

MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI (AUTONOMOUS)

!!! Smart India Hackathon 2023 !!!

Internal Hackathon: Review – 1 Schedule (13/09/2023)

Date: 11/09/2023

Government of India announced the SMART INDIA HACKATHON '23 to be conducted in the month of October, 2023 for software and hardware challenge. **Only 30 confirmed teams and 5 waitlisted teams can be submitted** for every institution. In this regard, review is scheduled for the registered teams on **13th September, 2023** as per the following schedule. Students are asked to be available before 10 minutes in the venue and submit the PPT for the presentation. PPT should have the contents such as Problem Statement Title & Description (As available in SIH portal), System design / prototype, innovations, technologies, use cases, dependencies.

SIH'23 – Software Category:

Domain	No of Teams	Time	Venue
Blockchain	8	11.00 AM to 12.40 PM	SDL Lab, IT
ML (Image)	13	1.30 PM to 3.00 PM	Deep Learning Lab, AI&DS
WebApp – 1	11	3.15 PM to 4.45 PM	CIL Lab, CSE
WebApp – 2	11	11.00 AM to 12.40 PM	Valluvar Arangam, CSE Block
IoT	10	1.30 PM to 3.00 PM	
ML (Data)	13	3.15 PM to 4.45 PM	
NLP	8	1.30 PM to 3.00 PM	GBL Lab, CSE

SIH'23 – Hardware Category:

Domain	No of Teams	Time	Venue
Robotics / Drone	11	11.00 AM to 12.40 PM	ECE Seminar Hall
IoT – 1	10	1.30 PM to 3.00 PM	
IoT – 2	9	3.15 PM to 4.45 PM	
Civil	12	2.15 PM to 4.45 PM	Civil Seminar Hall
Electrical	3	1.30 PM to 2.15 PM	Embedded System Lab, EEE
Mech	10	1.30 PM to 3.00 PM	Facilitation Center, Safety Block
BT	10	11.00 AM to 12.40 PM	BioTech Seminar Hall
BArch	3	11.00 AM to 11.50 AM	BArch. Conference Hall

* - Refer your Problem Statement Domain Name in the attached sheet.

Note:

- Two or Three members in a team can avail OD in AN of 12.09.2023 (Tuesday) to prepare the ppt in the best impressive format.
- Shortlisted teams in this review will have to attend the Internal Hackathon in our college with the implementation results. It is tentatively scheduled on 23rd September, 2023.

N. V. Prasad
Hackathon SPoC

By mail: All Students, Faculty members and HODs

Mail Subject: Smart India Hackathon'23 Review1 – 13.09.2023

CA. M. Prasad
PRINCIPAL

PRINCIPAL

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Team List – Software Category

Date: 11/09/2023

#	Roll No	Team Leader Name	Problem Statement Title	Domain
1.	21BCS098	S Subasri	Fake Social Media Profile detection and reporting	ML (Data)
2.	20BCS146	K. Ajith	TourBuddy: Transforming Indian Tourism with AI-Driven AR Travel Companion	
3.	21BIT049	G.Shree Harish Kumar	Sentiment Analysis of Incoming calls for Helpdesk	
4.	21BIT051	Vijesh Pethuram.K	Making career choices and AI based counselling accessible to every child at secondary level along with aptitude tests and detailed career paths.	
5.	21BEC070	Indhumathi. A	Cloudburst prediction system	
6.	21BEC099	Devesh T	Contact center knowledge management tool with decision tree	
7.	20BEC091	JASPER P	Community Based Reporting and Monitoring Tool for Women's Safety in colleges/Universities.	
8.	22BBM017	H.Kirthiga	The Employment Department at present has a digital platform www.pgrkam.com and its mobile application to provide almost all services offered to job seekers and employers through digital means.	
9.	21BAD054	Prasanna Venkatesh S	AI-Powered-Legal Documentation Assistant	
10.	21BAD013	Kawena M	Text to Video of various PIB Press Releases using AI / ML / GAN in English and 13 Regional Languages.	
11.	21BAD028	Tejashvini A	Chatbot to respond to text queries pertaining to various Acts, Rules, and Regulations applicable to Mining industries	
12.	21BAD006	Bhuvanika S	Integration of AI for Adaptive Learning for MCQ Selection in PARAKH	
13.	22BAD001	Akshayaa Sivashankari.S	Computerized cognitive Retraining Program for Home training of Children with Disabilities.	
14.	21BEC136	Paripoorani C	Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms	ML (Image)
15.	21BEC044	MADHAVAN M	Devise the method for identification of victims buried under avalanches	
16.	21BCS003	DEIVANAYAKI S	Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms	
17.	21BCS077	MADHU SRI S	App-Based Solution to identify and solve disease in plants/crops	
18.	21BCS057	SIVA ARUNACHALAM S	Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms	
19.	21BCS122	G.YUVAN SHANKAR	AI-based tool for preliminary diagnosis of Dermatological manifestations	
20.	22BCS061	Akshayamala .Y	App-Based Solution to identify and solve disease in plants/crops	
21.	20BCS115	Sujit Ragav M	Using existing CCTV network for crowd management, crime prevention, and work monitoring using AI/ML	
22.	20BIT044	Ekanathan S A	App-Based Solution to identify and solve disease in plants/crops Software Agriculture, FoodTech & Rural Development	
23.	22BBM011	P.Gobiha	Identification of different medicinal plants\raw materials through image processing using machine learning algorithms	

#	Roll No	Team Leader Name	Problem Statement Title	Domain
24.	21BAD051	Mohamed Aslam K	AI-based tool for preliminary diagnosis of Dermatological manifestations	ML (Image)
25.	21BAD052	Muthu Nitheesh R	Leveraging the power of deep learning to overcome the challenges of marine engineering and improve vessel operations:	
26.	20BAD031	Hishaamudin Z	Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms	
27.	21BAD027	Tamil Alagi P.M	BlockChain based Voting System	Blockchain
28.	21BEC009	Kavya S	Online Blockchain based certificate generation and validation system for government organization.	
29.	21BCS010	JOSIKA . T	Cyber Security Portal For Effective Management Of Servers And Firewalls	
30.	21BCS145	RESHIKA.A.S	Online Blockchain based certificate generation and validation system for government organization.	
31.	21BCS165	Krishna M	Efficient enumeration of URLs of active hidden servers over anonymous channel (TOR)	
32.	22bit042	R.Guru Manikandan	Developing solutions to effective market linkage and promotion of One District One Product.	
33.	MCA1110	NIVASHINI M	Online Blockchain based certificate generation and validation system for government organization.	
34.	21BCS171	Muthukumarasamy S	AR/VR based application which helps visualize the complete house virtually at an early stage, which can help in cost estimation, planning and completion of the house in time'	NLP
35.	21BEC037	Divyesh S	Language translator tool to convert English to Hindi (official Language) which can be used by all the government organizations websites officially.	
36.	22BCS176	A. Sakthivel	Chatbot to Known Individual Prakriti (Phenotype)	
37.	20BCS158	Kani Ratham.D	Natural language translation engine for announcements and information dissemination at stations	
38.	22BCS063	ANUGRAHA.R	Chatbot based helpdesk for govt employees and departments	
39.	21BCS139	MUTHULAKSHMI.A	Language translator tool to convert English to Hindi (official Language) which can be used by all the government organizations websites officially.	
40.	22BCS108	R. Naveen Raj	Chatbot to respond to text queries pertaining to various Acts, Rules, and Regulations applicable to Mining industries	
41.	MCA1140	HARINI L	Chatbot based helpdesk for government employees and department.	
42.	mca1141	Salman Farsi.J	Chatbot to respond to text queries pertaining to various Acts, Rules, and Regulations applicable to Mining industries	
43.	21BEC013	Narmatha R.	Use of Digital Technology in addressing Non-Revenue Water (NRW)	WebApp - 1
44.	21BEC032	Akash Varsa Raja S S	Water and Electricity Tracking App	
45.	22BEC020	Padmatharshini A	Water and Electricity Tracking App	
46.	20BCS040	Nithin R	Use of Digital Technology to calculate water footprints for different daily use items.	
47.	22BCS177	K. Santhosh Kumar	Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India	
48.	21BCS110	Keshavarathinam S	Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India	

#	Roll No	Team Leader Name	Problem Statement Title	Domain
49.	21BCS080	A. Muthazhagi	Development of gamified platform on children's rights to increase legal literacy and awareness among children in India	WebApp - 1
50.	20 BCS 127	G.LOGA THEJA	Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India	
51.	21BCS107	Jithin V J	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	
52.	22BBT016	Janani K	Optimizing doctor availability and appointment in hospitals through digital technology and AI integration	
53.	21BCS108	Kabilan M	An application under which all rescue agencies are registered and which can display the location of other rescue relief agencies during natural/ man made calamities	
54.	22bcs141	Pavithra.SV	Awareness and preparedness towards disaster management	WebApp - 2
55.	21BCS023	NEVATHITHA R A	Application Development for monitoring of wool from Farm to fabric	
56.	21BCS015	K.Lakshmi Supathra	A mobile app that crowd sources water - related problems from around a community, open sources data, etc...and display them on a map	
57.	22bcs145	Shreemathi.S	Student Dropout Analysis	
58.	22BCS055	Shiva Subhan	Online integrated platform for projects taken up by the students of various universities/colleges	
59.	21BME101	A.A SANJAY	App-Based Solution to provide market access to micro and small enterprises	
60.	21BIT053	C R Sri Subash	Tech-Driven Solutions for Undertrial Prisoners in India	
61.	22BIT054	K. Sankara Narayanan	Student dropout analysis for School education	
62.	22bbm052	G.S.Sasi kumar	STARTUP AYUSH PORTAL	
63.	20BAD026	Bhuvaneshkumar A	Online integrated platform for projects taken up by the students of various universities/colleges	
64.	mca1131	samuel raja	Web /Mobile based tool for mapping of Water supply network	IoT
65.	21BEE024	Balaharish.T	Real-Time Vehicle Tracking system.	
66.	21BEE040	M.meenakhi sundaram	Real-Time Vehicle Tracking system.	
67.	21BEC144	Rithanya P.	Smart and effective realtime management of street parking	
68.	21BEC140	Priya Dharshini.C	Threat zone of an explosion particularly in oil and gas handling industries or refineries	
69.	21BEC077	Loorthu Rajeshwari S	Smart and effective realtime management of street parking	
70.	20BEC065	Kavya Varshini V.	Smart and effective real-time management of street parking	
71.	21BCS084	Priyasha J	Smart and Effective realtime Management of street parking	
72.	21BEC077	LOORTHU RAJESHWARI S	Smart and effective real time management of street parking	
73.	21BIT016	F .Nashwa Inas	E-Waste locator	
74.	21BBM017	KARTHIKA S	Traditional agriculture practices lack real-time monitoring and efficient operation on fields This leads to inefficiencies and low production levels.	

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Team List – Hardware Category

Date: 11/09/2023

#	Roll No	Team Member	Problem Statement Title	Domain
1.	21BEE003	Deepthi ananthika	Automated Public Lighting	IoT – 1
2.	21BEC061	ARUNA S	Automated Public Lighting	
3.	22BBM003	K ANUPRABHA	Automated Public Lighting	
4.	mca1118	siva subramanian	Automated Public Lighting	
5.	21BEC012	Meenal M	Automated Public Lighting	
6.	21BEE009	JAFLA S	Centralized Monitoring System for Street Light Fault Detection and Location Tracking	
7.	21BEC078	Megaa GK	Identification of Stagnant water and Waste in drainage	
8.	21BEC089	Sri Harini V. K	Conservation Based Gravitational Energy Harvesting	
9.	21BEC083	POOJA A.	Generation of Electricity from Non Biodegradable Waste.	
10.	20BEC076	Sagunthaladevi E	Despite prohibition of hazardous cleaning of sewers and septic tanks (manual cleaning of sewers and septic tanks without safety kits, safety devices and without adherence to safety precautions) it is still being restored to in many parts of the country.	
11.	21BEC115	Sree Veerabagu E	Renewable / Sustainable Energy - Power generation using Sound sources	IoT – 2
12.	21BEC141	R. Priyanga	A system of IoT Devices to prevent under-loading / overloading of Railway wagons	
13.	21BME046	ATTUL S	A system of IoT Devices to prevent under-loading / overloading of Railway wagons	
14.	21BADL01	Arunesh Kumar G	(Student innovation) Smart Transport System	
15.	21BEE086	Ashik Sam.S	Monitoring through AI Based Remote Access Vehicle	
16.	21BEC146	SHRUTHI SAI R	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.	
17.	21BEC010	KEERTHANA S	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.	
18.	21BEC093	Abi Mugeswaran M.	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.	
19.	21BEC022	SHANMUGA PRIYA T.	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.	
20.	20BCI092	Mokesh H	Call for low-cost desalination technology for Lakshadweep and Inland saline water sources	Civil
21.	21BCI040	Thiyagarajan.T	Effective management of construction and demolition (C&D) waste	
22.	21BCI051	Bhuvanika.R	Uncontrolled growth of water Hyacinth in lakes	
23.	21BCS100	A.T.Trisha Shruti	Uncontrolled growth of water Hyacinth in lake	
24.	20BME101	JEEVAN KUMAR M	Uncontrolled growth of water Hyacinth in lakes	
25.	21BBT042	Natesh K	Uncontrolled growth of water hyacinth in lakes	

#	Roll No	Team Member	Problem Statement Title	Domain
26.	21BCI067	S.Sowndarya Raji	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system	Civil
27.	20BCI015	Vaishnavi Meena.M	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.	
28.	21BCI062	Rithika .J A	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop, using artificial intelligence, in a piped and micro irrigation network of irrigation system.	
29.	21BME066	Risikesh R	Geo tagging of plantation in the catchment area of hydro project	
30.	21bme029	P. Selva	Call for cost-effective ways of making water source for piped drinking water supply sustainable in Rural areas	
31.	22BBM004	R.Anusha	Disaster management	
32.	21BEE112	Selvachidambaram S	Innovative ideas that help manage and generate renewable /sustainable sources more efficiently. - Student Innovation	Electrical
33.	21bee083	P A Akileswar	Innovative Solution for Reducing ATandC Losses due to Power Pilferage in Electrical Sector	
34.	21BME085	Dharanitharan S	Innovative Solution for Reducing ATandC Losses due to Power Pilferage in Electrical Sector	
35.	21BEE107	Prince Santhosh S D	Drone-based surveillance system for the vessels plying in port areas and encroachments	Robotics / Drone
36.	21BEC113	Santhosh Kumar.S	Drone-based surveillance system for the vessels plying in port areas and encroachments	
37.	21BEC026	SWASTIKA S	Developing a system for patient care by manufacturing a mind control BIONIC hand with a sense of touch	
38.	21BEC016	PAVITHRA.K C	AI Based Drone Application	
39.	20BEC032	Jayanthan.S	Drone-based surveillance system for the vessels plying in port areas and encroachment	
40.	21BME076	YUGESH KANNAN.K	Drone-based surveillance system for the vessels plying in port areas and encroachments	
41.	20BME114	Ramkumar U	Students to use Autodesk Fusion 360 to research and develop a design on “Smart Glass Cleaning Robot”, which can climb, clean, and carry liquid cleaners	
42.	21BME085	Dharanitharan S	Students to use Autodesk Fusion 360 to research and develop a design on “Smart Glass Cleaning Robot”, which can climb, clean, and carry liquid cleaners.	
43.	20BME009	ARUN KUMAR N	Students to use Autodesk Fusion 360 to research and to generate NC code with machine details & tool library for any industrial component.	
44.	21BADL04	RAMKUMAR K	(student innovation) DAM-HCAT: Drone based assessment and monitoring of hydro power plant catchment areas and treatment plants	
45.	MCA1112	PRABHALAKSHMI V	Robotics for inspection of abrasion / corrosion of underwater equipment / parts and further repair and maintenance	Mech.
46.	20BME082	GS Thilakan	Research and redesign a conventional automotive component commonly found in vehicles and utilize Fusion 360 software to reimagine its design. Students can use Fusion 360 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.	

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47.	20BME100	Guru Indra Dinesh G	Student Innovation	Mech.
48.	20BME012	Dharun Kumar G	Student Innovation	
49.	21BBT041	Naga Arjun K G	Automatic regulation of valves for release of water based upon soil moisture availability in the root zone of the crop using AI in a piped and micro irrigation network	
50.	21bbm005	D.AMIRTHA MUTHU	Low-cost Myoelectric Prosthetic Arm	
51.	21BBM027	Y.P.Suruthiha	Low cost myoelectric prosthetic arm	
52.	21BME.16	MADESH B	Development of Small Scale Wind energy device	
53.	20BME093	Chockalingam K N	Development of Small Scale Wind energy device	
54.	20Bme041	Vishva R	Development of Small Scale Wind energy device	
55.	20BCI056	S.V.Anitha Devi	Development of Small Scale Wind energy device	
56.	20BME050	GOWSHI K	Green options for milk packaging (Low cost,environment-friendly, and extended shelf life packaging for milk)	BT
57.	20BBT005	Aravindha Anjana P	Green options for milk packaging	
58.	20BBT028	Sakthi Aishvaryaa C	Green options for milk packaging	
59.	21BBT024	Preganaa J A	Plastic biodegradation	
60.	21MBT001	Harseni R	Technological solution for safe disposal of menstrual waste	
61.	21BBT013	Harsitaa S	Development of prototype instrument for assessment and quantification of rasas in medicinal herbs	
62.	21BBT002	Akshaya Jaya Shree S A	Technological solution for safe disposal of menstrual waste	
63.	22BBT004	Arthi N	Green options for milk packaging	
64.	22BBM054	N.Vignesh	Green options for milk packaging	
65.	20BBM004	Aruna Devi P	Technological solutions for safe disposal of menstrual waste	BArch.
66.	22ARC004	Fathima Yameena	Student Innovation	
67.	22ARC012	Jai Surya	Student Innovation	
68.	22ARC007	Melphine	Development of Smart Toilet	