



AVN INSTITUTE OF
ENGINEERING & TECHNOLOGY
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An Autonomous Institute Affiliated to JNTU Hyderabad



Report

on

AVNIET Internal Smart India Hackathon 2024



Conducted on

14th September, 2024

Venue: Seminar Hall, B Block, AVNIET

Organized by

R & D Center, AVNIET

Submitted by

SPOC - SIH

Dr.G.Dhalakshmi

PRINCIPAL

Dr.P.Nageswara Reddy

ABOUT THE EVENT:

The Smart India Hackathon (SIH) is a national initiative that gives students the chance to participate in innovations and make a difference in the world by resolving some of the most pressing problems brought up by various ministries and organizations across the country.

The primary objectives of the Internal Smart India Hackathon [2024] were as follows:

- To leverage the creativity and technical expertise of young innovators in addressing real-world challenges faced by various industries.
- To foster a culture of innovation and entrepreneurship among students.
- To offer a platform for students to collaborate with industry experts and mentors.
- To identify and implement innovative solutions to tackle challenges encountered by government and industry partners.
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The statements for the hackathon's 2024 edition will be related to a variety of topics, such as agriculture, food, and rural development, blockchain and cybersecurity, clean and green technology, fitness and sports, heritage, culture, medtech/biotech/healthtech, miscellaneous, renewable/sustainable energy, robotics and drones, smart automation, smart vehicles, travel and tourism, transportation and logistics, disaster management, and smart education.

ABOUT THE PROBLEM STATEMENT:

Our students' chosen problem statements for the internal hackathon are:

1. SIH1597-Student Innovation
2. SIH1588-Student Innovation
3. SIH1580-Wearable sensors for prevention of falls in elderly people
4. SIH1533-Student Innovation
5. SIH1537-Student Innovation
6. SIH1540-Student Innovation
7. SIH1592-Student Innovation
8. SIH1620-Queuing models in OPDs/Availability of beds/ Admission of patients
9. SIH1534-Student Innovation

10. SIH1578-DIY Fire Fighting Robot
11. SIH1629-Freelancing platform
12. SIH1615-Learning path dashboard for enhancing skills
13. SIH1536-Sustainable Fertilizer usage optimize for higher yields
14. SIH1601-Student Innovation
15. SIH1632-Innovative jobs and internships platform
16. SIH1540-Indian army emergency communication support system through satellite
17. SIH1750-Creating a comprehensive web application web fuzzer
18. SIH1607-Student Innovation
19. SIH1603-Debris Droid Robot
20. SIH1666-Develop Career Counselling and guidance program in school to enhance student career choices
21. SIH1714-Software for speech language therapy clinical services
22. SIH1588-Emergency alert system
23. SIH1648-Online Chatbots based ticketing system
24. SIH1586-Student Innovation
25. SIH1555-Virtual Herbal garden
26. SIH1603-Autonomous Water surface cleaning robot
27. SIH1601-Student Innovation
28. SIH1622-Online issuance of Caste and Other Cerificates by revenue department
29. SIH1597-Student Innovation
30. SIH1612-Automated Bus Scheduling and Route Management for delhi transport corporation
31. SIH1637-Mobile application for Direct Market Access for Farmers
32. SIH1622-Online issuance of Caste and Other Cerificates by revenue department
33. SIH1656-Development of Mobile Application to provide recreational sustainability information of beach locations across India
34. SIH1605-Women Safety Analytics - Protecting women from safety threats
35. SIH1596-Student Innovation
36. SIH1588-Student Innovation
37. SIH1666-Career Counselling
38. SIH1612-Automated Bus Scheduling and Route Management System for Delhi Transport Corporation
39. SIH1534-Instant ticket booking for local buses
40. SIH1588-Student Innovation

EVENT PHOTOS:

Photographs captured in key moments and activities during the event.





PARTICIPATING TEAMS:

Pictures of all participating teams are showcased.

PANNEL 1



SIHAVN05



SIHAVN11



SIHAVN14



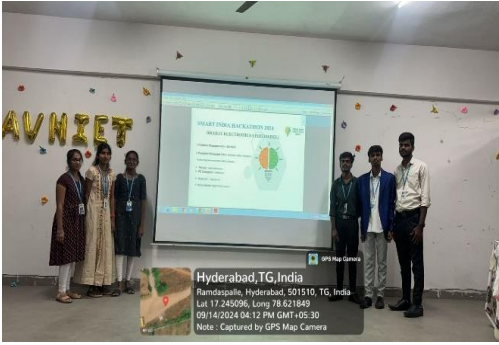
SIHAVN19



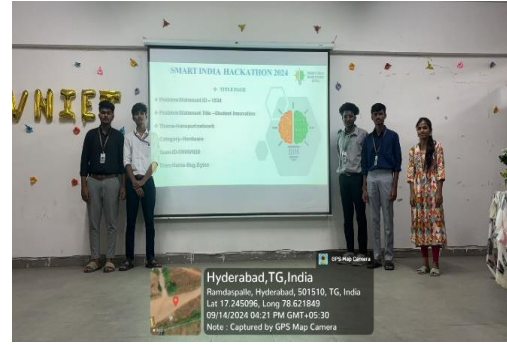
SIHAVN24



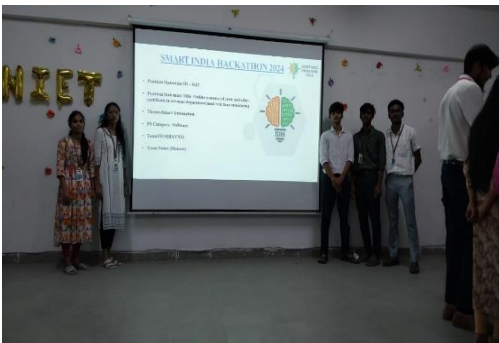
SIHAVN25



SIHAVN27



SIHAVN28



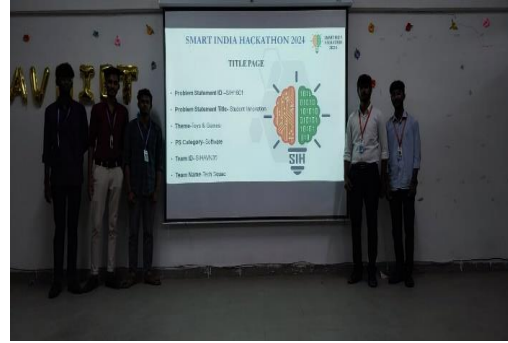
SIHAVN32



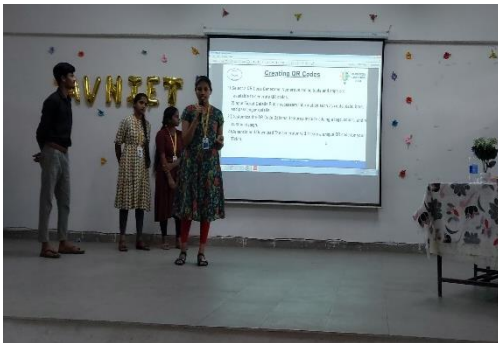
SIHAVN33



SIHAVN34



SIHAVN35



SIHAVN18

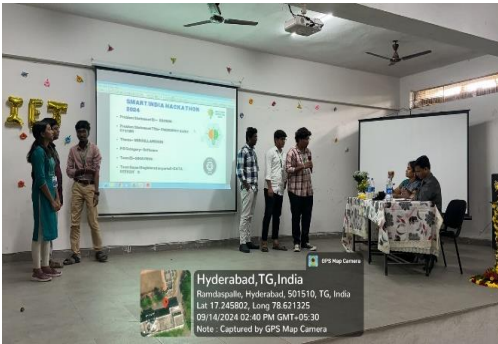


SIHAVN21



SIHAVN20

PANNEL 2



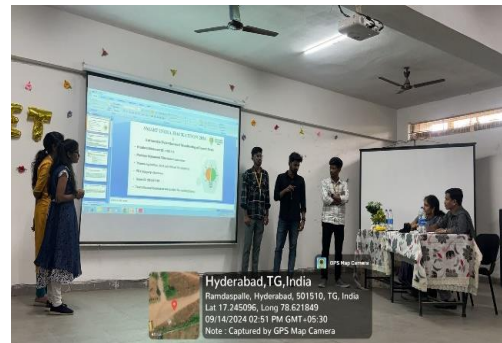
SIHAVN03



SIHAVN08



SIHAVN06



SIHAVN10



SIHAVN17



SIHAVN29



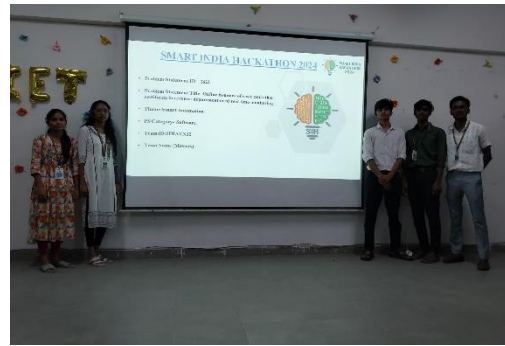
SIHAVN09



SIHAVN40



SIHAVN12



SIHAVN41



SIHAVN47



SIHAVN48



SIHAVN50



SIHAVN07



SIHAVN15



SIHAVN16

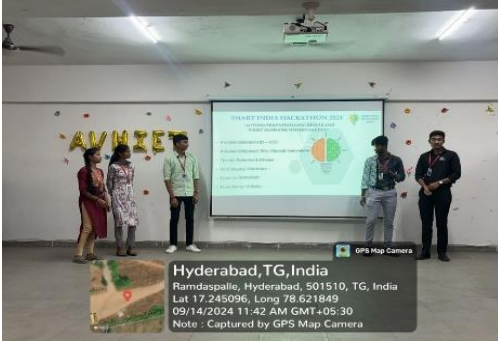
PANNEL 3



SIHAVN04



SIHAVN01



SIHAVN02



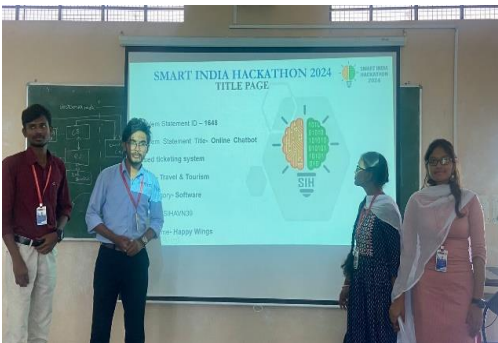
SIHAVN22



SIHAVN30



SIHAVN37



SIHAVN39



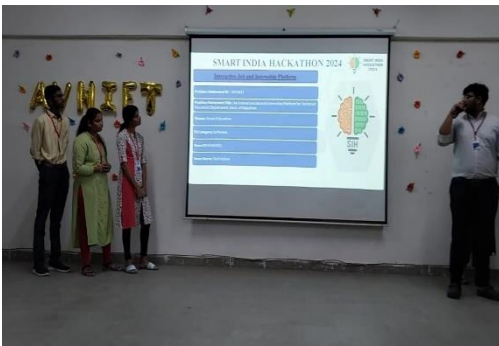
SIHAVN43



SIHAVN38



SIHAVN31



SIHAVN44



SIHAVN45



SIHAVN26



SIHAVN36

JURY PANEL:

3 jury panels were assigned from various domains for evaluation. In each jury panel having 2 internal experts and 1 external expert.



Team A Jury Panel



Team B Jury Panel



Team C Jury Panel

NOMINATED TOP TEAMS:

Nominated top teams are listed here.

1. Team SIHAVN04
2. Team SIHAVN07
3. Team SIHAVN08
4. Team SIHAVN09
5. Team SIHAVN12
6. Team SIHAVN14
7. Team SIHAVN17
8. Team SIHAVN22
9. Team SIHAVN27
10. Team SIHAVN31
11. Team SIHAVN35
12. Team SIHAVN37
13. Team SIHAVN40
14. Team SIHAVN44
15. Team SIHAVN45

JUDGES INFORMATION:

PANEL 1: Team A

Internal Experts:

1. Dr. G. Dhanalakshmi
Professor & Head- R&D
Department of ECE
AVN Institute of Engineering & Technology
Hyderabad – 501510.
Mobile: +91 – 9788459200
E-Mail: rnd@avniet.ac.in
2. Dr. Indira Priyadarshini
Professor & Head
Department of Cyber Security
AVN Institute of Engineering & Technology
Hyderabad – 501510.
Mobile: +91 – 9160504385
E-Mail: cshod@avniet.ac.in

External Expert:

3. Dr. Adarsh Kodhanda
Founder & CEO, Aigen Labs LLP.,
Hyderabad-501505.
Mobile: +91 - 8956410049
E-Mail: adarshkodhanda@hotmail.com

PANEL 2: Team B

Internal Experts:

1. Dr. Shaik Abdul Nabi
Professor & Head
Department of CSE
AVN Institute of Engineering & Technology
Hyderabad – 501510.
Mobile: +91 – 9441250703
E-Mail: dr.nabi@avniet.ac.in

2. Dr. B. Shilpa
Assistant Professor
Department of CSE
AVN Institute of Engineering & Technology
Hyderabad – 501510.
Mobile: +91 – 8686565536
E-Mail: rncse@avniet.ac.in

External Expert:

3. Dr. R. Hafeez Basha
Professor, CEO – Ashoka Innovazi
Ashoka School of Business
Hyderabad.
Mobile: +91 - 9866587053
E-Mail: drhafeezbasha@gmail.com

PANEL 3: Team C

Internal Experts:

1. Dr. Revathi
Associate Professor & Head
Department of Data science
AVN Institute of Engineering & Technology
Hyderabad – 501510.
Mobile: +91 – 8686939083
E-Mail: revathiduram@gmail.com

2. Dr. N Suresh
Professor & Head
Department of ECE
AVN Institute of Engineering & Technology
Hyderabad – 501510.
Mobile: +91 – 9943778729
E-Mail: ecehod@avniet.ac.in

External Expert:

3. Ramesh Chary Thogiti
Engineer, BSNL
Hyderabad.
Mobile: +91 - 9440840345
E-Mail: rameshchary@gmail.com

PARTICIPATION STATISTICS:

Total number of teams participated: 44

Total number of male students participated: 137

Total number of female students participated: 106

NEWS ARTICLES:

సాక్షి



నేడు ఏవీఎన్లో

స్టార్ట్ ఇండియా హ్యాకథాన్

ఇబ్రహీంపట్నం రూరల్: రాందాస్‌పల్లి సమీపం లోని ఏవీఎన్ ఇంజనీరింగ్ కళాశాలలో ఇంటర్నల్ స్టార్ట్ ఇండియా హ్యాకథాన్ నిర్వహిస్తున్నట్లు కళాశాల ప్రిన్సిపాల్ డాక్టర్ నాగేశ్వరరెడ్డి శుక్రవారం ఒక ప్రకటనలో తెలిపారు. అనేక విభాగాల నుంచి విద్యార్థులను సాంకేతిక నైపుణ్యాలు, సమస్యల పరిష్కార సామర్థ్యాలను ప్రదర్శించడానికి కలిపే గొప్ప వేదిక అని పేర్కొన్నారు. కార్యక్రమానికి ముఖ్య అతిథులుగా ఐజిన్ ల్యాబ్స్ ఎల్ఎల్పీ వ్యవస్థాపకుడు, సీఈఓ డాక్టర్ కొదండా హాజరవుతారని పేర్కొన్నారు.

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SOCIAL MEDIA LINKS:

https://www.linkedin.com/posts/avn-institute-of-engineering-and-technology-0a0932328_department-of-research-development-cell-activity-7242116983830298625-8yh0?utm_source=share&utm_medium=member_desktop

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HASHTAGS:

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<https://www.instagram.com/p/DAEOd5vnrW/?igsh=cXNhcih1cjZmMXVm>

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<https://x.com/IICAVNIETHYD/status/1836449105314201782?t=cbDhHEyZk9-NEmZp6gynDg&s=19>

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<https://youtu.be/GPmZ9oNTJY8>