

SMART INDIA HACKATHON, 2023

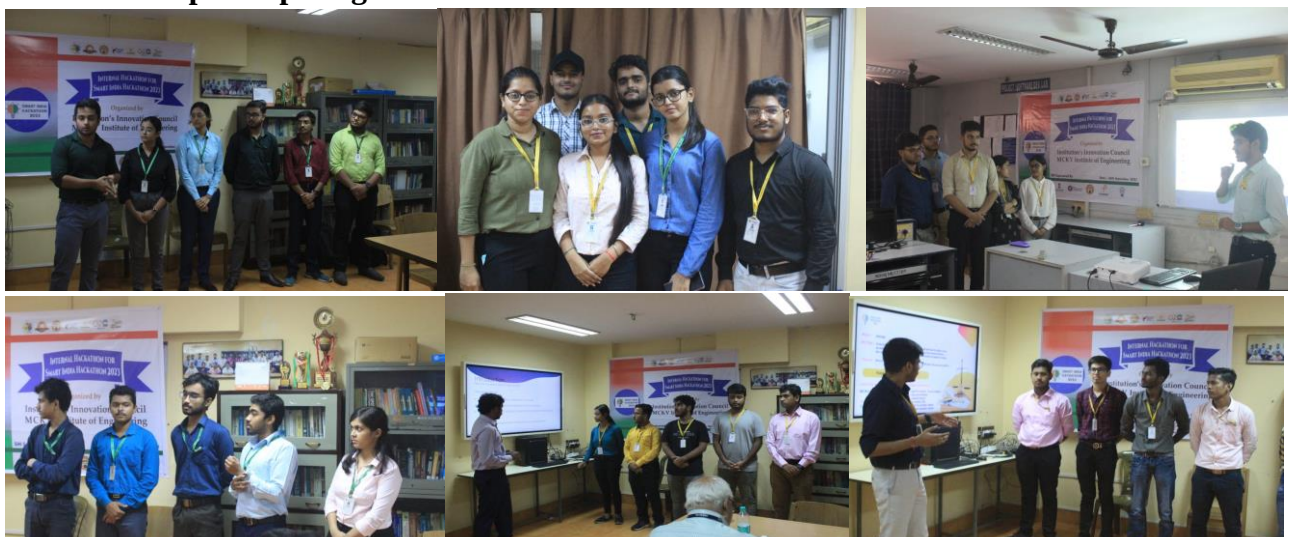
- About the event:** Smart India Hackathon 2023 (SIH 2023) is an initiative of the Government of India to help various government departments and private organizations to get solutions for some of their pressing problems through students. SIH 2023 is a nationwide initiative to provide students a platform 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. Beforehand Institute's Internal campus hackathon needs to be conducted on-premises as a preliminary selection criterion for the said event.

MCKV Institute of Engineering organized an internal hackathon on 26th September, 2023 on the college campus. 45 groups comprised of 6 students each including the team leader and at least one female member have participated in the event. 35 groups were nominated for Smart India Hackathon, 2023.

- Photos of the event organized:-** Inauguration of the event to prize distribution.



- Picture of all participating teams**





4. **Judging Process:** All the team members presented their idea about a pressing problem that we have faced in our day today life. The total duration of the presentation and discussion was of 15 minutes. Judges graded them with respect to their idea and clarity, implementation prospect, presentation skill, problem-solving weightage, and team skills. A photo of one of the graded sheets is given below.

SMART INDIA HACKATHON-2023
(Intra-College Round)
Date- 26th September, 2023
Evaluation Sheet

Team No.	2
Team Name	The Optimizers
Category	Software
Problem Statement No. (PS No.)	SIH1382
Problem Statement Title:	Real-Time Vehicle Tracking system
Domain Bucket/ Theme:	Smart Vehicles
Team Leader	Supriyo Ghosh Mobile No- 6298043850 Email- supriyoghosh27125@gmail.com
Remarks	
Marks Obtained	
Name of the Judge	
Judge's Signature	

5. Jury panel photo and relevant details

External judges along with faculty members of MCKVIE were belonged to the jury panel. Photos of jury panel members are given below.



6. Nominated top teams

Nomination	Team No.	Team Name	Name of The Team Leader
01	01	Cyber Thugs	Priyabrata Shee
02	02	Optimizer	Supriyo Ghosh
03	04	Strivers	Shreyan Pal Chowdhury
04	06	The Persuaders	HARSH MISHRA
05	09	Finetuners	Shounak Sarkar
06	10	Red Hats	Saptarshi Banik

07	11	CodeCrashers	Sinchana Chatterjee
08	12	Innovisionaries	Abhishek Mishra
09	14	Teen Titans	Manas Kumar Manna
10	15	GenZ	Upayan Chakraborty
11	18	JUSTICE LEAGUE	ADITYA SINGH

12	20	Steiners	Sibasish Dey
13	21	Sopranos	Shiwani Soni
14	23	VON	PRAHALLAD SAHOO
15	24	AVINYA	SANJIBANI SAMAL
16	25	UNITY ELITE	Kunal Das
17	26	StrawHats Pirates	Shruti Singh

18	27	Health Hobbits	Ayush Saha
19	28	Dark Spirit	Sujal Kumar Gupta
20	32	TI - TEAM OF IN.THINKERS'.....	SUBHAM MONDAL
21	33	Bionic Builders	Aftab Mallick
22	34	CyberSculptors	Mohammad Shakir

23	35	Eco Nurturers	Mainak Mukherjee
24	37	Team Paltan	Harsh Baid
25	42	INNOVATORS UNITED	Poulomi Pal
26	43	AUTOBOTS	Bibek Khan
27	44	Team Nirbhay	Sameer Dawood Khan

28	48	Syntax Error	Sanchari Pandey
29	50	ministry-of-ideas	Nilankan Betal
30	51	Diplomats	Avijeet Sharma
31	16	Phantoms	Arijit Saha
32	17	Sixth Sense	Akash Banerjee

33	29	Cyber Creepers	Srijita Ghorai
34	40	CrackHeads	Ahir Barman Maji
35	45	TutoGrad	Srijit Sarkar

7. Judges photo and details

Arindam Saha, Associate Consultant, TCS. Contact no- 9804499885

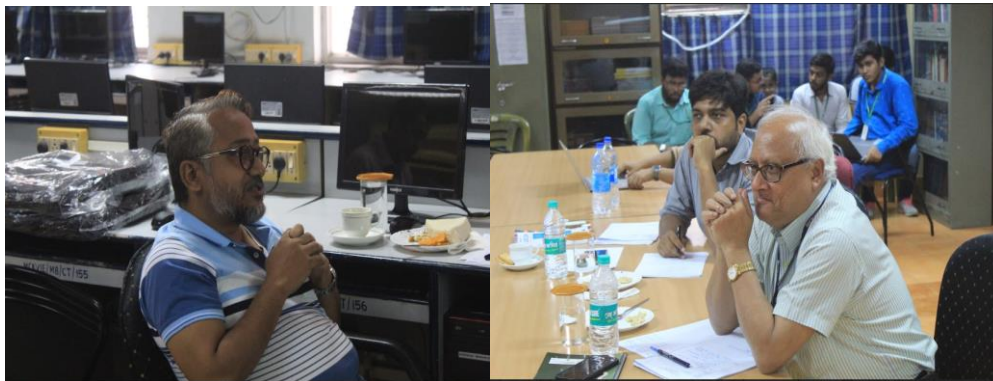
ari.saha@tcs.com

Soumyadip Maity, Scientist, TCS Research, Contact no- 9433372658

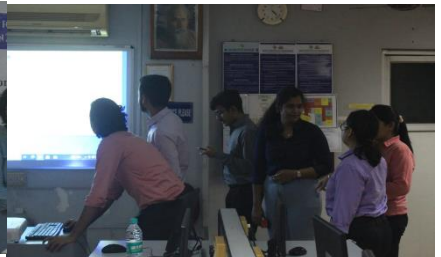
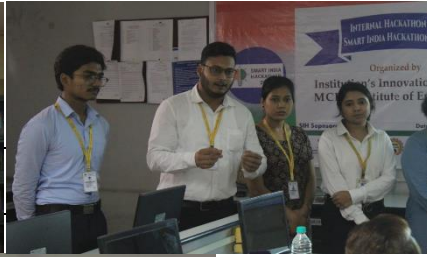
soumyadip.maity@tcs.com

Dr. Debabrata Datta, Adjunct Professor at MCKV Institute Of Engineering, 9930277547

debabrata.datta@mckvie.edu.in



8. Total teams and students participated and photos



SL. NO	Team Name	Name of the Team Leader	Problem Statement	Theme	Category	PS Number
01.	Cyber Thugs	Priyabrata Shee	Create an intelligent system using AI/ML to detect phishing domains which imitate look and feel of genuine domains	Blockchain & Cybersecurity	Software	SIH1454
02	Optimizer	Supriyo Ghosh	Real-Time Vehicle Tracking system	Smart Vehicles	Software	SIH1382
03.	Strivers	Shreyan Pal Chowdhury	Drone based Intelligent Magnetic sensing system and Metallic anomaly detection system	Miscellaneous	Hardware	SIH1414
04	Prayukti Gyan	Sandipan Rakshit	IoT based sensors can be used to determine the Machine Runtime	Agriculture, FoodTech & Rural Development	Software	SIH1395
05	THE PERSUADE RS	HARSH MISHRA	Student Innovation	MedTech / BioTech / HealthTech	Hardware	SIH1479

06.	Neural Neuronaux	Shubham Gupta	Application of Image Analytics for Tree enumeration for diversion of Forest Land.	Miscellaneous	Software	SIH1316
07.	FineTUNERs	Shounak Sarkar	Chatbot to respond to text queries pertaining to various Acts, Rules, and Regulations applicable to Mining industries	Smart Automation	Software	SIH1312
08	Red Hats	Saptarshi Banik	Fake Social Media Profile Detection and reporting	Cyber Security and Blockchain	Software	SIH1364
09.	CodeCrashers	Sinchana Chatterjee	Automated Public Lighting	Smart Automation	Hardware	SIH1300
10.	Innovisionaries	Abhishek Mishra	Using existing CCTV network for crowd management, crime prevention, and work monitoring using AIiML	Smart Automation	Software	SIH1349
11	Teen Titans	Manas Kumar Manna	Using existing CCTV network for crowd management, crime prevention, and work monitoring using AIiML	Smart Automation	Software	SIH1349

12	GenZ	Upayan Chakraborty	Mental health and well-being surveillance, assessment and tracking solution among children.	Smart Education	Software	SIH1433
13	Phantoms	Arijit Saha	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	MedTech/BioTech/ Health Tech	Software	SIH1383
14	Sixth Sense	Akash Banerjee	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	MedTech/BioTech/HealthTech	Software	SIH1383
15	JUSTICE LEAGUE	ADITYA SINGH	Incentives based Design for onboarding Legal Service Providers such as Advocates, Arbitrators, Mediators, Notaries, Document Writers, etc on eMarket Place for extending Legal Services to Citizens in India	MISCELLANEOUS	Software	SIH1286
16	Runtime Terror	ANJALI KUMARI	Student Innovation	Fitness and Sports	Software	SIH1494
17	Steiners	Sibasish Dey	Developing a Blockchain-Based eVault for Legal Records	Blockchain & Cybersecurity	Software	SIH1284

18	Sopranos	Shiwani Soni	Virtual Zoo	Smart Education	Software	SIH1394
19	OptiDoc	Shilajit Roy	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration	MedTech / BioTech / HealthTech	Software	SIH1383
20	VON	PRAHALLAD SAHOO	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	Disaster Management	Software	SIH1440
21	AVINYA	SANJIBANI SAMAL	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	MedTech / BioTech / HealthTech	Software	SIH1383
22	UNITY ELITE	Kunal Das	Making career choices and AI based counselling accessible to every child at secondary level along with aptitude tests and detailed career paths.	Smart Education	Software	SIH1434
23	StrawHats Pirates	Shruti Singh	Student dropout analysis for school education	Smart Education	Software	SIH1362

24	Health Hobbits	Ayush Saha	A software that suggests drugs and formulations for a disease/pharmacological property based on the Ayurvedic classical books/Repositories	MedTech / BioTech / HealthTech	Software	SIH1347
25	Dark Spirit	Sujal Kumar Gupta	Automatic Drug Dispenser	MedTech / BioTech / HealthTech	Hardware	SIH1503
26	Cyber Creepers	Srijita Ghorai	Traditional agricultural practices lack real-time monitoring and efficient operation on fields. This leads to inefficiencies and low production levels.	Agriculture, FoodTech & Rural Development	Software	SIH1352
27	PATHWAY	DEVANSHU SHARMA	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	Disaster Management	Software	SIH1440
28	TI - TEAM OF IN.THINKERS'.....	SUBHAM MONDAL	Ideate and implement a system to enhance the quality of education in rural areas.	Smart Education	Software	SIH1326

29	Bionic Builders	Aftab Mallick	Low-cost Myoelectric Prosthetic Arm	MedTech / BioTech / HealthTech	Hardware	SIH1404
30	CyberSculptors	Mohammad Shakir	Developing a Blockchain-Based eVault for Legal Records	Blockchain & Cybersecurity	Software	SIH1284
31	Eco Nurturers	Mainak Mukherjee	App-Based Solution to identify and solve disease in plants/crops	Agriculture, FoodTech & Rural Development	Software	SIH1401
32	Wired Wizards	Kallol Chakraborty	Centralized Monitoring System for Street Light Fault Detection and Location Tracking	Smart Automation	Hardware	SIH1512
33	Team Paltan	Harsh Baid	Online integrated platform for projects taken up by the students of various universities/colleges	Smart Education	Software	SIH1369

34	BruteForce	Harsh Kumar Singh	Student Innovation	Agriculture, Food Tech and Rular Development	Software	SIH1491
35	Rough & Tough	Roopkatha Chatteraj	Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India	Smart Education	Software	SIH1281
36	CrackHeads	Ahir Barman Maji	Design and Developed a personalized online meeting system for AICTE	Blockchain & Cybersecurity	Software	SIH1464
37	INNOVATORS UNITED	Poulomi Pal	Developing a software for dubbing of videos from English to other Indian regional languages.	Smart Education	Software	SIH1386
38	AUTOBOTS	Bibek Khan	Centralized Monitoring System for Street Light Fault Detection and Location Tracking	Smart Automations	Hardware	SIH1512

39	Team Nirbhay	Sameer Dawood Khan	Centralised Nasha Mukti Database	Miscellaneous	Software	SIH1366
40	TutoGrad	Srijit Sarkar	Online personalized learning remediation/tutoring tool. Search for best teacher for specific topics.	Smart Education	Software	SIH1431
41	O(N)++ SLAYERS	Subhajit Chaudhury	Developing a software that can translate resource material and other texts from English to other regional languages.	Smart Education	Software	SIH1385
42	Syntax Error	Sanchari Pandey	A mobile app that crowd sources water-related problems from around a community, open sources data, etc. and display them on a map.	Disaster Management	Software	SIH1291
43	Code Catalysts	Anirban Kundu	Online Blockchain based certificate generation and validation system for government organization.	Blockchain & Cybersecurity	Software	SIH1365

44	ministry-of-ideas	Nilankan Betal	Augmented/ Virtual reality system for the live training of troops.	Smart Automation	Software	SIH1410
45	Diplomats	Avijeet Sharma	Student Innovation	Agriculture, foodtech & rural development	Software	SIH1478

9. New article if any: Low-cost Myoelectric Prosthetic Arm by Team No. 33 students.

Problem statement: using 3-DPrinting technology for the structure of the prosthetic hand, and servo motors and Arduino for the mechanical purpose, Myoware muscle sensor is responsible for reading the electrical signals generated by muscle.

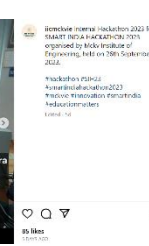
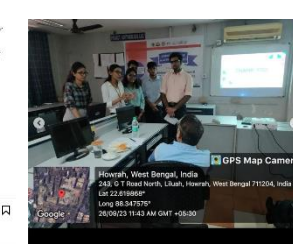
Theme: MedTech / BioTech / HealthTech.

Category: Hardware

10. Twitter/FB/Linkedin for the event organized and promoted on your social media-

INSTAGRAM: <https://www.instagram.com/p/Cxsjctrydqf/?igshid=MTc4MmM1YmI2Ng==>

11. Use of hashtags such as #sih2023 #smartindiahackathon2023 is must / 12. Tag official page of innovation cell, ministry of education on twitter.



Arkadeep Goswami

Arkadeep Goswami

SPOC, SIH 2023
Asst. Professor, CSE
MCKVIE