

COIMBATORE INSTITUTE OF TECHNOLOGY

(A Government Aided Autonomous Institution Affiliated to Anna University & Accredited by NBA & NAAC)

Institution's Innovation Council

Smart India Hackathon 2022

(CIT - Internal Hackathon – Final Selected Teams)

Smart India Hackathon SIH 2022 supported by AICTE, MoE and Innovation Cell, GOI was conducted by IIC of Coimbatore Institute of Technology, Coimbatore to inculcate the knowledge on Hackathon.

As per the direction of SIH 2022 rules and regulations, students were given the privilege of selecting various problem statements and team them up accordingly. As per the suggestions of SIH 2022 the students were advised to take up the problem statement which were not attempted earlier.

Students were enthusiastically participate in SIH with true spirit and zeal. Various teams were participated in Hardware/Software and try to come out with proven results.

We invite the Juries from both Industry and Academic with high calibre for evaluation process and various parameters such as innovative idea, social relevance, Implementation etc., were considered for final team selection. Many young faculty members as coordinators also involved in is also noteworthy.

Some of the Problem Statements are

- Smart bin for waste management
- Safety methodology for construction site
- Student innovative /smart system to ensure wearing helmet
- Smart device for assisting virtually challenged
- Geotagging of educational institutions
- Consensus of hourly visibility forecast for airports using nwp model and observations
- Student innovation – e-governance platform
- Indoor navigation for museums
- Work clothing that has sensors embedded in it to securely transmit data to managers about hazardous conditions and the worker's physical conditions, improving safety overall
- Sustainable and no contact attendance system

- The issue of conversion of excess milk to skimmed milk powder and less demand lead to blockage of capital for dairy industry. The alternate for conversion of excess milk may be explored.

Develop a mobile app for 'track the missing child' using facial recognition

Congratulations

Selected Top Teams

Team : Smart_Bin _Waste_Management

Team	Name	Stream	Year
Leader	AMEER SULTHAN I	Civil Engineering	3
Members	HEMA S	Civil Engineering	3
	VISWA J V M S	Civil Engineering	3
	GOKULA SARAVANAN S	Civil Engineering	3
	SHIDDESHWAR R	Civil Engineering	3
	RISHWANTH A V K	Civil Engineering	3
Mentor 1	Dr. K. Nithyapriya	Civil Engineering	Assistant Professor
Mentor 2	Dr. N. Saranya	Civil Engineering	Assistant Professor

Team : Safety_Methodology_Construction_Site

Team	Name	Stream	Year
Leader	SENTHUR KUMARAN M	Civil Engineering	3
Members	AMIRTHA PRIYA A	Civil Engineering	3
	SHAKTHI K	Civil Engineering	3
	KARTHIKA SREE A	Civil Engineering	3
	NITHYA R	Civil Engineering	3
	VHISHVA LAXMY V P	Civil Engineering	3
Mentor 1	Dr.C.Shankar	Civil Engineering	Assistant Professor
Mentor 2	Col(Retd) Jacob G Podipara	Civil Engineering	Associate Professor

Team :Student_Innovation_Smart_System_Ensure_Wearing_Helmet

Team	Name	Stream	Year
Leader	SUDARSHANAN K.M	Mechanical	2
Members	HARIHARAN K.S	Mechanical	2
	CHINMAYA MAHADEV M.N	ECE	2
	MAITHREYE.S.R	ECE	2
	YASWIN S.G	Mechanical	2
	SREE SIVARANJINI M	Mechanical	2

Team : Smart_Device_Assisting_Virtually_Challenged

Team	Name	Stream	Year
Leader	JAIBARATHRAJ .N	Mechanical	2
Members	IMTHIYAS MOHAMMED J	Mechanical	2
	PURUSHOTTMAN MISHRA D	Mechanical	2
	MAHALAKSHMI P	Mechanical	2
	PREETHI R	ECE	2
	VASANTH S	Mechanical	2

Team : Geotagging of Educational Institutions

Team	Name	Stream	Year
Leader	Ramalingam M	Electrical & Electronic Engineering	3
Members	KephaRhenie S E	Electrical & Electronics Engineering	3
	Venkatesan A	Electrical & Electronics Engineering	3
	Syed Abdul Haq S	Electrical & Electronics Engineering	3
	Vijeandrrah N L	Electrical & Electronics Engineering	3
	Sanjay JY	Electrical & Electronics Engineering	3
Mentor 1	Dr.M.Packiasudha	Electrical & Electronics Engineering	Assistant Professor
Mentor 1	Mr. V. Ezhilan	Electrical & Electronics Engineering	Assistant Professor

Team : Consensus_hourly_visibility_forecast_airports_NWP

Team	Name	Stream	Year
Leader	Vigneshwar LU	Electrical & Electronic Engineering	3
Members	Jotheeswaran N	Electrical & Electronics Engineering	3
	Aravind M	Electrical & Electronics Engineering	3
	Murugalakshmi M	Electrical & Electronics Engineering	3
	Soundarya M	Electrical & Electronics Engineering	3
	Vigneswari G	Electrical & Electronics Engineering	3
Mentor 1	Dr. P. Jagadesh	Electrical & Electronics Engineering	AP
Industrial mentor	Mr.R. Suresh Ram	Bosch Global Software Technologies	Industry

Team : Student Innovation – eGovernance Platform

Team	Name	Stream	Year
Leader	AaquilAhamed	EEE	2
Members	Saicharan.T	Mechanical	2
	Tamilarasan.S	EEE	2
	Karupaiyachu	CSE	2
	Meenupriya. P	MSC SS	2
	Santhosh.S	CSE	2
Mentor 1	Dr.A.N.Senthilvel	CSE	2
Mentor 2	Dr.A.Saravanan	MSC SS	2

Team : Indoor navigation for museums

Team	Name	Stream	Year
Leader	Krishnakumar V	CSE	2
Members	J Y Sanjay	CSE	2
	Arvind V	CSE	2
	Karthikraman R	CSE	2
	Harinivas P	CSE	2
	Harshini D	CSE	2

Team : Work_Clothing_Sensors_Embedded

Team	Name	Stream	Year
Leader	Harshavarthana M	ECE	3
Members	Amirthavarshini R	ECE	3
	Atchaya B	ECE	3
	Kiruthika A	ECE	3
	Kiruthika P S	ECE	3
	Raghavi R	ECE	3

Team : Sustainable_Contact_Attendance_System

Team	Name	Stream	Year
Leader	Sathish P	ECE	3
Members	Anuja V	ECE	3
	Mythily A	ECE	3
	PriyaDharshini C	ECE	3
	Sherjeel Amin	ECE	3
	Sujitha R	ECE	3

Team : Conversion_Excess_Milk_Skimmed_Milk

Team	Name	Stream	Year
Leader	N.G. Sachin	Chemical Engineering	3
Member	P. Anisha	Chemical Engineering	3
	S. Anitha	Chemical Engineering	3
	L. Selvakeerthana	Chemical Engineering	3
	J. Hemanth	Chemical Engineering	3
	M. Palani	Chemical Engineering	3
Mentor 1	Dr. A. Gnanaprakasam	Chemical Engineering	Associate Professor
Mentor 2	Dr. P. Sivakumar	Chemical Engineering	Assistant Professor

Team : Track_Missing_Child_Facial_Recognition

Team	Name	Stream	Year
Leader	Dhakshesh T	Information Technology	3
Members	MukunthVaibhav G	Information Technology	3
	JaivantAnnaamalai S	Information Technology	3
	Sakthivel S	Information Technology	3
	Navin Kumar	Information Technology	3
	R. Keerthi	Information Technology	3

Team : Automatic_Notes_Maker_Audio_Recordings

Team	Name	Stream	Year
Leader	SHARULATHA N	AI&ML	3
Members	KASI VISWANATHAN	AI&ML	3
	AVANTHIKA KARTHIKEYAN	AI&ML	3
	SUBASH S	AI&ML	3
	TARUN KUMAR I S	AI&ML	3
	SANJAYPRANAV V M	AI&ML	3
Mentor 1	SHANA JAYACHANDRAN	AI&ML	Associate Professor
Mentor 2	PRIYA DHARSHINI	AI&ML	Assistant Professor

Team : Number_Plate_Moving_Vehicles_Coal_Mine

Team	Name	Stream	Year
Leader	KISHORE S	AI&ML	3
Members	AATHESHWARAN M	AI&ML	3
	KAVYA KANNAN	AI&ML	3
	KISHORE KUMAR D	AI&ML	3
	SAMIKSHA I	AI&ML	3
	SARAN PRASATH A R	AI&ML	3
Mentor 1	SHANA JAYACHANDRAN	AI&ML	Associate Professor
Mentor 2	PRIYA DHARSHINI	AI&ML	Assistant Professor

Photos of the Event Organized

