PROBLEM  
STATEMENT S  
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Hardware  
73  
Soft ware  
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1 Ministr y of  
Developm ent of  
North E astern  
RegionSmar t Communit y He alth Monit oring an d  
Early W arning System f or W ater-Bor ne  
Dise ases in Rur al Nor theast In diaSoft ware SIH2500 1 0 MedT ech /  
BioTech /  
HealthTech  
2 Ministr y of  
Developm ent of  
North E astern  
RegionSmar t Tourist Saf ety Monit oring & In cident  
Response S ystem usin g Al, Geo -Fencing,  
and Bloc kchain-b ased Digital IDSoft ware SIH2500 2 0 Travel &  
Tourism  
3 Ministr y of  
Developm ent of  
North E astern  
RegionLow-Cost smar t transpor tation solution f or  
Agri produc e from r emote farms t o nearest  
motorable r oad in NER RegionHardware SIH2500 3 0 Transpor tation  
& Logistics  
4 Ministr y of  
Fisheries, Animal  
Husb andry &  
Dair yinglmage b ased br eed r ecognition f or cat tle  
and buff aloes of In diaSoft ware SIH25004 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
5 Ministr y of  
Fisheries, Animal  
Husb andry &  
Dair yinglmage b ased Animal T ype Classiﬁcation f or  
cattle an d buff aloesSoft ware SIH25005 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
6 Ministr y of  
Fisheries, Animal  
Husb andry &  
Dair yingDevelopm ent of a Digital F arm  
Mana gem ent P ortal for lmplem entin g  
Biosecur ity ileasur es in P ig an d Poultry  
FarmsSoft ware SIH25006 0 Agriculture,  
FoodT ech &  
Rural  
Developm entS.No.  
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7 Ministr y of  
Fisheries, Animal  
Husb andry &  
Dair yingDevelopm ent of a Digital F arm  
Mana gem ent P ortal for Monit oring  
aximum Residue Limits (MRL) an d  
Antimicr obial Usa ge (AMU) in Liv estockSoft ware SIH2500 7 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
8 Government of  
PunjabDisast er Preparedness an d Response  
Education S ystem f or Sc hools an d CollegesSoft ware SIH25008 0 Disast er  
Mana gem ent  
9 Government of  
PunjabGamiﬁed En vironm ental E ducation  
Platf orm for Sc hools an d CollegesSoft ware SIH25009 0 Smar t  
Education  
10 Government of  
PunjabSmar t Crop A dvisor y System f or Small an d  
Marginal F armersSoft ware SIH250 10 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
11 Government of  
PunjabSmar t Curriculum A ctivity & A ttendance  
AppSoft ware SIH250 11 0 Smar t  
Education  
12 Government of  
PunjabAutomat ed A ttendance System f or Rur al  
SchoolsSoft ware SIH250 12 0 Smar t  
Education  
13 Government of  
PunjabReal-Time Public T ranspor t Tracking for  
Small CitiesSoft ware SIH250 13 0 Transpor tation  
& Logistics  
14 Government of  
PunjabWaste Segr egation Monit oring System f or  
Urban L ocal BodiesHardware SIH250 14 0 Clean & Gr een  
Technology  
15 Government of  
PunjabIntelligent P esticide Spr inklin g System  
Determin ed b y the Inf ection L evel of a  
PlantHardware SIH250 15 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
16 Government of  
PunjabAutomat ed Student A ttendance  
Monit oring an d Analy tics S ystem f or  
CollegesSoft ware SIH250 16 0 Smar t  
Education  
17 Government of  
PunjabDigital Platf orm for C entr alized Alumni  
Data Mana gem ent an d En gagem entSoft ware SIH250 17 0 Smar t  
Education  
18 Government of  
PunjabTelem edicin e Access f or Rur al He althcare  
in NabhaSoft ware SIH250 18 0 MedT ech /  
BioTech /  
HealthTech  
19 Government of  
PunjabDigital L earning Platf orm for Rur al Sc hool  
Students in NabhaSoft ware SIH250 19 0 Smar t  
Education  
20 Ministr y of  
Railw aysDevelopm ent of in digen ous c onta ctless  
Integrated T rack Monit oring Systems  
(ITMS) f or Track Rec ording on In dian  
Railw aysHardware SIH250 20 0 Smar t  
Automation  
21 Ministr y of  
Railw aysAI based de velopm ent of L aser b ased QR  
Code mar king on 'tr ack ﬁttings on In dian  
Railw ays'.Hardware SIH250 21 0 Transpor tation  
& Logistics  
22 Ministr y of  
Railw aysMaximizin g Sec tion Thr oughput Usin g Al-  
Powered P recise T rain T rafﬁc C ontr olSoft ware SIH250 22 0 Transpor tation  
& Logistics  
23 Ministr y of A yush AyurSutr a- Panchakarma P atient  
Mana gem ent an d th erapy schedulin g  
Soft wareSoft ware SIH250 23 0 MedT ech /  
BioTech /  
HealthTech  
24 Ministr y of A yush Compr ehensiv e Cloud-Based P ractice  
Mana gem ent & Nutr ient Analy sis Soft ware  
for A yurvedic Dietitians, T ailor ed for  
Ayurveda-F ocused Diet PlansSoft ware SIH250 24 0 MedT ech /  
BioTech /  
HealthTechS.No.  
↑ ↓Organization  
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25 Ministr y of A yush E tongue f or Dr avya identiﬁcation Hardware SIH250 25 0 MedT ech /  
BioTech /  
HealthTech  
26 Ministr y of A yush Develop AP I code t o int egrate NAMAS TE  
and or th e Int ernational Classiﬁcation of  
Dise ases (ICD -11) via th e Traditional  
Medicin e Module 2 ( TM2) int o existin g EMR  
systems that c omply with Elec tronic He alth  
Record (EHR) Stan dards for In dia.Soft ware SIH250 26 0 MedT ech /  
BioTech /  
HealthTech  
27 Ministr y of A yush Develop a bloc kchain-b ased s ystem f or  
botanical tr aceabilit y of A yurvedic h erbs,  
includin g geo -taggin g from th e point of  
collec tion (f armers/wild c ollec tors) to th e  
ﬁnal A yurvedic f ormulation label.Soft ware SIH250 27 0 Bloc kchain &  
Cyber secur ity  
28 Government of  
Jhar khan dSmar t Classr oom & T imetable Sc heduler Soft ware SIH250 28 0 Smar t  
Education  
29 Government of  
Jhar khan dAuthenticit y Validat or for A cademia Soft ware SIH250 29 0 Smar t  
Education  
30 Government of  
Jhar khan dAl-Based Cr op Rec omm endation f or  
FarmersSoft ware SIH250 30 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
31 Government of  
Jhar khan dCrowdsour ced Civic lssue Repor ting an d  
Resolution S ystemSoft ware SIH250 31 0 Clean & Gr een  
Technology  
32 Government of  
Jhar khan dDevelopm ent of a Smar t Digital Platf orm to  
Promote Eco & C ultural Tourism in  
Jhar khan dSoft ware SIH250 32 0 Travel &  
Tourism  
33 Ministr y of  
Corporate Aff airsAl-Based Smar t Allocation En gine for P M  
Internship Sc hemeSoft ware SIH250 33 0 Smar t  
Automation  
34 Ministr y of  
Corporate Aff airsAl-Based Int ernship Rec omm endation  
Engine for P M Int ernship Sc hemeSoft ware SIH250 34 0 Smar t  
Education  
35 Ministr y of  
Corporate Aff airsSentim ent analy sis of c omm ents r eceived  
through E -consul tation m oduleSoft ware SIH250 35 0 Misc ellan eous  
36 Ministr y of E arth  
Scien ces (MoES)Developm ent of Sensor f or Det ection Of  
Micr oplasticsHardware SIH250 36 0 Misc ellan eous  
37 Ministr y of E arth  
Scien ces (MoES)Developm ent of a lo w-cost cam era-based  
automat ed be ach san d gr ain siz e mappin g  
systemHardware SIH250 37 0 Misc ellan eous  
38 Ministr y of E arth  
Scien ces (MoES)Bloc kchain-Based Blue C arbon Registr y  
and MRV S ystemSoft ware SIH250 38 0 Clean & Gr een  
Technology  
39 Ministr y of E arth  
Scien ces (MoES)Integrated Platf orm for Cr owdsour ced  
Ocean Hazar d Repor ting an d Social Media  
Analy ticsSoft ware SIH250 39 0 Disast er  
Mana gem ent  
40 Ministr y of E arth  
Scien ces (MoES)FloatChat - AI-P owered C onversational  
Interface for ARGO Oc ean Data Disc overy  
and VisualizationSoft ware SIH25040 0 Misc ellan eous  
41 Ministr y of E arth  
Scien ces (MoES)AI-Dr iven Uniﬁed Data Platf orm for  
Oceanographic , Fisheries, an d Molecular  
Biodiv ersity InsightsSoft ware SIH2504 1 0 Ren ewable /  
Sustainable  
EnergyS.No.  
↑ ↓Organization  
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42 Ministr y of E arth  
Scien ces (MoES)Identif ying Taxonomy an d Assessin g  
Biodiv ersity from eDNA DatasetsSoft ware SIH2504 2 0 Misc ellan eous  
43 Ministr y of E arth  
Scien ces (MoES)Embedded Int elligent Micr oscopy System  
for Identiﬁcation an d Countin g of  
Micr oscopic Mar ine Or ganismsHardware SIH2504 3 0 Smar t  
Automation  
44 Government of  
OdishaAl-P owered Cr op Y ield P redic tion an d  
OptimizationSoft ware SIH25044 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
45 Government of  
OdishaBloc kchain-Based Supply Chain  
Transp arency for A gricultural Produc eSoft ware SIH2504 5 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
46 Government of  
OdishaSmar t Waste Segr egation an d Rec ycling  
SystemHardware SIH25046 0 Clean & Gr een  
Technology  
47 Government of  
OdishaDisast er Response Dr one for Rem ote Ar eas Hardware SIH2504 7 0 Robotics an d  
Drones  
48 Government of  
OdishaGamiﬁed L earning Platf orm for Rur al  
EducationSoft ware SIH2504 8 0 Smar t  
Education  
49 Government of  
OdishaAl-Dr iven Public He alth Chatbot f or Dise ase  
AwarenessSoft ware SIH2504 9 0 MedT ech /  
BioTech /  
HealthTech  
50 Government of  
OdishaSmar t Trafﬁc Mana gem ent S ystern for  
Urban C ongestionSoft ware SIH25050 0 Transpor tation  
& Logistics  
51 Government of  
OdishaRen ewable En ergy Monit oring System f or  
Micr ogridsHardware SIH25051 0 Ren ewable /  
Sustainable  
Energy  
52 Government of  
OdishaAR-Based C ultural Her itage P reser vation  
Platf ormSoft ware SIH2505 2 0 Heritage &  
Culture  
53 Ministr y of  
Consum er  
Affairs, Food &  
Public  
Distr ibution  
(MoC A,F&PD)Impr oved Onion st orage technology f or  
enhan cing sh elf lif e of onionsHardware SIH2505 3 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
54 Ministr y of  
Consum er  
Affairs, Food &  
Public  
Distr ibution  
(MoC A,F&PD)Automat ed High- Current Sh ort-Circuit T est  
System f or MCB t o comply with IE C 60898-  
1:2015Hardware SIH25054 0 Smar t  
Automation  
55 Ministr y of  
Consum er  
Affairs, Food &  
Public  
Distr ibution  
(MoC A,F&PD)Automat ed Specim en P reparation S ystem  
for testin g of C able samples as per IS 10810  
and IS 7 098.Hardware SIH2505 5 0 Misc ellan eous  
56 Ministr y of  
Consum er  
Affairs, Food &  
Public  
Distr ibution  
(MoC A,F&PD)To explor e new/altermativ e assa ying  
methods t o th e ﬁre assa y method for  
testin g of gold je weller y an d artefacts  
through n on-destruc tive testin gHardware SIH25056 0 Misc ellan eousS.No.  
↑ ↓Organization  
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57 Ministr y of  
Consum er  
Affairs, Food &  
Public  
Distr ibution  
(MoC A,F&PD)Automat ed C omplian ce Ch ecker for Legal  
Metr ology Dec larations on E -Comm erce  
Platf ormsHardware SIH2505 7 0 Misc ellan eous  
58 Ministr y of  
Consum er  
Affairs, Food &  
Public  
Distr ibution  
(MoC A,F&PD)Detection an d Prevention of T amper ing in  
Weighin g an d Me asur ing instrum entsHardware SIH25058 0 Misc ellan eous  
59 Ministr y of Social  
Justic e &  
Empo werment  
(MoSJE)Enhan cing Student A wareness on  
difference bet ween Aa dhaar link ed an d  
Direct Ben eﬁciar y Transf er(DBT) enabled  
Aadhaar seeded b ank a ccount .Soft ware SIH25059 0 Misc ellan eous  
60 Ministr y of Social  
Justic e &  
Empo werment  
(MoSJE)Real lif e solutions f or W aste Mana gem ent. Soft ware SIH25060 0 Clean & Gr een  
Technology  
61 Government of  
Sikk imDigitiz e an d Sh owcase Monast eries of  
Sikk im for Tourism an d Cultural  
Preser vationSoft ware SIH25061 0 Travel &  
Tourism  
62 Government of  
Sikk imImplem entation of Smar t Agriculture for  
Efﬁcient C ultivation in Hilly RegionsHardware SIH25062 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
63 Government of  
KeralaDevelopin g a c ost eff ective solution f or  
detecting th e breakage of L ow Voltage A C  
Distr ibution Ov er He ad conductorsHardware SIH25063 0 Disast er  
Mana gem ent  
64 Government of  
KeralaImpr oving th e Ren ewable En ergy h ostin g  
capacity in Distr ibution F eeder s impr oving  
the Power qualit y of Distr ibution n etwork  
during high RE injec tionHardware SIH25064 0 Ren ewable /  
Sustainable  
Energy  
65 Ministr y of Jal  
ShaktiDesignin g an d de velopm ent of an  
application f or on spot assessm ent of Roof  
Top R ain w ater har vestin g an d artiﬁcial  
recharge pot ential an d siz e of th e RTRW H  
and AR.Soft ware SIH25065 0 Smar t  
Automation  
66 Ministr y of Jal  
ShaktiDevelopm ent of an Al- driven ChatBO T for  
INGRES as a vir tuall assistantSoft ware SIH25066 0 Smar t  
Automation  
67 Ministr y of Jal  
ShaktiProposal f or Design an d de velopm ent of  
application or He avy Metal P ollution  
indicesSoft ware SIH2506 7 0 Misc ellan eous  
68 Ministr y of Jal  
ShaktiReal tim e Gr oun dwater resour ce evaluation  
usin g DWLR dataSoft ware SIH25068 0 Misc ellan eous  
69 Ministr y of Min es Al-Dr iven Lif e Cy cle Assessm ent (L CA) Tool  
for A dvancing Cir culant y an d Sustainabilit y  
in Metallur gy an d Minin gSoft ware SIH25069 0 Misc ellan eous  
70 Ministr y of Min es Secur e Data W iping for Trustworthy IT  
Asset Rec yclingSoft ware SIH250 70 0 Misc ellan eous  
71 Ministr y of Min es Al-Based Roc kfall P redic tion an d Aler t  
System f or Open-P it Min esSoft ware SIH250 71 0 Disast er  
Mana gem entS.No.  
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72 Ministr y of Min es Design an d Implem entation of Solar -  
Powered De watering in Minin g Oper ations.Hardware SIH250 72 0 Ren ewable /  
Sustainable  
Energy  
73 Ministr y of Y outh  
Affairs an d  
Spor tsAl-P owered Mobile Platf orm for  
Dem ocratizin g Spor ts Talent A ssessm entSoft ware SIH250 73 0 Fitness & Spor ts  
74 Government of  
KeralaAI-P owered P ersonal F armin g Assistant f or  
Kerala F armersSoft ware SIH250 74 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
75 Government of  
KeralaGamiﬁed Platf orm to Promote Sustainable  
Farmin g PracticesSoft ware SIH250 75 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
76 Government of  
KeralaAI-Based F armer Quer y Suppor t and  
Advisor y SystemSoft ware SIH250 76 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
77 Government of  
KeralaA har dware that can det ect and pr event  
unauth orized use of elec tric fencesHardware SIH250 77 0 Smar t  
Automation  
78 Government of  
KeralaSoft ware oth er than a cir cuit br eaker that  
can be used t o det ect and tur n off L T lin es  
when th e lin e breaksSoft ware SIH250 79 0 Disast er  
Mana gem ent  
79 Government of  
KeralaDocum ent Ov erload at K ochi Metr o Rail  
Limit ed (KMRL)- An aut omat ed solutionSoft ware SIH25080 0 Smar t  
Automation  
80 Government of  
KeralaAI-Dr iven T rain In duction Plannin g &  
Schedulin g for K ochi Metr o Rail Limit ed  
(KMRL)Soft ware SIH25081 0 Smar t  
Automation  
81 Government of  
KeralaDevelopm ent of a tr avel related soft ware  
app that can be installed on m obile ph ones  
that c ould captur e trip related inf ormationSoft ware SIH25082 0 Travel &  
Tourism  
82 Government of  
KeralaDigital He alth Rec ord Mana gem ent S ystem  
for migr ant w orkers in K erala align ed with  
sustainable de velopm ent go als.Soft ware SIH25083 0 MedT ech /  
BioTech /  
HealthTech  
83 Government of  
KeralaEarthquak e stabilised dialy sis s ystem f or  
patient saf ety dur ing seismic e vents.Hardware SIH25084 0 Disast er  
Mana gem ent  
84 Government of  
KeralaSolution f or NON-RE VENUE L OSS IN  
WATER SUP PLY Solution t o impr ove  
AWARENESS IN W ATER C ONSERV ATION  
TREA TMENT OF W ASTE W ATER AND  
REUSE F OR DOMES TIC P URPOSESHardware SIH25085 0 Misc ellan eous  
85 Government of  
KeralaGRE Y W ATER MANA GEMENT AND REUSE  
WET L AND MANA GEMENT W ATER  
CONSERV ATIONHardware SIH25090 0 Clean & Gr een  
Technology  
86 Government of  
Jammu an d  
KashmirAI-Based T imetable Gen eration S ystem  
align ed with NEP 2 020 for Mul tidisciplinar y  
Education Struc turesSoft ware SIH2509 1 0 Smar t  
Automation  
87 Government of  
Jammu an d  
KashmirDevelopm ent of a Digital Mental He alth  
and Ps ychological Suppor t System f or  
Students in High er EducationSoft ware SIH2509 2 0 MedT ech /  
BioTech /  
HealthTechS.No.  
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88 Government of  
Jammu an d  
KashmirCentr alised Digital Platf orm for  
Compr ehensiv e student a ctivity record in  
HEIsSoft ware SIH2509 3 0 Smar t  
Education  
89 Government of  
Jammu an d  
KashmirOne-Stop P ersonaliz ed C areer & E ducation  
AdvisorSoft ware SIH25094 0 Smar t  
Education  
90 Autodesk Rese arch an d redesign a spor t equipm ent  
comm only f oun d in spor t industr y an d  
utiliz e Fusion soft ware to reima gine its  
design. Students can use F usion F eatur es  
such as Gen erative Design, T opology  
Optimization, A dditiv e Build et c. The  
redesign ed c ompon ent sh ould sh owcase  
innovation, enhan ced fun ctionalit y, and  
impr oved efﬁcien cy, all while bein g  
optimiz ed for 3D pr intin g.Hardware SIH25095 0 Smar t  
Education  
91 Autodesk • Students ar e supposed t o use F usion  
software to gen erate NC c ode with  
machine details & t ool libr ary for an y  
industr ial compon ent. • Students sh ould  
possess t echnical sk ills in ar eas suc h as  
CAD/CAM soft ware, G- code pr ogrammin g,  
toolp ath optimization, an d ma chinin g  
fundam entals. A dditionally , their pr ojec t  
ideas sh ould dem onstr ate a viable solution  
to a r eal-world pr oblem, ensur ing feasibilit y  
and pr acticalit y in implem entation.Hardware SIH25096 0 Smar t  
Education  
92 Autodesk Rese arch an d de velop a design on  
autonomous small pr ecision f ocused  
machine for plantin g crops or w eedin g.Soft ware SIH2509 7 0 Smar t  
Education  
93 Autodesk Students ar e task ed with designin g a 4 -  
story comm ercial ofﬁc e buildin g usin g  
Revit Ar chitecture an d Re vit Struc ture ,  
ensur ing eff ective int egration bet ween  
architectural an d struc tural m odels in a  
BIM en vironm ent.(The siz e of th e plot can  
be assum ed b y the students, all th e  
dim ensions wh erever necessar y can be  
assum ed b y students in mm units.)Soft ware SIH25098 0 Smar t  
Education  
94 MathW orks India  
Pvt. Ltd.AI-po wered m onitoring of cr op h ealth, soil  
condition, an d pest r isks usin g  
mul tispec tral/hyper spec tral ima ging an d  
sensor data.Soft ware SIH25099 0 Agriculture,  
FoodT ech &  
Rural  
Developm ent  
95 MathW orks India  
Pvt. Ltd.Accelerating High-F idelit y Ro ad Net work  
Modelin g for In dian T rafﬁc Simulations.Soft ware SIH25100 0 Transpor tation  
& Logistics  
96 Government of  
RajasthanRem ote classr oom f or rur al colleges Soft ware SIH2510 1 0 Smar t  
Education  
97 Government of  
RajasthanAI-b ased dr op-out pr edic tion an d  
counselin g systemSoft ware SIH2510 2 0 Smar t  
Automation  
98 Government of  
RajasthanERP -based Int egrated Student  
Mana gem ent s ystemSoft ware SIH2510 3 0 Smar t  
Automation  
99 Government of  
RajasthanLanguage A gnostic Chatbot Soft ware SIH25104 0 Smar t  
EducationS.No.  
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100 AICTE Develop c omput er pr ograms (in an y  
language, pr eferably P ython) t o identif y  
the design pr inciples behin d th e Kolam  
designs an d recreate the kolams.Soft ware SIH1250 7 0 Heritage &  
CultureS.No.  
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