

**PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)
KANURU, VIJAYAWADA-7
INSTITUTION'S INNOVATION COUNCIL
Internal Hackathon**

Report on Institute-Level Internal Hackathon for (SIH 2024) Selection

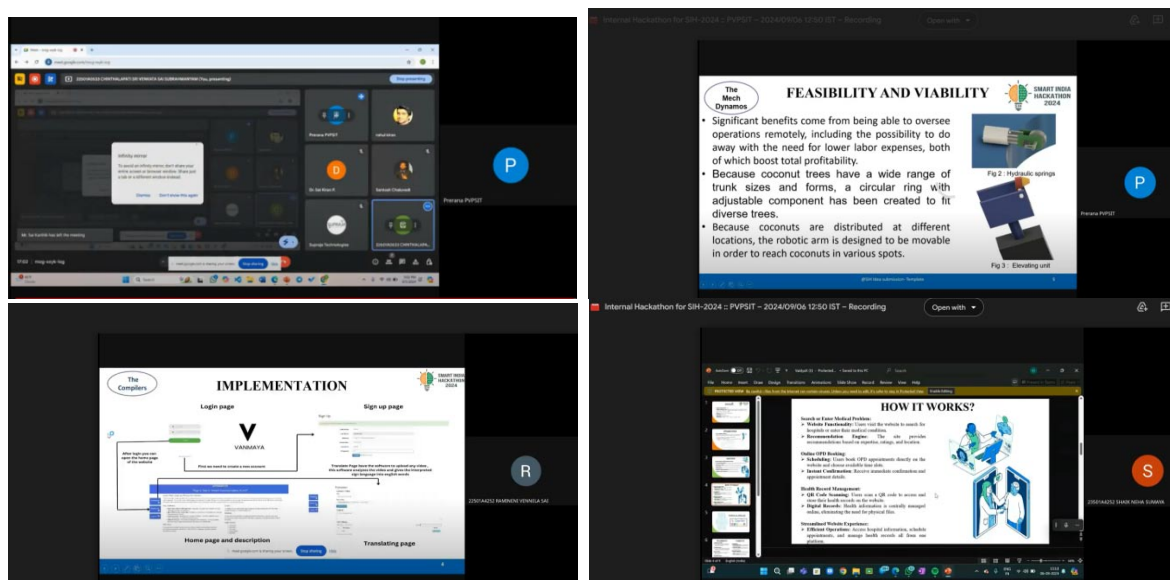
About the Event:

The Institute Innovation Council (IIC) of Prasad V Potluri Siddhartha Institute of Technology organized an INTERNAL HACKATHON on 5th and 6th of September, 2024 as per the guidelines of SMART INDIA HACKATHON 2024. The event was coordinated by Dr. V. Jagadish, Convener IIC and Dr. A. Haritha, Coordinator IIC and SPOC for SIH 2024. The event was also graced by the presence of Dr. K. Sivaji Babu, President IIC PVPSIT.

The event was hosted in online mode. This event held immense significance as a precursor to the Smart India Hackathon 2024 (SIH 2024). The primary objective of this hackathon was to identify and select the most promising teams that would represent our institution in the prestigious SIH 2024 finals. Students

identified various problem statements in both Software and Hardware categories given in the SIH problem statements portal and came up with innovative and feasible solutions to the adopted problem statements. This event was more than just a competition; it was a platform for fostering innovation, encouraging collaboration, and nurturing problem-solving skills among our talented student community.

A total of 64 teams participated with 384 students from the departments of Computer Science, Information Technology, Electronics and Communication Engineering, Electrical and Electronics Engineering, Data Science, AI & ML and Mechanical Engineering participated in the event. 156 from Female category and 228 from male category took part in this event.



About the Problem Statement

A cornerstone of this Hackathon was the careful selection of problem statements. These problem statements encompassed a wide spectrum of domains, ranging from technology and healthcare to social and environmental challenges. By doing so, the event aimed to challenge participating teams and inspire them to craft innovative, practical solutions to real-world problems. This diversity of problem statements showcased the versatility of our participants and their ability to tackle multifaceted issues.

Problem Statements

Some of the problem statements chosen by our students are

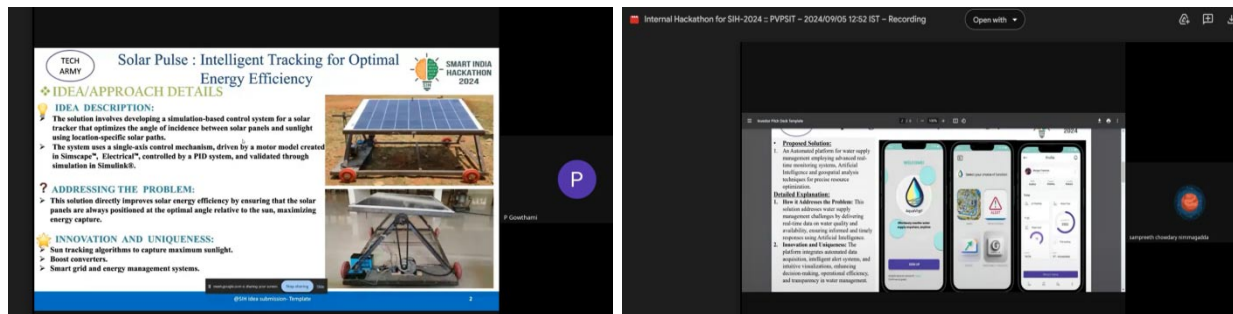
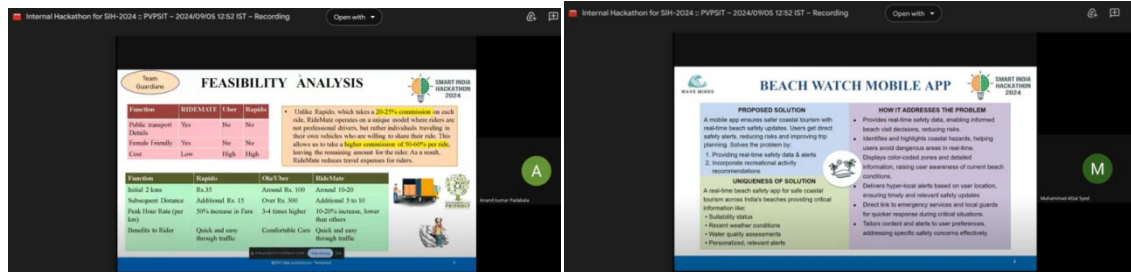
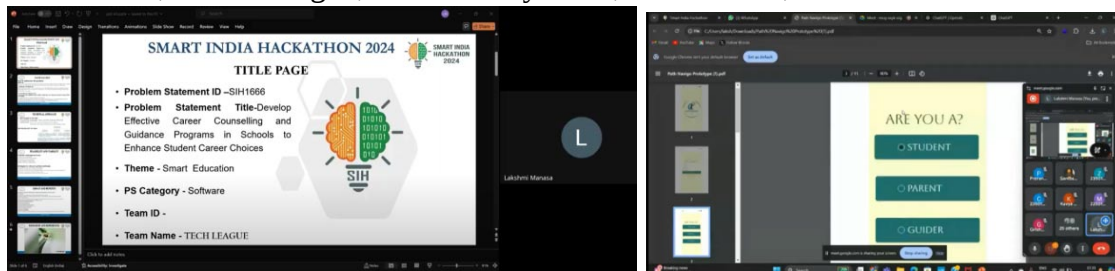
- Create a Virtual Herbal Garden that provides an interactive, educational and immersive experience to users, showcasing the diverse range of medicinal plants used in AYUSH.
- Develop a Smart Yoga Mat integrated with Artificial Intelligence (AI) capabilities to support smart watch integration for tracking progress.
- AI based acoustic wave monitoring of rail defects like crack, fracture and prediction for rail wear, quality.

- Addressing the growing pressures on city's resources, transportation network and logistic infrastructure.
- Mobile App for direct access for farmers
- Mobile App for recreational sustainability information on beach locations.
- Constitution in simple manner
- Learning App for deaf and sign language detection

Participating Teams

This hackathon was made richer by the presence of diverse and enthusiastic teams with creative names that reflected their spirit of innovation:

- Echosentinal, Team Guardians, Problem Seekers, Lingualinkers, Kingsman, Smashers, Vegitos, codeastra, TECH TITANS, Freggie, The Incredibles
- Data Drafters, Edu – Changers, The Mech-Dynamos, InnoMachina, Sustainable Skies



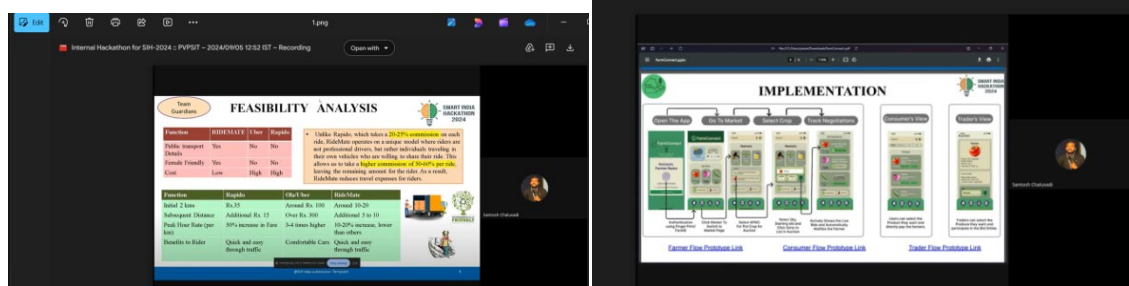
Judging Process

The judging process was designed to be robust and comprehensive, ensuring a fair assessment of all projects. Our esteemed jury panel, comprising experts from relevant domains, evaluated the solutions based on the following criteria:

Appropriateness to the problem statement
 Innovativeness of the approach
 Feasibility and practicality of the solution
 Quality and efficiency of the implemented solution

Jury Panel

Our jury panel are individuals with a wealth of expertise and experience in their respective fields. Their insights and guidance added significant value to the evaluation process, and we are grateful for their participation.



Nominated Top Teams

After careful evaluation, we are pleased to announce the top-performing teams that will represent our institute in the SIH 2024 finals. These teams have demonstrated exceptional problem-solving abilities and innovation in their solutions. The Nominated Teams are

Sl.No	Category	PS Number	Theme	Roll Number	Year	Name
1	Software	1586	Smart Education/ Completed	21501A0582	IV	Sai Vardhan Simha Kavuri
				22501A05F9	III	Sasanam Mohit
				21501A0469	IV	Bharath Narasimha Rao Madakam
				21501A05A5	IV	Majji Sivani
				22501A05J4	III	Vikurti Srija
				22501A05J5	III	Vuyyuru Keerthi Reddy
2	Hardware	1537	MedTech / BioTech / HealthTech 3-4	22501A0533	III	Chinthalapati Sri Venkata Sai Subrahmanyam
				22501A0502	III	Abdul Azeez
				22501A0503	III	Abdul Jabbar
				21501A0249	IV	K. Avani Sree
				21501A0288	IV	V. Rishitha
				21501A0287	IV	S. Veda Sri
3	Software	1600	Student innovation	22501A4263	III	Terli Hemanth
				22501A4213	III	D.Yashwanth
				22501A4266	III	Y.Tanooj Reddy
				22501A4258	III	D.Shyam

4	Software	1605	Miscellaneous	22501A4259	III	P.Prabhas Reddy
				22501A4252	III	P.Sujaya Raghavi
				21501a12a8	IV	Sk.Arif
				21501a05g5	IV	S.Likitha
				23501a1290	II	P.Dinesh
				23501a1284	II	N.Manasa
5	Software	1607	Smart Automation	23501a1278	II	Md.Shaista
				23501a12b4	II	Sk.Sazida
				21501A0282	IV	Tummala Durga
				22501A0235	III	Narra Sai Divyesh
				22501A0228	III	Jayesh kumar Kothari
				23501A0213	II	Chinda Sai Srujana
				23501A0247	II	Polana Kamal Kalyan
				23501A0207	II	Birudhugadda Prathyusha

6	Hardware	1536	Agriculture, FoodTech & Rural Development/ completed	22501A0541	III	Dirisala Bhargavi
				22501A0540	III	Dhevanaboina Renuka Venkata Padma
				22501A0527	III	Buddavarapu Gowthami Priya
				22501A05E3	III	Pedapudi Meghana
				22501A0509	III	Aluri Sindhu
7	Software	1555	MedTech / BioTech / HealthTech 1-2/ completed	22501A0524	III	Bhukya Sowmya
				22501A0544	III	E Shelian Gladis
				22501A0508	III	Alluri Meenakshi
				22501A0515	III	Appana Harini
				22501A0534	III	Chitta Sri Lakshmi Meghana
8	Hardware	1584	Transportation & Logistics 2-3/completed	22501A0542	III	Eda Durga Sri Lahari
				22501A0546	III	Galeti Lakshmi Priyanka
				22501A0505	III	Akuri Naimisha
				22501A05A5	III	Mareedu Sri Hari
				22501A0528	III	Burra Toojitha Thanu Sri
9	Software	1589	Blockchain & Cybersecurity /completed	21501A0520	IV	Bokinala Abhishek Sundar
				22501A0528	III	Burra Toojitha Thanu Sri
				21501A0509	IV	M. Venkata Varun
				21501A05C8	IV	Nidumolu Akhila
				21501A05A9	IV	Manikonda Kumara Sai
10	Software	1594	Transportation & Logistics Completed 1-2,	21501A05B9	IV	Movva ManojKumar
				21501A05B8	IV	Bingi Mownika
				21501A0574	IV	Kandra Tarunbabu
				21501A05C2	IV	Nakkina Dhanusri
				22501A05D3	III	Padakala Anand Kumar
				22501A05D9	III	Pathivada Harsha Vardhan
				22501A05E4	III	Peddibhotla Sree Satya Harsha
				22501A0598	III	Chaitanya Varma Lanke

				22501A05D4	III	Lavanya paidimukkula
				22501A05D5	III	Kamal siddardha parasa
11	Software	1607	Smart Automation 3-4/ Completed	23501A05E2	II	Ponna Anand Raj
				23501A05D6	II	Parasa Gaius
				23501A05J4	II	Yalamanchilli Nihar
				Cse Le304	II	Rajanala Kumari
				Cse Le303	II	Padavala Sravya
				23501A05F5	II	Shaik Mohammad Hussain
12	Software	1610	Smart Education	23501A05A6	II	Maddula Poshanya Guptha
				23501A0577	II	K.BHARADWAJ
				23501A0581	II	K.Yoshitha Navya
				23501A0573	II	K.Sruthi
				23501A05D0	II	N.Sri Charanya
				23501A05C4	II	M.Bhavya Sai Sree
13	Hardware	1527	Disaster Management	22501A05D0	III	Nimmagadda Sampreeth Chowdary
				22501A0549	III	Garapati Gowtham Chowdary
				22501A0584	III	Kistamsetti Sai Lalith
				22501A05D6	III	Parimisetti Sai Advait
				22501A05B6	III	M. Vekata Ruthvik
				22501A05I4	III	Tummmuru Vimala Reddy
14	Software	1632	Smart Education	21501A05J7	IV	Yasaswi Bommanaboina
				21501A05F5	IV	Samala Neelima
				21501A05E3	IV	Pothula Shashank Srivaatsava
				21501A05G7	IV	Tadepalli Santhosh
				21501A05H6	IV	Undurthi Varshita
				21501A05I5	IV	Vechalapu Tejaswini
15	Hardware	1556	MedTech / BioTech / HealthTech	23501A05D1	II	N Sudha
				22501A05G2	III	Sk. Irfan Haris
				21501A05C0	IV	Mudavath Nikhil Singh Chowhan
				23501A0562	II	K. Charishma
				23501A0570	II	Keerthana Rachel. Vakapalli
				23501A0506	II	Alapati Varun Satya
16	Software	1637	Agriculture, FoodTech & Rural Development/ completed	22501A05E0	III	Pavan Kumar Chennupati
				22501A05G7	III	Siddhartha Sai Venkat Yalamanchili
				22501A05F2	III	Puvvada Mithil
				22501A05H9	III	Tatiparthi Tej Mahendra Reddy
				22501A05I3	III	Tippireddy Yogitha
				22501A05I5	III	Tungala Revanth
17	Software	1644	Renewable Sustainable Energy/ completed	22501A05I8	III	Vallabhaneni Sumanth
				22501A05J2	III	Veeranki Phani Sirisha
				22501A05I7	III	Vallabhaneni Danush
				22501A05I0	III	Thirandhi Ramya

				22501A0511	III	Sreekar .P
				22501A0547	III	Lokesh .G
18	Software	1656	Travel & Tourism 1-2/ Completed	22501A05H5	III	Syed Muhammad Afzal
				22501A05J1	III	V. Vijaya Sai Vignesh
				22501A05J8	III	Yarlagadda Eswar Aditya
				22501A05G1	III	Shaik Fakruddin
				22501A05F0	III	P.Nikitha
				22501A05F4	III	R. Sai Roshini
19	Software	1660	Smart Automation/ completed	22501A0529	III	Challapalli Satya Venkata Hemanth
				22501A0504	III	Adapa Hemesh
				22501A0525	III	Boodala Akhil
				22501A0461	III	Kodali Praneetha
				23501A05A2	III	Lella Lakshmi Poojitha
				23501A0589	III	Kothuri Pravallika
20	Software	1699	Miscellaneous/ Completed	23501A05I6	II	Veerla Alekhya
				23501A05F7	II	Shaik Shahistha Zabeen
				23501A05F1	II	Devika Rowthu
				23501A05I0	II	Tupakula Satya Molika
				23501A05J8	II	Yaswitha Sai Mandava
				Le-302	II	Nagireddy Gayatri
21	Software	1700	Smart Automation/ completed	23501A0565	II	Karumuri Mohana Sri Lakshmi Sindhura
				Le-301	II	N.Bhagya Sri
				23501A0536	II	D.Lakshmi Prasanna
				23501A0518	II	Borra Hema Priya
				Le-103	II	Ch.Harika Priya
				Le-105	II	G.Bhavani
22	Software	1726	Smart Automation/ completed	22501A0530	III	Chandaluri Mohit
				22501A0537	III	Dangudubiyapu Akash
				22501A0555	III	Gopisetty Abhiram
				23505A0502	III	Choragudi Sruthi
				22501A0506	III	Ala Sruthi Sree
				22501A0538	III	Dasari Likhitha Sri
23	Software	1626	MedTech / BioTech / HealthTech3/completed	22501A0514	III	Grishmanth Anne
				22501A0552	III	Siddu Garikapati
				22501A0558	III	G.Anjali
				22501A0553	III	Gayam Sravani
				22501A05A4	III	M Manvitha
				22501A0526	III	B. Sai Srikar
24	Software	1642	AYUSH Startup registration portal	22501A4216	III	Gorre JayaSai
				22501A4222	III	K.Naga Rushi
				22501A4207	III	B.Sadhik
				22501A4230	III	M.Ranga Sai
				22501A4204	III	A.Lasya Sree

				22501A4201	III	P.Akshitha
25	Software	1589	Free Lancing Platform	22501A4231	III	Mohammad Nowroz
				22501A4214	III	G.Naga Akshita
				22501a4248	III	P. Subhash Chandra
				22501A4226	III	K.Chandra Sekhar
				22501A4244	III	P Sai Chandrakanth
				22501A4265	III	Y.Sree surya
26	Software	1716	Text to speech recognition	22501A0252	III	R. Vennela Sai
				22501A0212	III	D.Varshini
				22501A0221	III	K.Lahari
				22501A0223	III	K.Jaya Sireesha
				22501A0238	III	N. Maheswari
				22501A0261	III	Shaik Sameera
27	Software	1620	Hospital management system	23501A4264	II	Shalini Vengala
				23501A4252	II	Sk. Neha Sumaya
				23501A4253	II	Sr.Ishrath Suhana
				23501A4265	II	V.Priya Mythili
				23501A0556	II	J.Viswa Tej
				23501A0223	II	Ch.Jaswanth
28	Software	1555	virtual herbal garden	22501A4237	III	M.Dhakshesh Ram Kiran
				22501A4203	III	A.Elisha Raj
				22501A4245	III	P.Krishna Tejesh
				22501A4259	III	SK.Hashmi Farheen
				22501A4205	III	B.Sharon
				22501A4236	III	M.Manogna
29	Software	1637	Agriculture, FoodTech & Rural Development	22501A4460	III	Dinesh Babu Surapaneni
				22501A4422	III	Kanamarlapudi Venkata Naga Koushik
				22501A4423	III	Kanaparthi Sessa Sai Sivani
				22501A4437	III	Lankireddy mokshagna Sai Kumar Reddy
				22501A4447	III	Parasaram Navya Sri
				22501A4461	III	Telanakula Siva Rama Venkata Krishna Koushik
30	Mobile Application	1690	Efficient Water Conservation Techniques	23501A4418	II	K.Nikitha
				23501A4436	II	Veena Sahithi
				23501A4434	II	M Sonu Srivatsa Rahul
				23501A4440	II	K Tej Karthik
				23501A4429	II	N Abhilasya
				23501A4462	II	V V V Datta Sai
31	Mobile Application	1717	Indian Version of Nagish App	23501A4465	II	Y.Suma Harshitha
				23501A4464	II	Y.Gayathri
				23501A4406	II	Ch.pavan pratheek
				23501A4412	II	D. Anand
				24505A4404	II	M.Kavya

				24505A4405	II	P.VijayaVardhan
32	Software	1639	Agriculture foodtech rural development	23501A12A4	II	R.Abhinaya Lakshmi
				23501A12a6	II	Revuri Hemanth Kumar
				23501a12a7	II	Rishika Muppidi
				23501a12b5	II	S.Nishanth
				23501a1295	II	P.Chaitanya Haneesh
				23501a1271	II	M.Devendra reddy
33	Software	1656	Travel and Tourism	23501a12c2	II	V.Veda Sidhi
				21501a1227	4	Ch.Rishik
				21501a1249	4	J.Leela Deepak
				23501a1268	II	M.Vyshnavi
				23501a1292	II	P.Varshitha
				23501a12c6	II	V.Shamitha
34	Software	1728	Miscillenous	23505a1212	III	S.Srikanth
				22501a12a1	III	S.L.Amrutha.G
				22501a4446	III	P.Lalith Chandra
				22501a1212	III	B.Sathvik Sai
				22501a1230	III	G.Kushal
				22501a0556	III	G.Harshini
35	Software	1645	Smart Automation	23501a12b0	II	S.Jashvanthini
				23501a12c9	II	Y.Mallika
				23501a12d0	II	Y.Deepak
				23501a12d1	II	Y.Madhan
				21501a1284	4	D.Nithin
				21501a1249	4	J.Leela Deepak
36	Software	1628	Smart Education	21501a1260	4	K.Deepak
				21501a1281	4	N.Uma Pavan
				23501a1286	2	N.Sindhu
				23501a1274	2	M.M.Abbas
				23501a12c4	2	V.Tarun
				23501a1275	2	M.Geetha varshini
37	Software	1640	Agriculture foodtech rural development	21501a1221	IV	ch.Vijay Chandra
				21501a1254	IV	K.Sandeep kumar
				21501a1252	IV	K.Chandu
				21501a1247	IV	K.Pavani
				21501a1256	IV	K.Neeraja krishna
				24505a1212	II	R.pushpa naga anjali
38	Software	1650	Disaster Management	22501A0230	III	Lingathoti Abhinandana
				22501A0226	III	Kavya Kodali
				23505A0216	III	Renu Sri Reddy Tadi
				22505A0223	IV	Vistamsetty Likithasurabhi
				23501A0225	II	Inturi Bhavani

39	Hardware	1528	Miscellaneous	23505A0201	III	Chikkaraju Phanindra
				23505A0203	III	Daliparthi Gnana Manikanta
				22505A0220	IV	Shaik Shakeel
				23501A0210	II	Budati Ganesh Siva Balaji
				23501A0252	II	Shaik Haseena
40	Hardware	1528	Miscellaneous	22505A0211	IV	Karimella Vishnu Chaitanya Sidhardha
				22505A0210	IV	Gollapalli Naveen
				22505A0215	IV	Polanki Sampath Babu
				22505A0217	IV	Remala Leela Venkata Kumar
				22505A0220	IV	Shaik Shakeel
				21501A0517	IV	Chinda Bhavya Srujana
41	Hardware	1536	Agriculture, FoodTech & Rural Development	22505A0316	IV	Munduri Veera Venkata Vinodh
				22505A0302	IV	A.Jaya Krishna
				22505A0313	IV	Kalla Bhuvan Chaitanya
				23505A0314	III	Jashnavi.p
				23505A0312	III	M.rupa sri
				23501A0358	II	Yenduri Paul Wilson
42	Hardware	1533	Robotics and drones	23501A0301	II	AB.Razak Baig
				23501A0315	II	G.Jyothi
				23501A0316	II	J.Manoj Venkat
				23501A0333	II	Nandamuri.Charith
				23501A0305	II	Vinay Kumar
				24505A0308	II	Jaswindar
43	Hardware	1545	Renewable and sustainable energy	23501A04C0	II	Vallabhaneni Bindu Sree
				23501A04B5	II	Thikkisetty Rithvika
				23501A0482	II	Nekkalapudi Teresa
				23501A0492	II	Pillala Pavan Kumar
				23501A04C2	II	Vavilapalli Satish
				23501A0489	II	Patchipala Bhanu Sri Koushik
44	Hardware		women's safety	23505A0401	III	Bandaru Swarupa
				23505A0402	III	Bhimala Sanjeevi
				23505A0403	III	Chinta Jithin Krishna
				23505A0404	III	Javvadi Thabitha
				23505A0405	III	Kailay Santhosh
				23505A0406	III	Kakarla Sumanjali

45	Hardware		Artificial trees for capturing of CO2 by chemical scrubbing	23501A0410	II	A. Ramya Mounika
				23501A0423	II	Ch. Pranathi
				23501A0446	II	J. Pallavi
				23501A0449	II	K. Veda sri
				23501A0450	II	K. Meghana
				23501A0456	II	K. Lasya

Waiting List: 5

<u>Sl.No</u>	Category	PS Number	Theme	Roll Number	Year	Name
1	Software	1666	Developing counselling and guidance program for student career	23501A4243	II	P.Lakshmi Manasa
				23501A4215	II	CH.DEVI
				23501A4207	II	B.VENKATA KUNDANA
				23501A05E5	II	P.Lahari
				23501A4212	II	B.NISSITA SREE
2	Mobile Application	1637	User Friendly mobile application for Farmers to access the customers directly	23501A4460	II	T Danusha
				23501A4443	II	N.Pravallika
				23501A4414	II	G.Kavya
				23501A4408	II	Ch.Kundana
				23501A4466	II	Zainab
				23501A4413	II	Vaishnavi
3	Software	1731	Clean and green technology	23501a1291	2	P.Gowthami
				23501a1277	2	Md.Karimulla
				23501a1283	2	D.Naga Malleswara rao
				23501a12c0	2	V.Sai Sasi Kiran
				22501A0212	3	B.Shanmukha priya
				22501A0219	3	D. Bhavani
4	Software	1629	Smart Education	23501a12c5	2	V.Hame Prajvesh
				23501a12c1	2	V.Mallikarjuna rao
				23501a12a5	2	R.Bhaskar
				23501a12a2	2	P.Prathyusha
				23501a12a3	2	R.Sravani
				23501a0247	2	P.Kamal Kalyan

5	Software	1637	Agriculture rural development	foodtech	24505a1213	II	S.Sai Karthik
					24505a1211	II	R.Sarayu
					24505a1210	II	P.Anuragh
					24505a1209	II	Md.Nazeera
					24505a1208	II	N.Bhargavi
						II	S.Ram mohan

Judges Information

Details about the judges:

Name of the Evaluation panel member: **Santosh Chaluvadi**

Designation of the Jury: Founder & CEO

Organization of the Jury: Supraja Technologies

Phone Number: 9550055338

Email: santosh@suprajatechnologies.com

Name of the Evaluation panel member: **Rahul Kiran Rao**

Designation of the Jury: Technical Consultant

Organization of the Jury: KPMG International Limited

Phone Number: 9967180238

Email: rahuliitbcs@gmail.com

Name of the Evaluation panel member: **Dr. V.Jagadish**

Designation of the Jury: Professor, Department of Civil Engineering

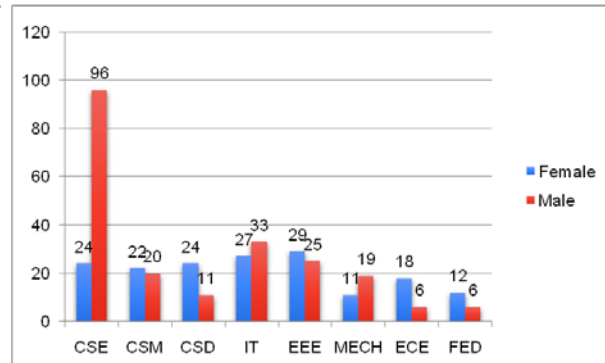
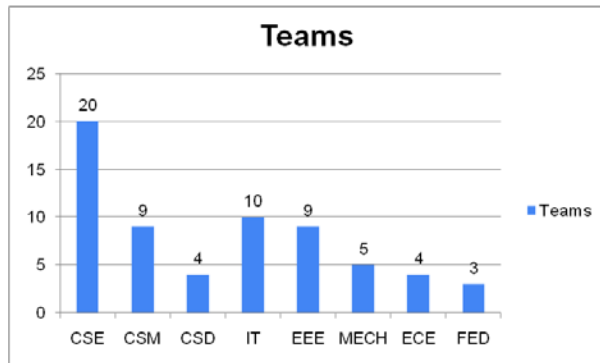
Organization of the Jury: PVP Siddhartha Institute of Technology

Phone Number: +91 98453 73393

Email: jdvangala@gmail.com

Participation Statistics

A total of 64 teams participated with 384 students from all branches of engineering, where in 156 from Female category and 228 from male category took part in this event. This inclusive participation is a testament to the vibrant innovation culture within our institution.



Social Media Links

Instagram: https://www.instagram.com/p/C_deKDZy8kT/?igsh=MTZ4YjdzbTZmMmdqMg==

Instagram

Log In

Sign Up

PRASAD V. POTLURI SIDDHARTHA
INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA

Conducting Internal Hackathon For SIH 2024
5th & 6th September 2024.
1PM - 5PM
MODE: Online

Themes:

- Fitness & Sports
- Space Technology
- Heritage & Culture
- Smart Vehicles
- Robotics & Drones
- Tourism
- Blockchain Technology
- Clean & Green Technology
- MedTech/BioTech/HealthTech

- Miscellaneous
- Renewable/Sustainable Energy
- Transportation & Logistics
- Disaster Management
- Smart Education
- Toys & Games
- Smart Resource Conservation
- Smart Automation
- Agriculture, FoodTech & rural Development

ALL THE IDEAS CAN BE PRESENTED IN THE FORM OF A PPT

Dr.A.Haritha
COORDINATOR IIC

Dr.Jagadish Vengala
CONVENER IIC

Dr.K.Sivaji Babu
PRESIDENT IIC

iic.pvpsit • Follow

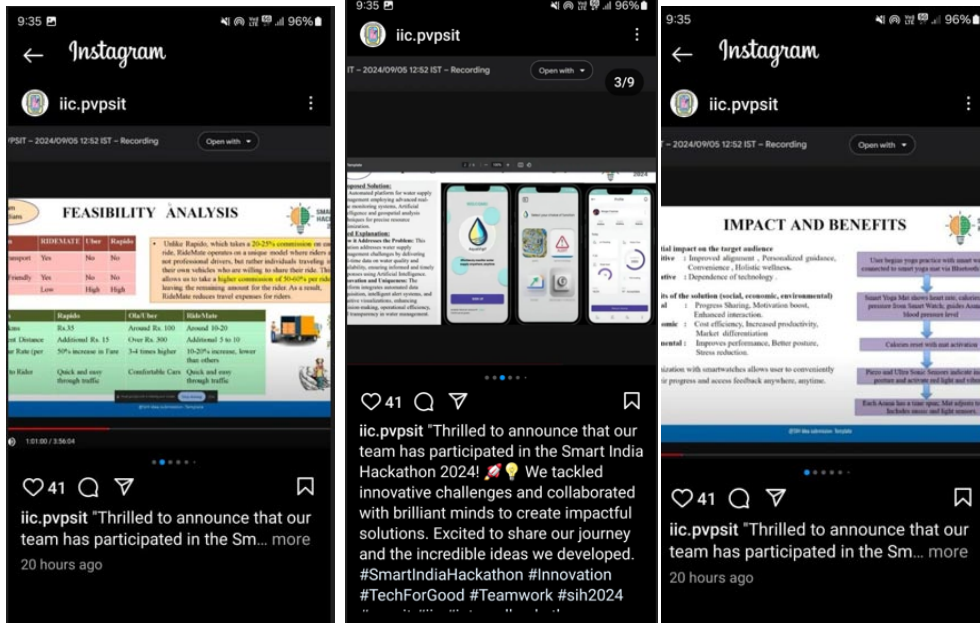
iic.pvpsit The Smart India Hackathon, organized by the Institute's Innovation Council (IIC), Brings brilliant young minds together to solve the real world challenges with their innovation. This event highlights the problem solving skills, inspiring the next generation of leaders and innovators.

📅 5th & 6th September 2024

Don't miss the chance to showcase your talent...

88 likes
September 3

Log in to like or comment.



Facebook:

https://www.facebook.com/story.php?story_fbid=827799112861362&id=100068938416034&mibextid=qj2Omg&rdid=8H2jYZRZG7A6hUvh

Pvpsit IIC
1m · 🌐

"Cheers to an incredible Internal Hackathon -5&6 Sep- at PVP Siddhartha Institute of Technology!

Huge congratulations to all student teams who showcased their creative problem-solving skills and collaborative spirit at the Smart India Hackathon 2024 qualifier!

Your innovative solutions to the problem statements were truly impressive. We're proud of each and every one of you!

Best wishes to all teams selected to move on to the next level. May your ideas revolutionize the future!

Thank you to everyone involved in making this event a resounding success!

#SmartIndiaHackathon2024 #PVPSTIT #Innovation Cell #IIC #Ministry of Education

