Sarvajanik College of Engineering and Technology, Surat

Electronics and Communication Engineering Department (Re-Accredited by NBA, New Delhi for 3 yrs, w.e.f 1 July 2022)









Report
on
National Level Project Competition
on
on
'IOT Design Challenge'

Date: 20th October 2023

Venue: EC Dept. Laboratories, SCET

Faculty Coordinators: Prof. (Dr.) Nehal Shah

Prof. (Dr.) Vandana Shah

Prof. (Dr.) Dhiren Bhagat

Head of Department: Prof. (Dr.) Chirag Paunwala

Electronics & Communication Engineering Department, SCET-Surat in association with IETE SCET along with MWTC-Mobile and Wireless Technology Club, SCET had organized a one day National level project competition on "IOT Design Challenge" on 20th October 2023. The competition was arranged for the students of across any engineering colleges of India. There was no registration fee to participate. The motto of the competition was to make the budding technocrats use their technical knowledge to implement and demonstrate application-oriented working models in the domain of IoT and embedded system using NodeMCU, Arduino, Raspberry PI, Web Services, Sensors, Actuators and Network/Internet.

Four specific problem statements were given in the areas of IoT, Smart Classroom, Smart Agriculture, Smart City and Wearable Healthcare Devices. More than 35 teams of 4 students each, from Electronics and Communication, Information Technology, Artificial Intelligence and Computer Engineering from SCET, SVNIT and Bhagwan Mahavir Colleges participated in the competition. The team chose any one problem statement given to them for implementation or chose their own idea for implementation. Students modeled and presented projects on different IoT based topics like Fingerprint Attendance System, Weather Station and Smart Home Automation etc. Internet of Things experts Ashwin Savani and Jaideep Kathiria came and evaluated the students. Students had the opportunity to network and learn from each other to enhance their technical skills. The hard work and dedication of the students were reflected in results of the projects they have made.

All the projects were evaluated by eminent juries from industry named 1) Mr. Ashwin Savani, CEO of IoTick, Suart, Gujrat, Product or Solution Architect and 20+ years of experience in various industries and technologies. 2) Mr. Jaydeep Kathiriya, Founder, Techno Vally, working in the domain of Industrial IoT, Industrial battery chargers for railways, Wireless energy meters, Automated test benches for various electronic boards and electric panels. Three groups were announced as winner on 1st, 2nd and 3rd position collectively by both the juries. Two consolation winners were also announced. All participants were given certificate of participation and winners were awarded with prizes sponsored by IETE Surat subcenter.

List of Winners

Winners Name	Project Title	Rank
Neel Khanpara, Vatsa Noticewala, Harshit Jain, Sai Charan	SeniorSafe Gradian	1 st
Jeel Ramani, Priyanshi Patel, Khushi Harkhani, Sarthak Bosamiya	Smart Attendance System	2 nd
Rituraj Bajrang Singh, Aayush Parmar, Niraj Rajput, Rudra Saikiran	Smart Agriculture	3 rd

The day was ended well by taking participants feedback whereby students shared their experience of participation in the competition and were really very happy to gain knowledge in this domain. Participants also insisted to organize such kind of competitions in future also. Overall, it was fruitful experience for all participants and coordinators.

Student Coordinators: Sarthak Bosamiya Neel Khanpara

Faculty Coordinators:

Prof. (Dr.) Nehal Shah

Prof. (Dr.) Vandana Shah

Prof. (Dr.) Dhiren Bhagat

Glimpses of the Competition:











Sarvajanik College of Engineering and Technology organizes

National Level Competition on

IoT Design Challenge

managed by

Electronics and Communication Engineering Department, SCET, Surat (Re-Accredited by NBA, New Delhi for 3 years with effective from 1 July, 2022)

R&D Cell, SCET in association with IETE Surat Subcentre

October 20th, 2023 09:00 AM - 02:30 PM

EC Department, SCET, Surat

Rules

Win Exciting Prizes

- Participation is in a group.
- Max: 4 students/Group.
- Project components must be managed by participants. Laboratory resources like power supply, bread board would be provided.
- Poster must be prepared for presentation comprises of group details,
 block diagram, brief explanation and other technicalities.
- All group must report 09.00 AM at venue on the event day.

Faculty Coordinators

Dr. Nehal Shah
Dr. Vandana Shah
Dr. Dhiren Bhagat
Head of Department
Dr. Chirag Paunwala

Student Coordinators

Sarthak Bosamiya 9904373086 Neel Khanpara 9824756249 Register here





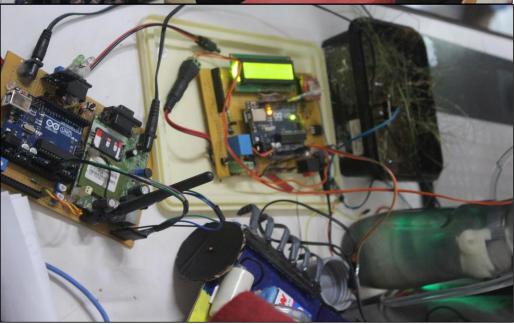


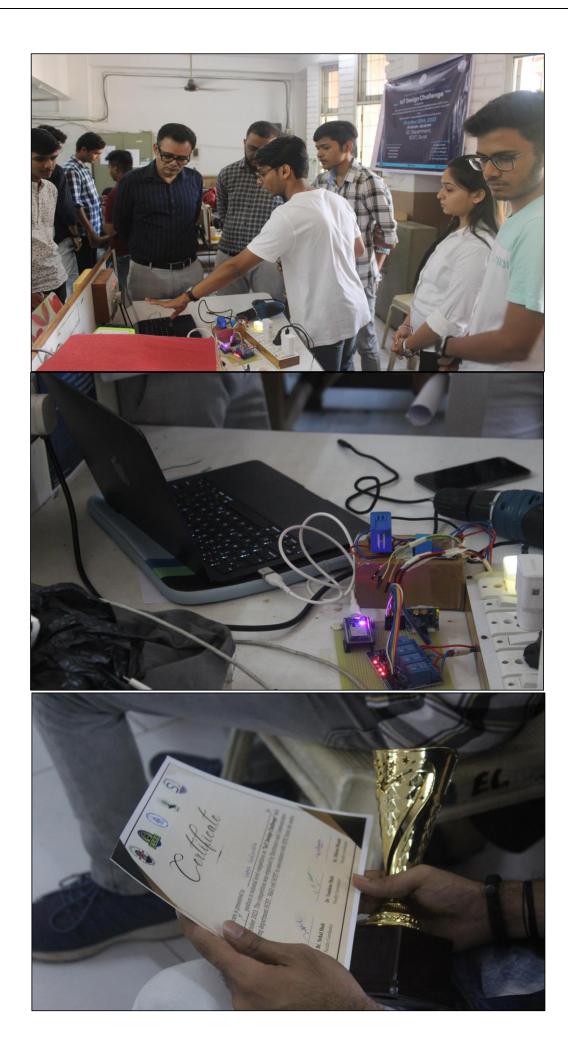














		Attendence sheet			
Sr. No./ Group ID	Project Title	Abhichiech Sign	Enrollment No.	Branch & Year	Sign
- 1	Smart Irrigation System	Mohil Jain Viraj kansara Twinkle Jariwala	041	45 45 45 45	9 811
2	Fingerprint attendance system	Shruti Kanani Jensi ghadiya Uttam moradiya Aryan prajapati	ETZIBTITOO9 ETZIBTITOO9	IT-3 544	A Congrant
3	Design and Implement smart agriculture system	Harsh Tailor Samir Ansari Drashti Patoliya	ET2IRI IT 050	*	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
4	Smart agriculture system	Vaibhavi Owivedi Divyavardhan Singh Ohruv shah Shrish Suhas Haldankar			
3 5	5 Smart Agriculture	Moksha Vishal Parikh Rituraj Bajrang Singh Aayush Parmar Niraj Rajput	2-58	BAU-	Reco
6	Health monitoring smart glove using esp32 microcontro	Rudra Saikiran Yogi suthar Rushi Parikh Kavish patel	a-32 K		Sail
7	Smart Attendance system	Duddekunta Devamani Vishnu Sai Rumm	or?	E C E ST	D. Deva
8	The Robotic Revolution in Farming	Yaswanth Manage	7218 (ECO 22 ET 218 (ECO 12 ET 218 (ECO 13)	EC-31	Frank!
9	Wearables device for elder people assistance	Jay Taneja Ohanisth Sarawagi	TelBTC0543	co-3rd	of the state of th
10	Smart robot car	Anish Sopariwala Anand Sahu Maitri Desai Hitaxi Lethwala			
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14	Smart Attendence System	Khushi Harkhani Sarthak Bosamiya Ansh Dobariya Ayush Polara	121BTECO 3 121BTECO 49 121BTECO 22 121BTECO 22 121BTECO 12	EC-3'	Sall of
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15	Weather station	Nerm raid 2	-1241103		Hand .
16	IoT firmware for intelligent systems	Hetasvi Bhimani Priyanshi Gelani Neel Khanpara Suramya Pandey	0042011657 0042011657 0042011657	FC-BOIN	Pick
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18	Smart City	Ohruv Shah Harsh Mishra Rohit kumar			
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