	Ministry of Food Processing Industries
49	BK225	Energy / Renewable Energy	Process Modeling	GAIL
50	BK225	Energy / Renewable Energy	Blockchain Powered Procurement System for GAIL	GAIL
51	BK226	Energy / Renewable Energy	Design of alarms management and analytics	GAIL
52	BK263	Agriculture and Rural Development	Auto Climate Monitoring System	Central Warehousing Corporation
53	BN147	Smart Vehicles	Ultra Compact Personalized Flying Vehicle	Autodesk
54	CB31	Security & Surveillance	Create an affordable solution through image processing of number plates of vehicles for the detection, identification and monitoring of vehicles in different scenarios such as residential societies, tolls, business complex, parking spaces etc.	MIXORG
55	CH46	Healthcare & Biomedical Devices	Gamification for Health data collection	Bajaj Fin Serv
56	CK115	Security & Surveillance	Identification of optimal set of multiple interceptor launch areas to maximise the destruction of multiple air targets	Dte of IT & Cyber Security, DRDO
57	CK116	Miscellaneous	Tool to recover Flash memory data	Dte of IT & Cyber Security, DRDO

58	CK132	Smart Communication	Timing error estimation and matched filtering are crucial processing blocks in a communication receiver. The problem is like looking for the occurrence of a known signal in the observed/measured signal, which is noisy and distorted. This nature of problem makes it best suited for intelligent approach, as human brain invariably solves this kind of problem in day-to-day life. Classical techniques like maximum likelihood, Early-Late, Gardner and Muller approaches have been successfully implemented. However, it is perceived that machine learning techniques will outperform the classical approaches and this fact needs to be researched. The neural network shall use minimum computation and converge fast for practical and real-time implementation. If the results are promising, it can be applied for military and commercial radars.	Dte of IT & Cyber Security, DRDO
59	CK139	Software - Web App development	Indoor Navigation App	Dte of IT & Cyber Security, DRDO
60	CK146	Miscellaneous	CAPTCHA/alternative solution for Visually impaired	Dte of IT & Cyber Security, DRDO
61	DA178	Security & Surveillance	How to prevent cheating in exams?	CBSE
62	DA192	Software - Mobile App development	App for online OPD appointment & Hospital Information System	All India Institute of Ayurveda - Ministry of AYUSH
63	DB126	Miscellaneous	Simplification of the process of e-tendering in EVC (electronic verification code) system, replacing Digital Signature Certificate by Aadhaar based OTP.	Tripura Institute of Technology
64	DK1	Software - Web App development	NYKS requires a software / Mobile through which we may take attendance of the Officers who are working in the different districts and States across the country.	Ministry of Youth Affairs & Sports
65	DK180	Miscellaneous	Job recommender system. To design a software application for assessing the abilities of a student with respect to employability.	Govt of Puducherry

66	DK181	Smart Education	Domain specific Learner facilitator Assist Software Given a learning resource the application should assist the learner in preparing for exams. For the facilitator the teaching material should be prepared automatically. The learning resource could be electronic materials on a particular subject.	Govt of Puducherry
67	DK182	Smart Education	"Bibliophile Companion - A companion similar to an active agent, that helps the reader to organize and retrieve the highlighted text, book marked page and credentials of the content source in cloud across heterogeneous platforms, gadgets and applications. "	Govt of Puducherry
68	DK287	Healthcare & Biomedical Devices	Mobile game for Alzheimer's Disease detection	Yamaha Motor Solution India Pvt Ltd
69	DK454	Robotics & Drones	AGV Path Calculator	Yamaha Motor Solution India Pvt Ltd
70	DM83	Agriculture and Rural Development	Assessment of land holding pattern, source of irrigation, cropping pattern and depth of the wells in different parts of the country	Central Ground Water Board, Ministry of Jal Shakti
71	DM84	Miscellaneous	Data analytics to provide complete solution for groundwater management for the country	Central Ground Water Board, Ministry of Jal Shakti
72	DN260	Software - Web App development	E -Marketplace (Like Amazon, flipkart) wherein tribals can promote, market and sell tribal produce such as handicrafts, arts, paintings, minor forest products etc. on line with provision of delivery and e-payment and promotional discounts.	Ministry of Tribal Affairs
73	DN262	Miscellaneous	Development of repository of tribal youth talent from various areas such as sports, arts, paintings, dance, culture, social service or any specific area.	Ministry of Tribal Affairs
74	DR111	Software - Web App development	Alumni Tracking System	Govt of Goa
75	DR112	Software - Mobile App development	Pothole Challenge	Govt of Goa
76	DR113	Software - Mobile App development	Stray Cattle Challenge	Govt of Goa
77	DR135	Travel and Tourism	Virtual Tourist Guide	Govt of Goa

78	DS157	Agriculture and Rural Development	Software for computerization of farmer, land details along with beneficiary schemes details	Dr. B R Ambedkar Institute of Technology
79	DS159	Software - Web App development	Court Case Management software	Dr. B R Ambedkar Institute of Technology
80	DS163	Sustainable Environment	Android App for Geo-tagging location of wildlife and forest offence and sighting of wildlife in the forest areas	Dr. B R Ambedkar Institute of Technology
81	DS164	Miscellaneous	Development of App to capture the field patrolling track of frontline staff in their forest beat jurisdiction	Dr. B R Ambedkar Institute of Technology
82	DS165	Smart Education	Library software for Andaman College	Dr. B R Ambedkar Institute of Technology
83	DS168	Software - Web App development	Computerized fee collection and Transfer Certificate Module	Dr. B R Ambedkar Institute of Technology
84	DS170	Smart Cities	Incentivized Tech Bin	Dr. B R Ambedkar Institute of Technology
85	DS171	Sustainable Environment	Paperless Office	Dr. B R Ambedkar Institute of Technology
86	DS90	Travel and Tourism	A Mobile App with Virtual Reality Based Gallery for Heritage Museums of Andaman & Nicobar Islands	Dr. B R Ambedkar Institute of Technology
87	GL32	Smart Education	Attention Span Detection in Online Instructor Led Sessions	Great Learning
88	IC460	Energy / Renewable Energy	Energy/ Renewable energy	MIC
89	IC462	Finance	Finance	MIC
90	IC463	Smart Cities	Smart Cities	MIC
91	IC464	Smart Communication	Smart Communication	MIC
92	IC465	Agriculture and Rural Development	Agriculture & Rural Development	MIC
93	IC466	Travel and Tourism	Travel	MIC
94	IC467	Smart Textiles	Smart Textiles	MIC
95	IC469	Smart Vehicles	Smart Vehicles	MIC
96	IC469	Sports and Fitness	Sports & Fitness	MIC
97	IC470	Sustainable Environment	Sustainable environment	MIC
98	IC471	Healthcare & Biomedical Devices	Healthcare & Biomedical devices	MIC
99	IC472	Security & Surveillance	Security & Surveillance	MIC
100	IC473	Miscellaneous	Miscellaneous	MIC
101	IC474	Smart Education	Smart Education	MIC

102	KB141	Software - Web App development	Design State Research Portal, a single point securely hosted solution to seamlessly integrate search and manage all the research activities	Government of Andhra Pradesh
103	KB145	Software - Web App development	AI and OCR - To search Telugu & Urdu words in PDF present in Unicode as well as in image format	Government of Andhra Pradesh
104	KB185	Software - Mobile App development	Design of GPS enabled online Academic monitoring system to track the classroom transaction and to provide feedback and the review to the teachers to improve their pedagogical practices by the monitoring authorities.	Government of Andhra Pradesh
105	KB186	Smart Communication	solutions required to solve the challenges faced by Law Investigating Officers (LEOs) in Cyber Crimes:	Government of Andhra Pradesh
106	KB189	Sustainable Environment	APPCB looks forward to bringing in all polluting industries in the state to enhance the existing system more transparent and effective monitoring of emissions and effluents. APPCB envisages implementing Internet of Things (IoT) technology for obtaining of authentic and reliable data directly from the analyzers installed at the industry rather than the data from the intermediary system.	Government of Andhra Pradesh
107	KB194	Agriculture and Rural Development	Livestock Ownership Database	Government of Andhra Pradesh
108	KB196	Healthcare & Biomedical Devices	Livestock Health Database	Government of Andhra Pradesh
109	KB199	Smart Communication	Disease Reporting System	Government of Andhra Pradesh
110	LN379	Smart Communication	Development of IoT based advance Public Address and Flood Warning Systems across all Hydro Power project areas.	Ministry of Power
111	LN382	Miscellaneous	Monitoring the battery life of Electric Vehicles.	Ministry of Power
112	LN384	Software - Web App development	Auto fetching of regulatory compliance data of power sector stake holders for analysing and reporting purpose	Ministry of Power
113	MK199	Agriculture and Rural Development	Automatic Assessment of Pavement condition based on road photographs	Ministry of Rural Development



114	MK200	Software - Web App development	Automation mechanism for image capturing, processing, standardization, evaluation, classification leading to better decision making results for various programs	Ministry of Rural Development
115	MK202	Software - Web App development	Streamlining of Reporting Framework for MGNREGA reports	Ministry of Rural Development
116	MK203	Software - Web App development	Intelligent attendance solution for MGNREGA workers	Ministry of Rural Development
117	MK204	Software - Web App development	Geography based analysis for noise identification in large and complex data gathered	Ministry of Rural Development
118	MK205	Software - Web App development	Making websites meaningful for differently Abled citizens with open source tools	Ministry of Rural Development
119	MK206	Software - Mobile App development	Non network intensive record keeping system for SHG	Ministry of Rural Development
120	MK207	Agriculture and Rural Development	One Nation – One Citizen – One Pension – Identify citizens receiving multiple benefits like pensions under different schemes of the centre and state, such as NPS, NSAP Schemes, PMSYM and State level schemes	Ministry of Rural Development
121	MK208	Software - Web App development	Mechanism for linking of works under convergence in Rurban with multiple DBs (e.g.: MGNREGS, PMUY, DDU-GKY, PMAY, SAGY etc.)	Ministry of Rural Development
122	MK21	Software - Mobile App development	Upgradation of Jan-Dhan Darshak App	Department of Financial Services
123	MK23	Software - Mobile App development	Development of Information App for Alert on Financial Matters	Department of Financial Services
124	MK91	Healthcare & Biomedical Devices	Primary health care in remote areas using Cloud medicine and Diagnostic Services	Gov of Uttarakhand
125	MK95	Software - Web App development	National Web Portal is used for designing Job oriented courses with the help of Human Resource data and desirable skill sets from industries.	Gov of Uttarakhand
126	MS331	Security & Surveillance	Face, expression and gesture recognition and compilation in database software	Govt. of Madhya Pradesh
127	MS332	Security & Surveillance	Textile (clothes) recognition and compilation in database software	Govt. of Madhya Pradesh
128	MS333	Software - Web App development	Vehicle recognition and compilation in database software	Govt. of Madhya Pradesh
129	MS335	Security & Surveillance	Baggage and other accessories recognition and compilation in database software	Govt. of Madhya Pradesh

130	MS335	Security & Surveillance	Identification of suspects based on their gestures, gait, BMI (Body Mass Index) and motions or objectionable/ illegal/ improper behavior and gesture of the police (Datasets will be provided on request)	Govt. of Madhya Pradesh
131	MS336	Software - Web App development	Developing Virtual Police Station to receive FIR with OCR based digital signature authenticated through digital signature (Aadhar Number based authentication).	Govt. of Madhya Pradesh
132	MS337	Software - Web App development	Converting typed or printed document images (photos) to legible text documents and storing the critical information in a database and protecting the digital image with # value so that document is admissible as evidence.	Govt. of Madhya Pradesh
133	MS338	Software - Web App development	Converting hand written documents as scanned images or photos (in any format) to legible text document using AI extracting important and critical information into database.	Govt. of Madhya Pradesh
134	MS339	Software - Mobile App development	Web, portal and Apps for facilitating reporting of offences for registration of FIR with provision OCR based signature along with Aadhar based digital signature	Govt. of Madhya Pradesh
135	MS340	Software - Web App development	Requisitioning of data, information and documents	Govt. of Madhya Pradesh
136	MS342	Software - Mobile App development	App based portrait building system	Govt. of Madhya Pradesh
137	MS451	Agriculture and Rural Development	Food processing	gnizant Technology Solutions India Pvt. Ltd
138	MU455	Software - Web App development	Sentiment Analysis of Code-Mixed Languages	Bharat Electronics Limited , Bengaluru
139	MU457	Miscellaneous	Open set Language Diarization for Indian Languages audio data	Bharat Electronics Limited , Bengaluru
140	NH447	Security & Surveillance	Authenticating User while performing transaction at ATM/POS Terminal Securely	NCR Corporation (India) Private Limited
141	NM370	Software - Mobile App development	Air/Water turbidity estimation mobile app	Indian Space Research Organisation (ISRO)
142	NM371	Sustainable Environment	Automated mapping of trees/farms in satellite image	Indian Space Research Organisation (ISRO)
143	NM373	Agriculture and Rural Development	Extraction of crop cycle parameters from multi-temporal data	Indian Space Research Organisation (ISRO)

144	NM373	Energy / Renewable Energy	Detecting clouds and predicting their movement from INSAT imagery	Indian Space Research Organisation (ISRO)
145	NM374	Miscellaneous	Nowcasting of Meteorological Satellite Images using AI/ML techniques	Indian Space Research Organisation (ISRO)
146	NM377	Software - Mobile App development	Web-map data visualization using augmented reality globe	Indian Space Research Organisation (ISRO)
147	NM378	Software - Mobile App development	AI based crop identification mobile app	Indian Space Research Organisation (ISRO)
148	NM380	Software - Mobile App development	App for recording and playing geo tagged videos	Indian Space Research Organisation (ISRO)
149	NM381	Software - Mobile App development	App for identification of sky regions in a photo	Indian Space Research Organisation (ISRO)
150	NM383	Security & Surveillance	Drone route planning	Indian Space Research Organisation (ISRO)
151	NM385	Software - Mobile App development	Virtual reality based Earth/Moon explorer	Indian Space Research Organisation (ISRO)
152	NM386	Sustainable Environment	Automated land use classification using AI/ML	Indian Space Research Organisation (ISRO)
153	NM387	Miscellaneous	GNSS Reflected Signal Coverage Simulator	Indian Space Research Organisation (ISRO)
154	NM388	Miscellaneous	Hyperspectral image analysis tool	Indian Space Research Organisation (ISRO)
155	NM389	Software - Web App development	Web based volume rendering and 3D/4D visualization of Model Forecast	Indian Space Research Organisation (ISRO)
156	NM390	Miscellaneous	AI/ML based system for deriving value added parameters using satellite surface observations	Indian Space Research Organisation (ISRO)
157	NM391	Miscellaneous	Reconstruction of missing data in Satellite Imagery	Indian Space Research Organisation (ISRO)
158	NM392	Miscellaneous	Depth Estimation of Valles Marineris using ISRO's Mars Color Camera (MCC) images	Indian Space Research Organisation (ISRO)
159	NM393	Miscellaneous	Field Data Analysis and Automated feature validation from crowd sourced field photos;	Indian Space Research Organisation (ISRO)
160	NM395	Sustainable Environment	Air pollution hot spots detection and identifying the source trajectories using ML/AI techniques	Indian Space Research Organisation (ISRO)
161	NM395	Sustainable Environment	Identify shifting cultivation locations in dense temporal stacks	Indian Space Research Organisation (ISRO)
162	NM396	Miscellaneous	Sentiment Analysis from text feedback:	Indian Space Research Organisation (ISRO)
163	NM397	Miscellaneous	Voice command driven Web-GIS Applications (mobile/ desktop)	Indian Space Research Organisation (ISRO)

164	NM398	Sustainable Environment	Change detection and extraction of information / features of interest in RS images using time series information	Indian Space Research Organisation (ISRO)
165	NM399	Miscellaneous	Efficient Communication scheme for Human Space Flight Programme	Indian Space Research Organisation (ISRO)
166	NM400	Miscellaneous	Link Adaptive Speech Compression scheme for Human Space Flight Programme	Indian Space Research Organisation (ISRO)
167	NM401	Miscellaneous	Blind Scrambling Code Identification	Indian Space Research Organisation (ISRO)
168	NM402	Miscellaneous	Efficient Header Compression technique for IP based communication over Satellite network	Indian Space Research Organisation (ISRO)
169	NM403	Miscellaneous	Customized Web-based animation for data cube, volume rendering and time series data visualization	Indian Space Research Organisation (ISRO)
170	NM405	Miscellaneous	Size Invariant Ship detection from SAR Images	Indian Space Research Organisation (ISRO)
171	NM405	Software - Mobile App development	Processing, visualization and application development of raw GNSS data on Android Smartphones:	Indian Space Research Organisation (ISRO)
172	NM406	Miscellaneous	Ethical hacking for extraction of restricted GNSS signal features	Indian Space Research Organisation (ISRO)
173	NS269	Agriculture and Rural Development	Estimation of crop progression	Govt. of Bihar (DOA)
174	NS270	Agriculture and Rural Development	Estimation of crop yield using modern ICT tools which is quick and reliable for making a realistic plan for procurement and to compensate farmers for yield loss if any.	Govt. of Bihar (DOA)
175	NS275	Agriculture and Rural Development	Develop a real time land usage monitoring tool using satellite data and artificial intelligence etc	Govt. of Bihar (DOA)
176	PC86	Healthcare & Biomedical Devices	Fiducial localization for pre-operative planning in neurosurgery	Department of Atomic Energy
177	PC87	Smart Communication	Network routing protocol for infrastructure less gateway devices in man-made emergency situations.	Department of Atomic Energy
178	PD150	Miscellaneous	Problem Statement From PDUNIPPD (Software)	Department of Empowerment of Persons with Disabilities, Ministry of Social Justice and Empowerment

179	PG179	Software - Mobile App development	Know your Ghats mobile app facilitating general public use information on Ghats/crematoria existing along Ganga and its tributaries.	National Mission for Clean Ganga, DoWR, RD & GR, Ministry of Jal Shakti
180	PJ239	Software - Mobile App development	To develop an app and SMS based application which can register the grey market complaint	Ministry of Communications
181	PJ240	Software - Mobile App development	Development of platform for dialing single emergency no SDC (Short digit code)	Ministry of Communications
182	PK366	Energy / Renewable Energy	Remote Sensing /Satellite Imagery Application to Find Naturally Occurring Depression(s) Sites For Pump Storage Projects (PSP's)	Ministry of Power
183	PK367	Security & Surveillance	Integrated Automatic Flood Warning and alert system using IOT	Ministry of Power
184	PK368	Smart Vehicles	Solution For Predictive Maintenance and Battery Life saver for Electric Vehicles	Ministry of Power
185	PK409	Agriculture and Rural Development	Estimation of crop yield using modern ICT tools which is quick and reliable for making a realistic plan for procurement and to compensate farmers for yield loss if any.	Govt. of Bihar (DOA)
186	PK413	Agriculture and Rural Development	Develop a real time land usage monitoring tool using satellite data and Artificial intelligence etc.	Govt. of Bihar (DOA)
187	PK414	Agriculture and Rural Development	Developing an e-enabled real time produce life cycle monitoring & sharing mechanism to enhance output realization to farmers through private sector participation and DBT	Govt. of Bihar (DOA)
188	PK416	Agriculture and Rural Development	Enabling transparent price discovery and forecasting of crop arrival along with management and utilization of price stabilization funds in the case of agri - commodities	Govt. of Bihar (DOA)
189	PK417	Agriculture and Rural Development	Developing a system or solution to provide a customized and precise land parcel specific fertilizer and input usage plan to reduce cost and maximize returns for the farmers	Govt. of Bihar (DOA)
190	PR425	Agriculture and Rural Development	Mobile App for sharing or pooling of transport for agricultural produce to market	Department of Science and Technology
191	PR430	Smart Cities	Unusual event detection from surveillance video shots	Department of Science and Technology
192	PU131	Miscellaneous	PREDICTION OF TARIFF RATE	TCI

193	RA24	Smart Vehicles	Vehicle Maintenance Index- In Today's world with so many cars, models in the market, it is hard to find out which car has a high maintenance cost/index that is authentic source.	CDK Global
194	RA25	Smart Communication	Better and faster emergency care during accidents and vehicle impact.	CDK Global
195	RA26	Waste Management	Geo Tracking of Waste and Triggering Alerts and Mapping Areas with High Waste Index	CDK Global
196	RA27	Agriculture and Rural Development	Portal for Farmers to sell the produce at a better rate	CDK Global
197	RA28	Agriculture and Rural Development	Crop Guidance and Farmers Friend • Problem Title : Helping the farmers in terms of Crop suggestion, precautions based on the met department forecast of rain fall / weather, potential pest attacks , weather warnings etc.	CDK Global
198	RK304	Security & Surveillance	Tracking & Tracing of Fake News	Bureau of Police Research & Development
199	RK305	Security & Surveillance	Detection of Malicious Content/Web Links related to Cyber Frauds	Bureau of Police Research & Development
200	RK306	Security & Surveillance	Detection of Malicious/Rogue/Honey-Trap Chatbot's at Social Media/other Web Platforms	Bureau of Police Research & Development
201	RK307	Security & Surveillance	Detection of Child Predators/Cyber Harassers on Social Media	Bureau of Police Research & Development
202	RK308	Software - Mobile App development	Real-Time Based Facial Recognition Systems	Bureau of Police Research & Development
203	RK309	Miscellaneous	Real-Time image processing and forensic verification of Fake Videos	Bureau of Police Research & Development
204	RK310	Security & Surveillance	Criminal/Suspect Profile Generator using OSINT Techniques:	Bureau of Police Research & Development
205	RK311	Security & Surveillance	Proxy & VPN Detector	Bureau of Police Research & Development
206	RK312	Software - Web App development	CDR/IPDR Data Visualizer	Bureau of Police Research & Development
207	RK54	Security & Surveillance	Identify Solution with respect to Inter State & Inter Country Criminals e.g. Using Identity Inputs	Bureau of Police Research & Development
208	RK55	Security & Surveillance	Criminal Navigation System/Extractor	Bureau of Police Research & Development

209	RK57	Security & Surveillance	Community oriented policing (Digital Policing)	Bureau of Police Research & Development
210	RK58	Security & Surveillance	Digital Solution to Combat Bribery & Justice Restoration System	Bureau of Police Research & Development
211	RK59	Security & Surveillance	Cyber Crime Prevention	Bureau of Police Research & Development
212	RK60	Security & Surveillance	Interactive map application for real time crime reporting	Bureau of Police Research & Development
213	SG293	Agriculture and Rural Development	MIS for Rural development Housing Scheme like Garib Awas Yojana along with GIS application	Govt.of Sikkim
214	SG295	Software - Mobile App development	SINGLE WINDOW MONITORING OF ALL RURAL DEVELOPMENT WELFARE SCHEMES	Govt.of Sikkim
215	SG296	Software - Web App development	Transparency and Safeguard measures in HR management	Govt.of Sikkim
216	SG297	Software - Web App development	Centralised Attendance Monitoring System of Employees of RMDD	Govt.of Sikkim
217	SG434	Software - Web App development	Data Storage and analytics with Dashboard	Govt.of Sikkim
218	SG436	Software - Web App development	Online STET (State Teacher Eligibility Test) Software or web portal.	Govt.of Sikkim
219	SK153	Miscellaneous	Embankment Mapping and Crowdsourced Health Card for Preventive Structural Measures	Central Water Commission, Ministry of Jal Shakti
220	SK156	Miscellaneous	Water Accounting in Irrigation Commands through Crowd Sourced Crop Mapping	Central Water Commission, Ministry of Jal Shakti
221	SM320	Software - Web App development	To Predict the Optimum Vessel Turnaround Time	Adani Port and SEZ Ltd
222	SM322	Software - Web App development	Seamless Invoicing and Reconciliation System	ani Port and SEZ Ltd
223	SM445	Finance	Data Mining Robot using AI / ML	FIS Global
224	SM446	Smart Communication	Jarvis (software robot assistant) for corporations	FIS Global
225	SR272	Software - Web App development	Development of online platform for mentoring Startups	Department of Information Technology and Bio Technology, Government of Karnataka
226	SS134	Security & Surveillance	Tracking and Control of inmate inside the Jail	Directorate of Technical Education Chandigarh
227	SS41	Healthcare & Biomedical Devices	Digital tracking of children of migrant population to follow-up on their health status and immunization services received/to be given.	Ministry of Health and Family Welfare

228	SS42	Healthcare & Biomedical Devices	Emergencies and disasters impact population's health. Public health plays a critical role in working with health and non-health sectors responsible for preparing for and responding to emergencies. In emergencies, a large numbers of people may require medical attention. Health care systems may be over-stretched, and public order may be threatened. Hence, use of social media in public health emergency response.	Ministry of Health and Family Welfare
229	SS43	Healthcare & Biomedical Devices	Use of AI based Chat bots for providing health related information	Ministry of Health and Family Welfare
230	SS443	Software - Web App development	Electric Vehicle (EV) Ecosystem	VMware Software India Pvt.Ltd.
231	SS45	Healthcare & Biomedical Devices	Leveraging block chain technology for creation of Electronic Health Record (EHR)	Ministry of Health and Family Welfare
232	UK149	Smart Vehicles	Warning System for Driver	ARAI
233	UK151	Smart Vehicles	Anti Theft Systems for 2 wheelers	ARAI
234	UP176	Healthcare & Biomedical Devices	Virtual Assistant for Medical Device	GE Healthcare
235	UP49	Healthcare & Biomedical Devices	Early Prediction of Sepsis from Clinical Data	GE Healthcare
236	VA47	Healthcare & Biomedical Devices	Lab Report Digitization / OCR	Bajaj Fin Serv