

Smart India Hackathon 2023

Internal Department Hackathon Report

1. About the event

Smart India Hackathon is a nationwide initiative to provide students with 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.

SIH 2023 brings the next generation evolution by inclusion of new methodology to inculcate the culture of startup and innovation ecosystem in young minds, especially engineering students from across India.

An internal hackathon for selecting teams for Smart India Hackathon-2023 was conducted on 25th September, 2023 in the Department of Computing, Coimbatore Institute of Technology from 1.00PM, Coimbatore. Totally 66 teams participated from four different branches of integrated MSc degree programme. The team were as follows.

- MSc Software systems – 18 teams
- MSc Data Science -19 teams
- MSc Decision and Computing Sciences -14 teams
- MSc Artificial Intelligence and Machine Learning – 16 teams

There were a total of 12 panels with 2 jury members for each panel, one expert from industry and one internal faculty member who awarded marks. Top 2 teams were selected for each programme and totally 8 teams were shortlisted from 66 teams.

The department co-ordinators of all the four programmes concluded the event after distributing the mementos to the jury members.

2. Photos of event organized





Data Science



Decision and Computing Sciences



Artificial Intelligence and Machine Learning



4. Judging Process

Internal jury and external jury evaluated the teams for 200 marks based on criteria such as problem understanding, algorithm proposed, innovativeness of the proposed algorithm, feasibility of prototype development and presentation of the idea.

5. Jury Panel Photos and relevant details

Software Systems

Internal Jury	External Jury	Photos
---------------	---------------	--------

<p>Ms V .Shanthi Assistant Professor , Computing - Software Systems</p>	<p>Mr Ruthsan , SDE, Quinbay</p>	
<p>Dr Umarani.R, Associate Professor , Computing -Decision and Computing Sciences</p>	<p>Mr Rahul Gowda, Software Engineer in OPTISOL</p>	
<p>Dr M.Srividhya , Assistant Professor , Computing -Data Science</p>	<p>Mr Samuel Naveen, Healthcare Data Analyst, EXL Health</p>	

Data Science

Internal Jury	External Jury	Photos
Dr.N.Yamuna Devi Associate Professor, Computing - DCS	Mr.A. Yashvanthan Machine Learning Engineer, OptiSol Business Solution.	
Dr. E.Chandra Blessie Assistant Professor, Computing (AIML)	Mr.S.Mohan Raj, Director, Sales, Sierra Digital Inc., Coimbatore.	
Dr.N.Vanitha Assistant Professor, Computing (AIML)	Mr. Abhishek, Senior Architect, Big DA, Bosch Global Sw Tech	

DCS

Internal Jury	External Jury	Photos
Dr. S. B. Mahalakshmi, Assistant Professor, Computing - AIML	Hariharan M Program Manager, Bosch Global Sw Technologies	
Dr. M. Sujithra, Assistant Professor, Computing - DS	Tejaswin Data Analyst, Merkle	

Dr. R. Jayarani, Associate Professor, Computing - SS	Sathyapriya, Oracle	
--	------------------------	---

Artificial Intelligence and Machine Learning

Internal Jury	External Jury	Photos
Dr.D.Sudha Devi	Kishore Balaji S Dataand Analytics Consultant, Thorogood Associates	
Dr.D.Anandhi	Sanjay Krishna Software Engineer, Informatica	
Dr.V. Savithiri	E.Gowtham Machine Learning Engineer (OptiSol)	

6. Nominated top teams

Software Systems

Team Title :Using existing CCTV network for crowd management, crime prevention, and work monitoring using AiIML						
Team	Name	Ge nde (M/ F)	Email id	Mobile No	Strea m	Year

Leader	Shakthivel K	M	71762131046@cit.edu.in	7708112834	Smart Autom ation	M.Sc (SS) – III Year
Members	Shajith Rooban G G	M	71762131045@cit.edu.in	9489425649		
	Tarun S R	M	71762131056@cit.edu.in	8870881201		
	Lokhesh R J	M	71762131026@cit.edu.in	6379273963		
	Balasuriya P	M	71762131009@cit.edu.in	9363221893		
	Preethika T	F	71762131037@cit.edu.in	8903422303		

Team Title:PS ID : SIH - 1365

PS TITLE : Online Blockchain based certificate generation

Leader	ADARSH S	M	71762231002@cit.edu.in	9965865859	BLOC KCHA IN AND CYBE RSEC URIT Y	M.Sc (SS) – II Year
Members	ANUGRAHA VS	F	71762231003@cit.edu.in	9698023992		
	ARUL S	M	71762231006@cit.edu.in	9342346163		
	KHANEEZKKAR RAJH NP	M	71762231026@cit.edu.in	8148310507		
	SIDDARTH	M	71762231053@cit.edu.in	882563190		
	SHREYA S	F	71762231052@cit.edu.in	6374430539		

Data Science

Team Title : Cloud Burst Prediction.						
Team	Name	Gender (M/F)	Email id	Mobile No	Stream	Year
Leader	RIZANUMA T	F	71762132035@cit.edu.in	9894074180	Software (Disaster Management)	M.Sc (DS) – III Year
Members	ARAVIND M S	M	71762132007@cit.edu.in	9345703033		
	KAMALI R	F	71762132016@cit.edu.in	6383731032		
	KRUPA J S	F	71762132021@cit.edu.in	8754620940		
	ANUSH PRANAV J R	M	71762132006@cit.edu.in	9385984739		
	SRI BHAVAN PRAKATH B	M	71762132047@cit.edu.in	9944206566		
Team Title: Student dropout analysis for school education.						
Leader	HARI PRIYA.K	F	71762232014@cit.edu.in	9566610156	Software	M.Sc (DS)

Members	THANISHKA.R	F	71762232054@cit.edu.in	9442924008	(Smart Education)	– II Year
	RITHIKA.S	F	71762232042@cit.edu.in	8807947146		
	ARAVIND.S	M	71762232003@cit.edu.in	8754781202		
	UMAR AKEEL.V.M	M	71762232057@cit.edu.in	9688141436		
	MUKUND VINAYAK.H	M	71762232032@cit.edu.in	7358800290		

Decision and Computing Sciences

Team	Name	Gender (M/F)	E mail id	Mobile No.	Stream	Year
Team Title : 360-degree feedback software for the Government of India related News Stories in Regional Media using Artificial Intelligence / Machine Learning						
Leader	Omprakash .S	M	omprakash.sr2410@gmail.com	8939638419	Automation	2023
	Gowsikkan .S	M	gowsikkan.s2000@gmail.com	9344926947	Automation	2023

Members	Abirami .R	F	2033002mdcs@cit.edu.in	9003764378	Automation	2023
	Dhinesh Kumar .S	M	dhineshkumar4645@gmail.com	9655911979	Automation	2023
	Hanish Kumar .S	M	hanishs1302@gmail.com	9150748361	Automation	2023
	Lekha Sri Pooja .V	F	lekhavenkatt159@gmail.com	7010465372	Automation	2023

Team Title : App based solution to identify and solve disease in plants/crops

Leader	Vaisaali Priyanka .R	F	rvaisaali677@gmail.com	7598682805	Agriculture, Food Tech & Rural Development	2023
Members	Bhavatharini C	F	havatharini06@gmail.com	7418445928	Agriculture, Food Tech & Rural Development	2023
	Gayathri .S.K	F	kgayathri0504@gmail.com	6379479945	Agriculture, Food Tech & Rural Development	2023
	Tharunika KM	F	tharunika106@gmail.com	6383567324	Agriculture, Food Tech & Rural Development	2023

Rithanya .G.V	F	rithanya21072004@gmail.com	9629436225	Agriculture, Food Tech & Rural Development	2023
Vikash .V.D	M	vikashdevarajan@gmail.com	6385286710	Agriculture, Food Tech & Rural Development	2023

MSc. AI&ML Finalist Names

Team Title : Chatbot to respond to text queries pertaining to various Acts, Rules, and Regulations applicable to Mining industry

Team#1	Name	Gender (M/F)	Email id	Mobile no.	Stream	Year
Leader	Rithanya R B	F	2034040aiml@cit.edu.in	99024 19524	AI&ML	IV
Members	Kedareshwar K S	M	2034024aiml@cit.edu.in	97916 42132	AI&ML	IV
	Suriya Prashanna J	M	2034053aiml@cit.edu.in	93459 65296	AI&ML	IV

	Sellamuthu selvabharathi S	M	2034044aiml@cit.edu.in	93907 53937	AI&ML	IV
	Bharath	M	2034012aiml@cit.edu.in	6379 592 766	AI&ML	IV
	Dhyaneshwaran K	M	2034015aiml@cit.edu.in	98943 12036	AI&ML	IV
Mentor 1 (Optional)	Dr.E.Chandra Blessie					
Mentor 2 (Optional)	Dr.N.Vanitha					

Team Title: AI Assisted Telemedicine KIOSK for Rural Development

Team	Name	Gender M/F	Email ID	Mobile no.	Stream	Year
Leader	Abilash Pandian.V	Male	71762134002@cit.edu.in	6369625511	AIML	III
Members	Santosh.V	Male	71762134043@cit.edu.in	8124430118	AIML	III
	Madhumith R	Male	71762134026@cit.edu.in	9360240951	AIML	III
	Vetrivel M	Male	71762134058@cit.edu.in	9345895902	AIML	III

	Suganesh R	Male	71762134049@cit.edu.in	7538809989	AIML	III
	Kausika.P	Female	71762134022@cit.edu.in	7502520352	AIML	III
Mentor 1	Dr.S.B.Mah alakshmi					
Mentor 2	Dr.Dr. R. Sudha Muthusamy					

7.Judges photos and details



Kishore Balaji S, Dataand Analytics Consultant, Thorogood Associates, kishorebalaji.s@thorogood.com, 8825655093



Samuel Naveen V, Healthcare Data Analyst, EXL Health, Samuel.v@exlservice.com 9884694735



Thejasvin V M, Data Analyst, Merkle, thejasvin09@gmail.com, 9487821558



Ruthsan R, SDE, Quinbay, ruthruthsan@gmail.com, 8870289346



Sanjay Krishna, Software Engineer, Informatica, sanjaykrishna031@gmail.com, 9791972968



Sathya Priya, Oracle, Sathiya.sivabalan@gmail.com, 9578238999,



Abhishek Gopalakrishnan Senior Architect, Big DA, Bosch Global Sw Tech
abhishek.gopalakrishnan@in.bosch.com, 9741957996



Mr. Hariharan M, Program Manager, Bosch Global Sw Technologies,
muthukumar.hariharan@in.bosch.com, 9880018855



E. Gowtham Machine Learning Engineer (OptiSol),
gowtham.e@opitsolbusiness.com, 97870 26445

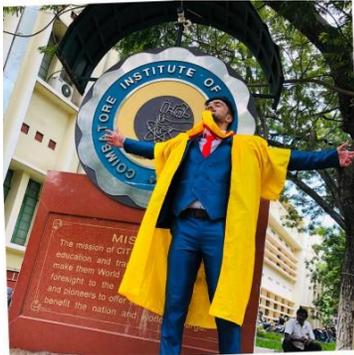


M.S.Mohanraj Director, Sales, Sierradigital Inc
Coimbatore, m.selvaraj@sierradigitalinc.com, 9944181354.

A.Yaswanthan Machine Learning Engineer, OptiSol,
yaswanthan.aravindhan@optisolbusiness.com 94882 27166



Ragul Gowda Software Engineer, OptiSol ragul.m@optisolbusiness.com 82488 41517



8.Total teams and students participated and photos

There were a total of 66 teams from MSc. SS, DS, DCS and AI&ML. A snapshot of the teams are given below.

Software Systems - 18







Decision and Computing Sciences - 14





Artificial Intelligence and Machine Learning - 16 Teams



9. News article if any..

10. Twitter/FB/LinkedIn link for the event organized and promoted on your social media

11. Use of hashtags such as #sih2023 #smartindiahackathon2023 is a must.

12. Tag official page of innovation cell, ministry of education on twitter

