

**INSTITUTION INNOVATION COUNCIL (IIC)
AVIT INTERNAL HACKATHON - 2020 (AIH-2020)**



The banner features a central blue ribbon with the text "Internal Hackathon for Smart India Hackathon 2020". To the left is a logo for "SMART INDIA HACKATHON 2020" depicting a brain with binary code. To the right, it specifies the event details: "DATE : 22nd JAN 2020 | VENUE : AUDITORIUM | TIME : 10:00 AM". The banner also includes logos for organizers (MHRD, MIC, AICTE, Persistent, IIC) and a platinum partner (AWS). At the bottom, it lists partners (DEVNET, KPIT) and a communication partner (SumaSoft), along with social media handles for AVIT Chennai and the website www.avit.ac.in.

Institution Innovation Council (IIC) – AVIT in association with Innovative Product and Incubation Centre (IPIC) – AVIT had organized an AVIT Internal Hackathon 2020 (AIH 2020) on 22.01.2020 for scrutinizing the Student Innovative Projects for submission in “Smart India Hackathon – 2020”. The Internal Hackathon was conducted in accordance with the Problem Statements in the areas of Smart Communication, Agriculture and Rural Development, Food Processing, Waste Management, Renewable Energy, Health care & Biomedical devices, Smart Vehicles, Robotics & Drone, Clean water, Security & Surveillance, Miscellaneous.

The students from various branches of Engineering participated enthusiastically and came up with innovative ideas. Nearly 17 ideas were presented and judged by an Internal Expert Panel Members. Out of which 7 Projects (5 Software & 2 Hardware) were scrutinized by the Panel members.

Panel Members for Internal Hackathon:

Dr. D. Vijendrababu, Vice Principal (Part Time Studies)
Prof. P. Rajasekaran, Vice Principal – Administration
Prof. L. Prabhu, Head – Mechanical Engineering
Dr. R. Ravindran, Professor & Head – Biomedical Engineering
Dr. D. Bubesh Kumar, Professor – Mechanical Department

List of Projects submitted for AVIT Internal Hackathon – 2020 (AIH-2020)

S.No	Team Leader Name	Department	Title	Problem Statement Title	Category	Organization	Problem statement Number	Domain Bucket
1.	Mr. Kunal Kaushik	Biomedical	Cost effective methods to treat waste water in villages	Design and develop Cost effective mechanisms to treat waste water in small villages	Hardware	Andhra Pradesh Innovation Society, ITE&C Department	VS19	Clean Water
2.	Mr. Nishanth Raj	Mechanical	IC Engine operated chain drive sapling pit auger	Student Innovation	Hardware	AICTE-MIC	IC481	Agriculture and Rural Development
3.	Ms. Sunkrutha	EEE	Flare	Interactive map application for real time crime reporting	Software	Bureau of Police Research & Development	RK60	Security & Surveillance
4.	Mr. B. Shivanand	CIVIL	Portal for Farmers to sell Products	Portal for Farmers to sell the produce at a better rate	Software	CDK Global	RA27	Agriculture and Rural Development
5.	Mr. Alok Shri	CSE	Smart Management of Food storage and waste management	Smart Management of Food Storage and Waste Reduction	Software	Department of Scientific and Industrial Research	AG50	Waste Management
6.	Mr. Mohammed Aslan	EEE	Fault Prediction and identification in power line with tariff intimation to customer using "Energy App" for Industrial and Household sector	Prediction of tariff rate	Software	TCI	PU131	Miscellaneous
7.	Ms. K. Vani	CIVIL	Better and Faster emergency care during accidents and vehicles	Better and faster emergency care during accidents and vehicle impact.	Software	CDK Global	RA25	Smart Communication

8.	Ms. Dipti Kumari	ECE	Solar Powered Smart Irrigation System	Solar Powered Smart Irrigation System	Hardware	Govt. of Uttarakhand	MK98	Agriculture and rural development
9.	Mr. K. Balan	ECE	IOT based Noninvasive type measurement of Physiological parameter in working environment of humans	The solution should support centrally monitoring of group of security personnel	Hardware	Dte of IT & Cyber Security, DRDO	CK117	Healthcare & Biomedical Devices
10	Mr. Syed Khadeer Ahmed	ECE	Delivery of essential medicines by Drones in hilly areas	Delivery of essential medicines by Drones in hilly areas	Hardware	Ministry of Health and Family Welfare	SS44	Robotics and Drones
11	Kyrshanlan g ki Khyrniam	CIVIL	Development Of Piezo Based Warning Device For Unlit Roads	Smart Communication	Hardware	MIC	IC480	Smart Communication
12	Mr.	EEE	Fertilizer Spreading System Using The Scooter For Agriculture Application	Spraying insecticides to crops is currently a major problem to Indian farmers	Hardware	Gov of Uttarakhand	MK96	Agriculture and rural development

List of Projects selected for Smart India Hackathon

S.No	Team Leader Name	Department	Title	Problem Statement Title	Category	Organization	Problem statement Number	Domain Bucket
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Event Photos:

