Smart India Hackathon is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving.

To know more: <a href="https://www.sih.gov.in/">https://www.sih.gov.in/</a>

Registration Link: bit.ly/SIHUIETKUK

Problem Statements: https://sih.gov.in/sih2022PS

Help to select mentor from industry: <a href="https://bit.ly/mentorindustry">https://bit.ly/mentorindustry</a> Help to select mentor from academia: <a href="https://bit.ly/mentorfaculty">https://bit.ly/mentorfaculty</a>

Facing problem in team formation join this slack link

: https://dscuietkuk.slack.com/archives/C033P5CJUV6/p1644851499189959

Sr. No	Organisation	<b>Problem Statement</b>	Category	Problem	Domain
given		Title		statement	
at				no	
SIH					
portal					
	Ministry of Ayurveda,				
	Yoga, Naturopathy,				
	Unani, Siddha, Sowa-	Portable decoction of			MedTech /
	Rigpa and Homoeopathy	(Kashaya) Making			BioTech /
55	(AYUSH).	Machine	Hardware	DK732	HealthTech
	Ministry of Ayurveda,	Smart Watch with			
	Yoga, Naturopathy,	vital record and			
	Unani, Siddha, Sowa-	lifestyle			MedTech /
	Rigpa and Homoeopathy	recommendation with			BioTech /
59	(AYUSH).	mobile application	Hardware	DK736	HealthTech
		Work clothing that			
		has sensors embedded			
		in it to securely			
		transmit data to			
		managers about			
		hazardous conditions			
		and the workers'			
		physical conditions,			
		improving safety			Smart
61	Coal India Limited	overall	Hardware	NC738	Automation
		Prototype of a Solar			
		Powered IOT Device			Transportation
62	Coal India Limited	with the ability to	Hardware	NC739	& Logistics

		laannaat to a amant	1	1	
		connect to a smart			
		network to be used in			
		Geo Tagging of			
		Physical Assets			
		Created under CSR			
					Agriculture,
					FoodTech &
	Ministry of Consumer	Smart Buffer Stock			Rural
65	Affairs	Solution	Hardware	VM742	Development
		OCR and Fastest			•
		Scanning Device and			Smart
68	Ministry of Culture	Application	Hardware	GM745	Automation
	Department of		11010 0 11010	01/1/ 10	
	Empowerment of				
	Persons with				
	Disabilities(Divyangjan)	Development of easy			
	, Ministry of Social	operating systems for			
	Justice and	persons with			Smart
83	Empowerment	locomotor disability.	Hardware	DK760	Automation
65	1	locomotor disability.	Tiaidware	KK/00	Automation
	Department of				
	Empowerment of				
	Persons with	IoT based solution for			
	Disabilities(Divyangjan)	recording and storing			N. 17D 1 /
	, Ministry of Social	metrics of normal and			MedTech /
00	Justice and	orthotic leg for		DIE	BioTech /
89	Empowerment	analysis by Orthotist.	Hardware	RK766	HealthTech
	Department of				
	Empowerment of	Using depth sensors			
	Persons with	or computer vision in			
	Disabilities(Divyangjan)	prosthetic lower			
	, Ministry of Social	extremity exoskeleton			MedTech /
	Justice and	appliance to alert or			BioTech /
90	Empowerment	adjust gait.	Hardware	RK767	HealthTech
	Department of				
	Empowerment of				
	Persons with				
	Disabilities(Divyangjan)	Smart knee actuator			
	, Ministry of Social	cushion using			MedTech /
	Justice and	pressure sensitive			BioTech /
93	Empowerment	material	Hardware	RK770	HealthTech
	Department of				
	Empowerment of	Development of			
	Persons with	Software for AAC for			MedTech /
	Disabilities(Divyangjan)	persons with different			BioTech /
100	, Ministry of Social	disabilities	Hardware	RK777	HealthTech
100	, ministry of Social	arsaomics	1 I I I I I W al C	1717///	11cardi 1 celi

	Justice and				
	Empowerment				
129	Ministry of Housing and Urban Affairs	Suggest an innovative technical approach to address the air pollution and stubble burning in Delhi/NCR.	Hardware	BV807	Disaster Management
	Ministry of Housing and	Suggest a solution to ensure that the demand for public transport resonates with the stretched peak hours to ensure uniform demand			Transportation
131	Urban Affairs	during these hours.	Hardware	BV809	& Logistics
132	Ministry of Housing and Urban Affairs	Suggest an effective way for tackling the issue of improper disposal of personal COVID protection equipment which leads to an additional strain on the city authorities who were already grappling with single use plastic menace.	Hardware	BV810	MedTech / BioTech / HealthTech
136	Ministry of Housing and Urban Affairs	Suggest an effective way for mitigating the problem of conserving and reusing the rain water and reduce water demand at source.  Suggest an innovative approach for	Hardware	BV814	Disaster Management
137	Ministry of Housing and Urban Affairs	redeveloping the centralized sewage treatment plants and help the city managers to better adopt decentralized approaches and ensure water	Hardware	BV815	Disaster Management

		resources through			
		reuse.			
	Ministry of Electronics	Virtual Laboratory for			
	and Information	Science subjects at			Smart
181	Technology (MEITY).	school level	Hardware	PK859	Automation
	Ministry of Electronics	Sustainable and No			
	and Information	Contact Attendance			Smart
182	Technology (MEITY).	system	Hardware	PK860	Automation
		Scarcity of water in			Renewable /
	National Institute of	hilly areas during			Sustainable
210	Design Madhya Pradesh	summer months.	Hardware	ST889	Energy
		Administrative			
		Difficulties faced by			
		NDRF in Rescue			
		missions in			
		floods/GLOF(Glacial			
	National Disaster	Lake Outburst Flood)			Disaster
220	Response Force (NDRF).	situations	Hardware	GS899	Management
		Identification and			
	National Disaster	location of voids in			Disaster
222	Response Force (NDRF).	earthquake scenario	Hardware	GS901	Management
	National Disaster	Effective Under water			Disaster
223	Response Force (NDRF).	search/ROV	Hardware	GS902	Management
	National Disaster	Smart wearables for			Disaster
225	Response Force (NDRF).	rescuers/victims	Hardware	GS904	Management
	National Disaster	Borewell Rescue			Disaster
229	Response Force (NDRF).	Operations	Hardware	GS908	Management
		Measurement of			
	National Institute of	Coastal topography			
	Ocean Technology	and marking the high			
	(NIOT), Ministry of	and low tide lines		G 5 6 4 5	Robotics and
232	Earth Sciences (MoES).	using drones.	Hardware	GR912	Drones
25.5	AICTE, MIC-Student	G. 1 . T		G) 40.7.5	Smart
276	Innovation	Student Innovation	Hardware	SM956	Automation
255	AICTE, MIC-Student	G. 1 . T		G) 40.55	Fitness &
277	Innovation	Student Innovation	Hardware	SM957	Sports
250	AICTE, MIC-Student	G. 1 . T		G3 40 50	Heritage &
278	Innovation	Student Innovation	Hardware	SM958	Culture
	ALOTTE MIC CO. 1				MedTech /
270	AICTE, MIC-Student	G. 1 . T	TT 1	GM 4050	BioTech /
279	Innovation	Student Innovation	Hardware	SM959	HealthTech
					Agriculture,
	AIGTE MIC C. 1				FoodTech &
200	AICTE, MIC-Student	Cara da ma Tura	TT1	CMOCO	Rural
280	Innovation	Student Innovation	Hardware	2M360	Development

	AICTE, MIC-Student				Smart
281	Innovation	Student Innovation	Hardware	SM961	Vehicles
	AICTE, MIC-Student				Transportation
282	Innovation	Student Innovation	Hardware	SM962	& Logistics
	AICTE, MIC-Student				Robotics and
283	Innovation	Student Innovation	Hardware	SM963	Drones
			110101011011	21/15/00	Clean &
	AICTE, MIC-Student				Green
284	Innovation	Student Innovation	Hardware	SM964	Technology
201	AICTE, MIC-Student	Student Innovation	Traraware	511701	Travel &
285	Innovation	Student Innovation	Hardware	SM965	Tourism
203	Illiovation	Student innovation	Tiaraware	DIV1703	Renewable /
	AICTE, MIC-Student				Sustainable
286	Innovation	Student Innovation	Hardware	SM066	Energy
200	AICTE, MIC-Student	Student innovation	Tiaiuwaic	5W1700	Blockchain &
287	Innovation	Student Innovation	Hardware	SM067	Cybersecurity
207	AICTE, MIC-Student	Student innovation	Tiaiuwaie	SW1907	Cybersecurity
288	Innovation	Student Innovation	Hardware	SM068	Miscellaneous
200	AICTE, MIC-Student	Student innovation	Tiaiuwaie	SW1900	Disaster
289	Innovation	Student Innovation	Hardware	SM070	
289			Hardware	SM9/0	Management
	Department of School	Improving Education			
	Education & Literacy	Delivery and learning			Smart
297	(DoSEL), Ministry of Education.	outcome for specially abled children	Hardware	DV079	Education
291	Education.		Hardware	KK9/8	Education
	D = = = = = = = = = = = = = = = = = = =	Identify slow learners			
	Department of School	for remedial teaching			
	Education & Literacy	and capacity building for innovative			Smart
298	(DoSEL), Ministry of Education.	methods	Hardware	DV070	Education
298	-	ineulous	Haluwale	KK9/9	Disaster
200	AICTE, MIC-Student Innovation	Student Innevention	Handryona	CMOOO	
309	Innovation	Student Innovation	Hardware	SM990	Management
		Estimation of current			
		CO2 emmisions in			Tuores 1 %
244	Ministry of Toynians	Tourism and ways to	Handraan	DV 1027	Travel &
344	Ministry of Tourism	reduce them	Hardware	PK1027	Tourism
		Digital interventions /			
		innovative operating			
		models for ensuring			
		operations and maintenance of			
		tourism infrastructure			
					Haritaga 0-
351	Ministry of Tourism	to required service levels.	Hardware	DK 1024	Heritage & Culture
331	Ministry of Tourism		ranuware	FK1U34	Cultule
		Innovative solutions			Haritaga 0-
252	Ministry of Taurian	to save time and	Hondress	DV 1025	Heritage &
352	Ministry of Tourism	effort required to	Hardware	PK1033	Culture

		assess the tourism		l	
		infrastructure through			
		digital process			
		To find all-new ways			
		to store electric			
		energy in bigger			Renewable /
		volume and less in			Sustainable
362	Government of Rajasthan		Hardware	TK1045	Energy
302	Government of Rajastnan	To build robots for all	Tiaidwaic	1 IX 1043	Energy
		kinds of dedicated			
		tasks such as cleaning			
		shoes, planting crops,			
		cleaning windows,			Robotics and
364	Government of Rajasthan		Hardware	TK1047	Drones
304	Oovermilent of Kajastilan	To innovate a Smart	Taruware	11X104/	Diolics
		materials that change			
		their behaviour based			
		on environmental			
		conditions i.e, taking			
		the carbon out of			
		carbon dioxide, and			
		returning the dioxide			Smart
365	Government of Rajasthan		Hardware	TK1048	Automation
303		To develop new ways	Tiaraware	1111040	Agriculture,
		of Waste water			FoodTech &
		management system			Rural
366	Government of Rajasthan		Hardware	TK1049	Development
300	Government of Rajastrian	To find ways to	Tiaraware	TICTO	Bevelopment
		replace prisons with			
		socially effective			
		methods of societal			
368	Government of Rajasthan		Hardware	TK 1051	Miscellaneous
300	Government of Rajastrian	To develop economic	Tiaraware	1111031	Wilsechaneous
		waste management			MedTech /
	Government of	system for each			BioTech /
372	Uttarakhand	village/city.	Hardware	AU1055	HealthTech
3,2	C trai aixiiaiia	To construct ropeway	1 Iui a Wui C	1101033	1100101110011
		map/structure in hilly			
	Government of	areas for			Transportation
373	Uttarakhand	transportation	Hardware	AU1056	& Logistics
273		Most economical	1141477410	110100	2020000
		water security plan			Renewable /
	Government of	for remotest villages			Sustainable
374	Uttarakhand	of Uttarakhand	Hardware	AU1057	Energy
314	Ottarakiidilu	oi Onarakiiaiid	maruware	AU103/	Linergy

		To develop automatic			
		irrigation system by			MedTech /
	Government of	use of waste water for			BioTech /
375	Uttarakhand	small irrigation field.	Hardware	AU1058	HealthTech
313	Ottaraknand	GIS based flood &	Tiaiuwaic	A01036	Ticaitii I ccii
		landslide risk			
	Government of	assessment in hilly			Disaster
376	Uttarakhand	areas of Uttarakhand.	Hardware	AU1059	Management
370	Ottarakilarid	areas of Ottarakitanu.	Tiaiuwaie	A01039	
		To dayalan Wasta			Agriculture, FoodTech &
	Government of	To develop Waste			Rural
377	Uttarakhand	water management	Hardware	AU1060	
311		system in villages.	пагижаге	AU1000	Development
	Department of Science &	Knee support for			ModTools /
	Technology (DoST),	elderly for			MedTech /
200	Ministry of Science and	transferring body	Honder	DA 1062	BioTech /
380	Technology.	weight to shoe	Hardware	DA1063	HealthTech
	Department of Science &				MadTa-1-/
	Technology (DoST),	NI inner:			MedTech /
201	Ministry of Science and	Non-invasive	TT 1	D 4 10 6 4	BioTech /
381	Technology.	Glucometer	Hardware	DA1064	HealthTech
	Department of Science &	Solar panel with solar			
	Technology (DoST),	tracking device			
202	Ministry of Science and	without power	TT 1	D 4 10 65	Smart
382	Technology.	consumption	Hardware	DA1065	Automation
	Department of Science &				
	Technology (DoST),				
202	Ministry of Science and	AI based interactive		D 4 10 6 6	Robotics and
383	Technology.	robot for elderly care	Hardware	DA1066	Drones
	Department of Science &	X7:1 C			
	Technology (DoST),	Video conference –			
20.4	Ministry of Science and	Eye to eye contact –		D 4 10 47	)
384	Technology.	Mobile App	Hardware	DA1067	Miscellaneous
	Department of Science &	Wheel Chair with			
	Technology (DoST),	attachment for B-			
	Ministry of Science and	Type oxygen cylinder			Transportation
386	Technology.	for COPD patients	Hardware	DA1069	& Logistics
	Department of Science &				
	Technology (DoST),				Clean &
	Ministry of Science and				Green
387	Technology.	Water harvesting:	Hardware	DA1070	Technology
	Department of Science &	Smart Networks for			
	Technology (DoST),	Renewable Integrated			Renewable /
	Ministry of Science and	Sources for			Sustainable
389	Technology.	standalone Microgrids	Hardware	DA1072	Energy

	D	W 1.1	ĺ	ĺ	1
	Department of Sports	Wearable sensors for			F: 0
126	(DoS), Ministry of Youth	1 -		A 77.1.1.00	Fitness &
426	Affairs & Sports.	Application	Hardware	AK1109	Sports
		Use of digital			
		technology or making			
		physical prototype for			
		micro irrigation			Agriculture,
	Central Water	system to improve			FoodTech &
	Commission (CWC),	Water Use Efficiency			Rural
433	Ministry of Jal Shakti	of Irrigation sector.	Hardware	RK1116	Development
		Development of			
		Technology for			
		manufacturing of			
	Ministry of Micro, Small	mind control BIONIC			MedTech /
	& Medium Enterprises	hand with a sense of			BioTech /
441	(MSME).	touch	Hardware	RK1124	HealthTech
	Ministry of Micro, Small	Uncontrolled growth			MedTech /
	& Medium Enterprises	of water hyacinth in			BioTech /
442	(MSME).	lakes.	Hardware	RK1125	HealthTech
	(IVISIVIE).	Disposal/Recycle of	Tara ware	10111120	
		Covid-19 related			
	Ministry of Micro, Small	items such as Mask,			MedTech /
	& Medium Enterprises	Sanitizer, face cover			BioTech /
443	(MSME).	etc.	Hardware	RK1126	HealthTech
443	(MSME).	Water logging in	Tiaidwaic	KK1120	TicaluiTccii
	Ministers of Misses Constitution	almost all major cities			C1 0
	Ministry of Micro, Small	despite having			Clean &
444	& Medium Enterprises	drainage system in		DW1107	Green
444	(MSME).	place	Hardware	RK1127	Technology
		Automation of port			
		processes to improve			
		port handling			
	Ministry of Ports,	efficiency and reduce			Smart
449	Shipping & Waterways	errors	Hardware	AK1132	Automation
		Technology solutions			
		for decarbonization of			
		maritime industry as			Clean &
	Ministry of Ports,	per IMO CHG			Green
450	Shipping & Waterways	startegy	Hardware	AK1133	Technology
		Advance simulators			
		for providing real-			
	Ministry of Ports,	time situations			Robotics and
451	Shipping & Waterways	training	Hardware	AK1134	Drones
	Ministry of Ports,	Teechnology			Robotics and
452	Shipping & Waterways	solutions for	Hardware	AK1135	Drones

		enhanced Maritime			
		Security			
		Green Transformation			
		of ports to achieve			Clean &
	Ministry of Ports,	Net Zero Carbon			Green
453	Shipping & Waterways	Emissions	Hardware	AK1136	Technology
733	Ministry of Ports,	Air Quality Index for	Tiaraware	71111130	Transportation
454	Shipping & Waterways	Major Port	Hardware	AK1137	& Logistics
434	Shipping & waterways	Develop a drone	Tiaidwaic	AKIISI	& Logistics
		based Ambulances			
	Defence Research and	1			
		system to avert the			
	Development Organisation (DRDO)	challenges faced on			Robotics and
487	Organisation (DRDO),	ground during golden	Handryona	ND 1171	
467	Ministry of Defence.	hour reaction time.	Hardware	INK11/1	Drones
	Dairy Division,				
	Department of Animal				A
	Husbandry & Dairying,	N 4'11			Agriculture,
	Ministry of Fisheries,	Milk pasteurization			FoodTech &
500	Animal Husbandry &	other than heat	TT 1	DV1106	Rural
502	Dairying	treatment	Hardware	DV1186	Development
	Dairy Division,	<b>5</b> 1			
	Department of Animal	Develop an			
	Husbandry & Dairying,	innovative solution to			Agriculture,
	Ministry of Fisheries,	conversion of excess			FoodTech &
	Animal Husbandry &	milk to usable			Rural
503	Dairying	products	Hardware	DV1187	Development
	Dairy Division,				
	Department of Animal				
	Husbandry & Dairying,	Portable & Smart			Agriculture,
	Ministry of Fisheries,	Packing system with			FoodTech &
	Animal Husbandry &	quality check			Rural
504	Dairying	framework	Hardware	DV1188	Development
	Swachh Bharat Mission				
	(Grameen), Department				
	of Drinking Water &				Clean &
	Sanitation, Ministry of	Waste Management			Green
505	Jal Shakti	System	Hardware	ML1189	Technology
	Swachh Bharat Mission				
	(Grameen), Department				
	of Drinking Water &				
	Sanitation, Ministry of	Rapid decomposition			
506	Jal Shakti	of waste in rural areas	Hardware	ML1190	Miscellaneous
		Fault tracing of			
		wiring harnesses -			
		Could this be			Smart
507	Volvo	combined with AR	Hardware	SK1204	Automation

		How to avoid median			
		accidents : Invisible			
		center medians cause			
		a huge number of			Smart
508	Volvo	accidents in India.	Hardware	SK1205	Vehicles
		Solutions to detect air			
		quality inside the			Transportation
509	Volvo	cabin and improve it.	Hardware	SK1206	& Logistics
	NIFTEM Thanjavur	•			
	,Ministry of Food	IoT enabled risk			
	Processing Industries	monitoring system in			Smart
518	(MoFPI)	Cold Suppll Chain	Hardware	MA1216	Automation
	NIFTEM Thanjavur	Block chain			
	,Ministry of Food	application for			
	Processing Industries	tagging farm			Blockchain &
519	(MoFPI)	produces	Hardware	MA1217	Cybersecurity
		To provide solution			
	NIFTEM Thanjavur	for entire year			
	,Ministry of Food	commercial solar			Clean &
	Processing Industries	drying of food			Green
520	(MoFPI)	commodities.	Hardware	MA1218	Technology
	NIFTEM Thanjavur				
	,Ministry of Food				Clean &
	Processing Industries	smart and sustainable			Green
521	(MoFPI)	supply chain	Hardware	MA1219	Technology
	Department of Food &				
	Public Distribution,	"Scientific method for			Agriculture,
	Ministry of Consumer	determining age			FoodTech &
	Affairs Food and Public	Agriculture and Food			Rural
522	Distribution	& of boiled rice "	Hardware	VA1220	Development
		Artificial Intelligence			
		enabled Agriculture,			
		Food and Public			
	Department of Food &	Robotic stacker for			
	Public Distribution,	mechanized			Agriculture,
	Ministry of Consumer	Distribution			FoodTech &
	Affairs Food and Public	Loading/Unloading of			Rural
523	Distribution	foodgrain	Hardware	VA1221	Development