

Students Achievements




- Rashmi Mote, Devisha Shetty, Omkar Naik, Atharva More Won Second Prize at TECH-A_THON'24, 48 Hours ,Hardware category for the project “ Water surface cleaning bot”, organized by TSEC, Bandra
- Mihir Gosavi, Rotitk Gharat, Sahil Gorivale won Second Prize in IEEE-DBIT CAN-SAT Satellite Design & Launching ,conducted by Black hole Space Tech 2023.
- Mayank Patil, Omkar Joshi, Chandan Thakur, Manthan Patil Won Second Prize at TECH-A_THON'23, 48 Hours Hardware Hackathon, organized by TSEC, Bandra
- Mayank Patil , Omkar Joshi, Chandan Thakur, Manthan Patil won second prize among 21 teams in Hardware category for the project “Smart Attendance System using face recognition”, in ELECTROWIZ'23, a national level project Showcase, at Datta Megha College, Navi Mumbai.
- Mayank Patil, Omkar Joshi, Chandan Thakur, Manthan Patil Won consolation Prize at TECH-A_THON'24, 48 Hours ,Hardware category for the project “ Advanced Smart Saline Assistance”, organized by TSEC, Bandra
- Nikhil Rane, Jayesh Nakashe, Vivek Patil secured Third Position in Prastut 2.0 Poster presentation, Palghar



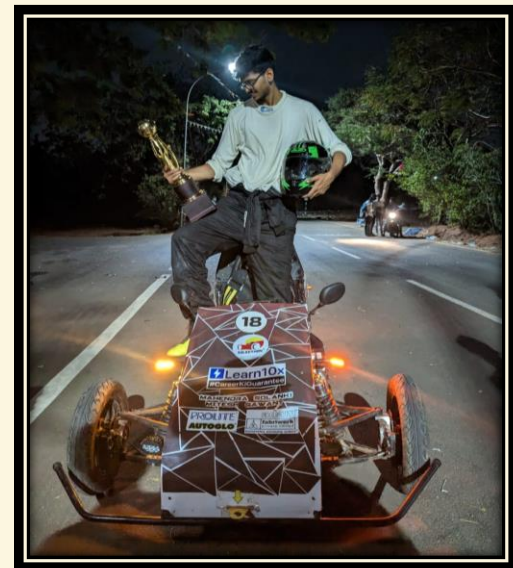
Students Achievements

- Kimaya Shejwalkar and Vaibhav Mishra successfully completed project on Web Development Inventory Management System , at Arbee Aqua Pvt. Ltd. Vasai.
- Ashish Rathod, Disha Pote , Arya Vartak, Atharv Jadhav, Mihir Gosavi was in Top 10 Pitches in Start Up Quest 2023 at Raw Engineering Foundation 
- Niraj Gupta, Nishant Sharma , Mr. Barot Yash Manish, Harsh Dodiya, Shivani Kamble was finalist in 17th Avishkar 2022: Inter Collegiate / Institute / Department Research Convention (Final Round) at Prin. K.M. Kundnani College of Pharmacy, Colaba, Mumbai

 Aditya Patil , Shrushti Rane, Mandar Payare was winner in ESCV 3000, Imerial Society of Innovative Engineers (ISIEINDIA) Galgotias University, Greater Noida UP

• Aditya Patil, Mandar Payare Securing AIR 2 and won Runner Up AWARD in solar electric vehicle -SAUR URJA VEHICLE CHALLENGE 2022 – OVPR, RSTE Society.

• Aditya Patil ,Azhar Khan, Shrushti Rane , Sachin Chaudhary , Amarnath Jaiswar participated in Solar ELectric Vehicle Championship organized by Hindustan Educational Institute,Coimbatour,Tamil Nadu



Students Achievements

PUBLICATIONS:

- Kushal Dipak Raut ,Karan Singh ,Varad Vartak ,Riddhesh Vanjara published paper on “Automated Waste Segregation System” in International Conference on Recent Advances in Engineering, Science and Technology(ICRAEST-2023)(ISBN: 978-81-949989-3-8) at Godavari College Of Engineering Jalgaon-425003
- Kushal Dipak Raut ,Karan Singh ,Varad Vartak ,Riddhesh Vanjara published paper on “Automated Waste Segregation System” in Interenational Journal of Innovation in Engineering and Science (IJIES)
- Rohit Mangesh Chavan , Janhavi Ramesh Jadyar , Aniruddha Mane , published paper on “Multiband frequency reconfigurable antenna for wireless communication” in International Conference on Advanced Research in Information and Communication Technologies (ICARICT 2023) at Dr.J.P College of Engineering Hyderabad
- Varad Rajesh Marathe , Nidhi Lad , Sairaj Dhangar , Barudgar Nomaan Mohd Sabir published paper on “Semi-Integrated Solar LED Street Light” in International Journal of Scientific Research in Science and Technology 2023 at Anuradha Engineering College Chikhli.

PATENT

- Harsh Dodiya, Amey More, Yash Barot publish patent in the field of bio medical Engineering, Tittle of Invention “Smart Saline Assistance System”
- Mayank Patil, Omkar Joshi, Chandan Thakur, Manthan Patil published patent, Tittle of Invention “Smart Attendance System”



Students Achievements



Nihal Kumar, Nachiket Lele ,Tarang Marollikar , Got 1st Prize in XZIBIT-2021 National Level Project Competition.

Sarvesh Sant , Pawan Singh, Mrudula Bidvi, Hetsi Parmar :3rd Prize in Technical Paper presentation in TECHNOVATION.

Journals/Conference/Publications:



- Sakshi Gupta, Danish Shaikh Pradeep Gulbile : "Malware Intrusion Detection for Network Security"(IEEE xplore)
- Atique Ansari, Mustakim Ansari, Yash Mehta: "Smart Gateway Screening For COVID-19 " IEEE Conference (INDISCON)
- Komal Gupta, Shubha Bari, Rohit Chavan, Shruti Kuvkar, Jayshree Mhatre, :Smart Solar Tracker with energy monitoring, IEEE- International Conference on Electronics & Renewable systems.
- Vikas Patekar, Shreyas Takke, Hrithik Gavankar, Rahul Kamble: " Interfacing of TFT display with machines" Reserach & Analytical Reviews.
- Swathi Gaitonde, Shraddha Kini, Prasad Sawant : "Contactless Heartrate Analyzer", International Journal of Research & Analytical Reviews
- Sujith Anugu Reddy ,Naman Darveshi ,Akash Gawas : "Intelligent assistance for smart shopping" Internationla Conference on Intelligent Networking & Computing 2022
- Adisha Jayant Waghare ,Sneha Kalpesh Singhi ,Prerna Kaushal Tiwari : "Light weight cryptography for security in IOT devices" ,International Conference on Communication, Computing & Data Security2022
- Akash Sankhe ,Rushikesh Sawant, Dhanush Shetty: "Design of 8 bit hybrid carry save adder" National Conference on "Changing Technology & Rural Development CTRD 2022"
- Many Teams also participated in Smart India Hackathon/Avishkar Research Convention



Students Achievements



- Rahul Kamble was amongst 10 teams out of 207 submissions from the total of 1878 registered teams. Project titled SMART COVID FACE SHIELD & MASK and has received an award under the Best Embedded System (Product) category in e yantra Hackathon
- 5th Rank In National Level Techfest-Covideate , IIT Bombay.



- Sikandar Kanojia, In Corona Virus (COVID-19) the global outbreak, he developed an automatic hand sanitizer dispenser that uses IR sensors to detect the presence of a hand and activates a pump to pour the liquid on the hand.



चार लाखांत सौर ऊर्जेवर धावणारी गाडी

वर्तक अभियांत्रिकी
महाविद्यालयातील
विद्यार्थ्यांची कामगिरी
लोकसत्ता प्रतिनिधी



विवरण : इंधनाच्या वाढत्या किमती आणि प्रदूषणाचा धोका पाहता, वसईतील वर्तक अभियांत्रिकी महाविद्यालयातील विद्यार्थ्यांनी सौर ऊर्जेवर चालणारी एक तीनचाकी गाडी बनवली आहे. विद्यार्थ्यांनीच संपूर्णपणे परिश्रम करून ही गाडी केवळ चार लाखांच्या किमतीत बनवली आहे.

अभियांत्रिकी शाखेसह मॅकेनिकल, आय टी, संगणक विभागातील ४० मुलांनी ही कार बनवली आहे. त्यांनी शैक्षणिक प्रकल्प म्हणून २०१७ पासून ही कार बनावटपास सुरुवात केली होती. आधी मुलांनी विद्युत कार बनवली होती. त्यातच अधिक संशोधन करून त्यांना आता सौर

पॅनलचा वापर करून ही कार दोन्ही पद्धतीच्या ऊर्जेवर चालू शकेल, अशा प्रकारे विकसित केली आहे. विद्युत तर सौर ऊर्जेवर ही कार चालू शकेल.

ही तीनचाकी कार ताशी ६५ किमी वेगाने धावू शकते. त्याचबरोबर एकदा चार्ज केल्यावर किमान १२५

किमी प्रवास करता येतो. अजूनही ही कार थेट रस्त्यावर उतरली नाही पण भविष्यातील इंधन पर्याय म्हणून याकडे नवकीच पाहता येईल. विद्यार्थ्यांचे मार्गदर्शक प्रा. चौधरी म्हणाले की, अद्याप या कारची खासियत नोंदणी केली नाही, पण लवकरच आम्ही त्या दिशेने पावले उचलणार आहोत. या कारचे वैशिष्ट्य म्हणजे चालकाविनाही ती चालवता येईल. एक टरावीक मार्ग आखून दिला असता, कोणत्याही मानवी साहाय्याविना ही गाडी ईच्छितस्थळी घेऊन जाईल. विद्यार्थ्यांनी या गाडीसाठी विशेष मेहनत घेतली आहे. लवकरच ते चारचाकी आणि दुचाकी गाड्याही बनवणार आहेत.

लोकसत्ता Wed, 06 April 2022
<https://epaper.loksatta.com/c/67266642>

Aditya Patil, Motorist of Solar Car. This Car is made by 40 students of the Institute. Once charged can run for 125 km. The speed of Solar car is 65km/hr.

