

Institutional Distinctiveness

Theem Makers Vector Cell

(A Place for Inovative Projects)

Theem Makers Vector Cell: “A place for inovative projects”

Vision: Achieving technical proficiency in carrying out innovative projects and converting ideas into tangible products.

Objectives:

1. Providing a free space with all amenities to carry out idea conversion and fabrication works of projects of all branches.
2. To update students about recent technological changes in the industry.
3. To encourage students to think innovative.
4. To enhance entrepreneurial and employability skills.

Priority:

Theem Makers Vector Cell an earmarked premises near botanical garden was inaugurated by Mr. S. P. Nadkarni, General Manager, Home Fabrics (Works Administration) D'Decor Pvt. Ltd. Boisar on 31 July 2018. Theem Makers Vector cell is equipped with workshop machines, tools, and equipment for enabling students to carry out their innovative projects, projects seeking patent and intercollegiate competitive with equal attention on safety of self and machines.

The latest launch of MHRD's Innovation Cell (MIC) is really put us in track for strengthening our ecosystem. The Institute's Innovation Council (IIC) works in coordination with Research & Development and IPR Cell, entrepreneurship and start-up cell. It provides such an environment which could help the institute to create innovative ecosystem for students to involve them in research projects.

Theem Makers Vector serves across the domain to carry out engineering fabrication. The workshop equipped with all necessary tools and equipment along with cutting, welding, grinding, pipe-bending machine and electrical and electronic equipment, etc. This environment gives liberty to the budding engineers for converting their ideas into tangible products. It attracts students to acquire technical and professional skills with self-discipline, undertaking planning, problem formulation, managing schedule, deadline and solutions including communication skills. The following are the committee members of Theem Makers Vector cell.

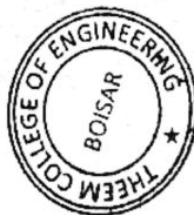
Sr.No	Name	Department	Designation
1.	Prof. Iqbal Mansuri	Mechanical	Cordinator
2.	Prof. Krupa Pimple	Civil	Member
3.	Prof. Devang Waghela	Automobile	Member
4.	Prof Monika Pathare	Computer	Member
5.	Prof. Nayeem Shaikh	Electrical	Member
6.	Prof. Rinkal Bari	IT	Member



Thrust:

Students are getting the facility to work in a secure environment and excelling in technical achievements. Students utilize the facility of Theem Makers Vector to prepare their project and get a platform to participate in various events like the Smart India Hackathon, Mega ATV Championships, Go-Kart Project Exhibition, Paper Presentation, and different technical events. The primary efforts to achieve the innovative project goals become successful through the teams of various branch of engineering students who participate in national-level events.

1. In the Project exhibition 2023, fifteen groups took part and showcased their creations; the winners received certificates.
2. Fifteen teams were shortlisted and nominated for SIH 2023 out of the sixteen teams who participated in the internal hackathon for SIH 2023.
3. The International conference THEEM-2023 received more than 200 research papers of various areas of specialization from UG and PG students out of which 101 papers were selected by the publication committee and are accepted to present their papers in international conference THEEM-2023 out of which there was a selection of the best paper presentation of each track which was awarded with certificates.
4. More than 50 teams have participated in the Internal hackathon 2022 winners were awarded with certificates and few teams are shortlisted and nominated for SIH 2022.
5. The National conference THEEM-2022 received more than 100 research papers of various areas of specialization from UG and PG students out of which 94 papers were selected by the publication committee and are accepted for publication in International Journal of Advance and Innovative Research(IJAIR). There was a selection of the best paper presentation of each track which was awarded with certificates
6. MEGA ATV CHAMPIONSHIP 2020-21: A team of 30 students (BLITZKRIEG GROUP) participated in MEGA ATV CHAMPIONSHIP 2021 organized by Auto Sports India in association with FMSCI in Goa, Maharashtra from 09 April to 13th April 2021.
7. A team of 30 student (BLITZKRIEG GROUP) participated in MEGA ATV CHAMPIONSHIP 2019 organized by Auto Sports India in association with FMSCI in Goa, Maharashtra from 18,19,20,22 March 2019. (Season 4).
8. Project exhibition 2019 witnessed the participation and project presentations of 21 groups.
9. A team of 06 students participated in the Smart India Hackathon 2019 organized by IIT Roorkee.
10. Students make the project and participate in the technical events like Robo Race, Aqua booster etc in Theem Makers Vector.
11. "Matrix Solar Air Heater" by 3 members of third year Mechanical Engineering students, participated in Vortex 2018 - National Project Competition at Institute of Chemical Technology (ICT), Mumbai and won the 2nd Prize.
12. "Concave Mirror Type Solar Dryer" by 3 members of third year Mechanical Engineering students, participated in the same Vortex 2018 at ICT Mumbai.



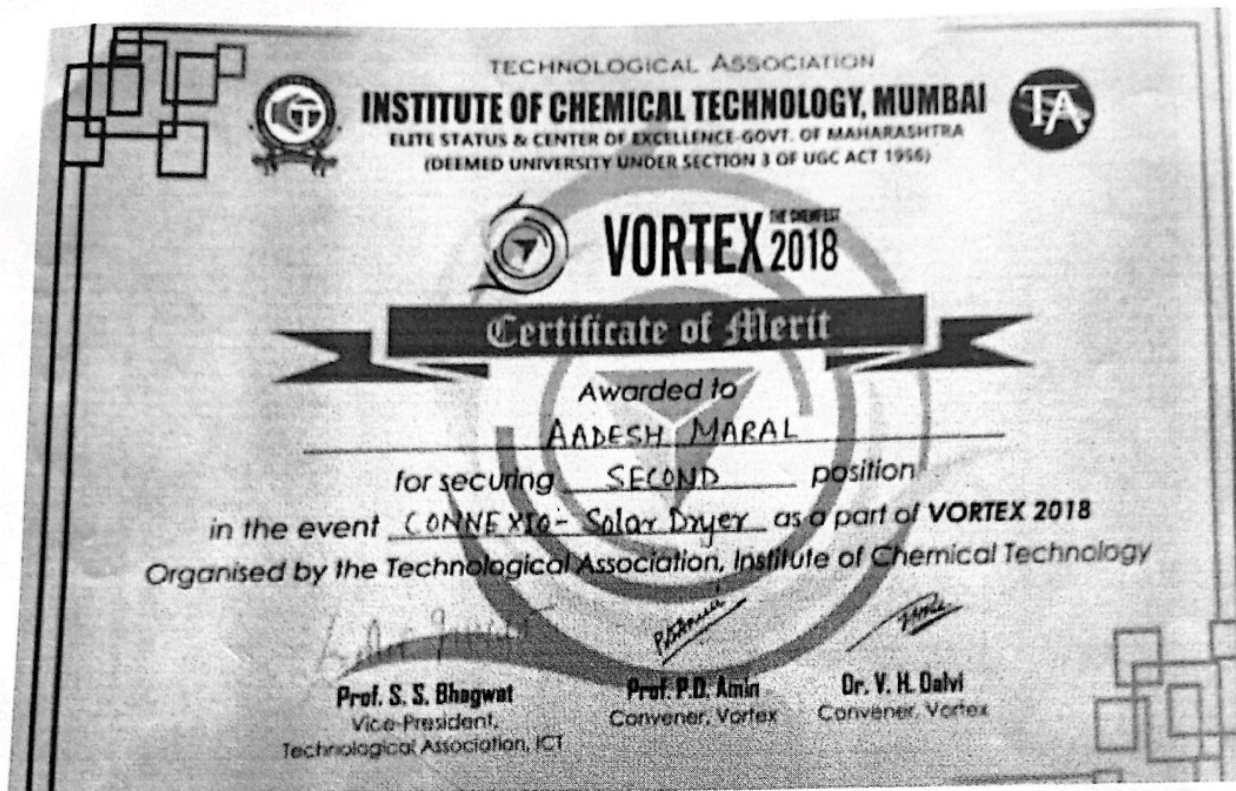
Outcomes:

The opportunity provided through Theem Makers Vector are shaping the students technical skills. The few noteworthy achievements are:

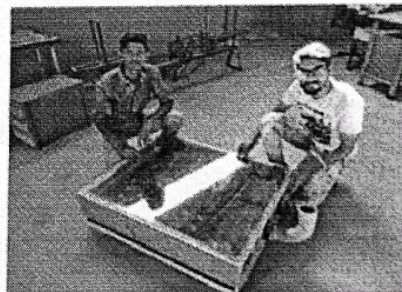
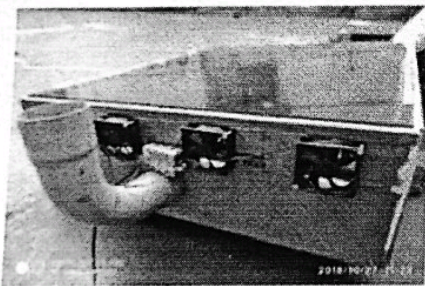
- 1) Team of 3 members of third year Mechanical Engineering students, participated in Vortex 2018 -National Project Competition at Institute of Chemical Technology (ICT), Mumbai and won the 2nd Prize.
- 2) Team of 06 students participated in the final of Smart India Hackathon 2019 organized by IIT Roorkee.
- 3) 15 teams participated in Smart India Hackathon 2023.

Conclusion: It shows that the Theem Makers Vector is an Institute Distinctive platform to sharpen and explore students technical skills.

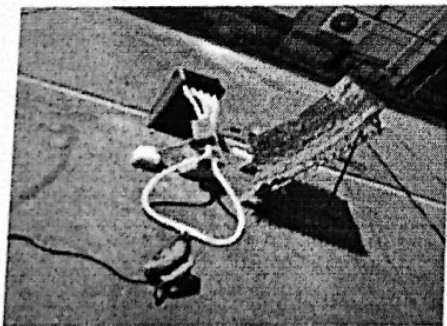




Students won the 2nd Prize in Vortex 2018 at ICT, Mumbai

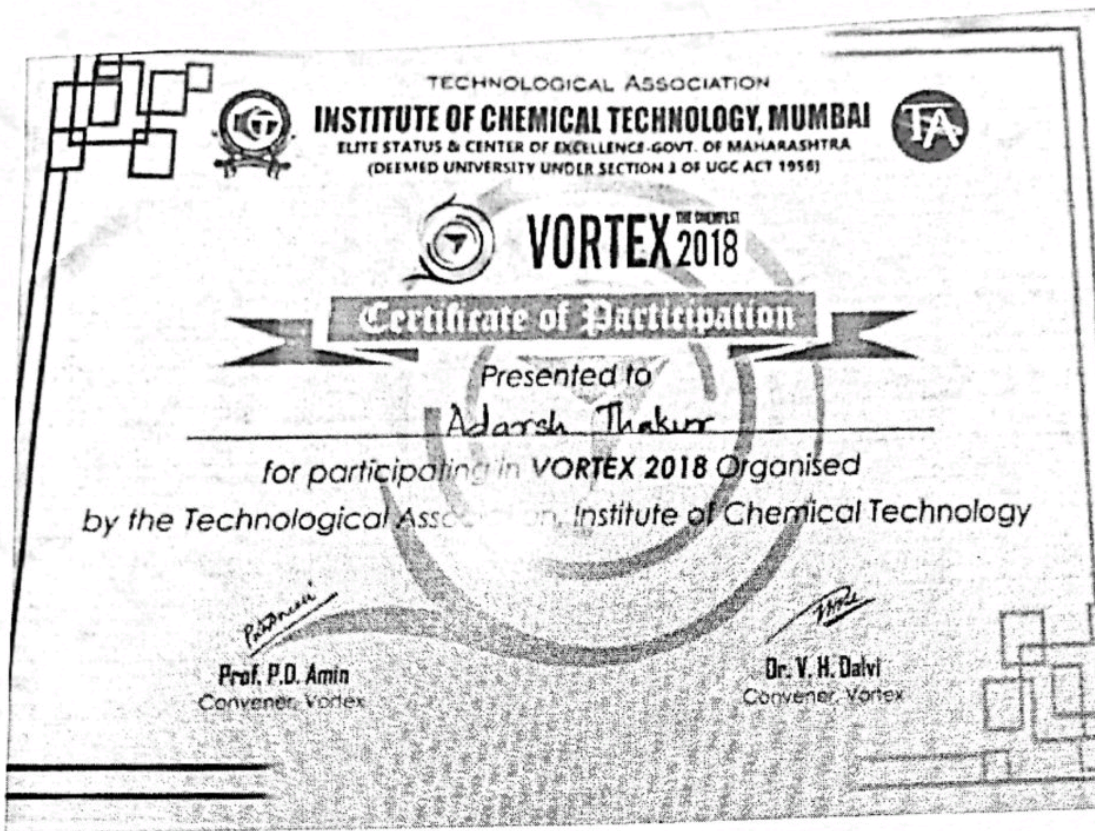


Matrix Solar Air Heater Won 2nd Prize Team of Matrix Solar Air Heater

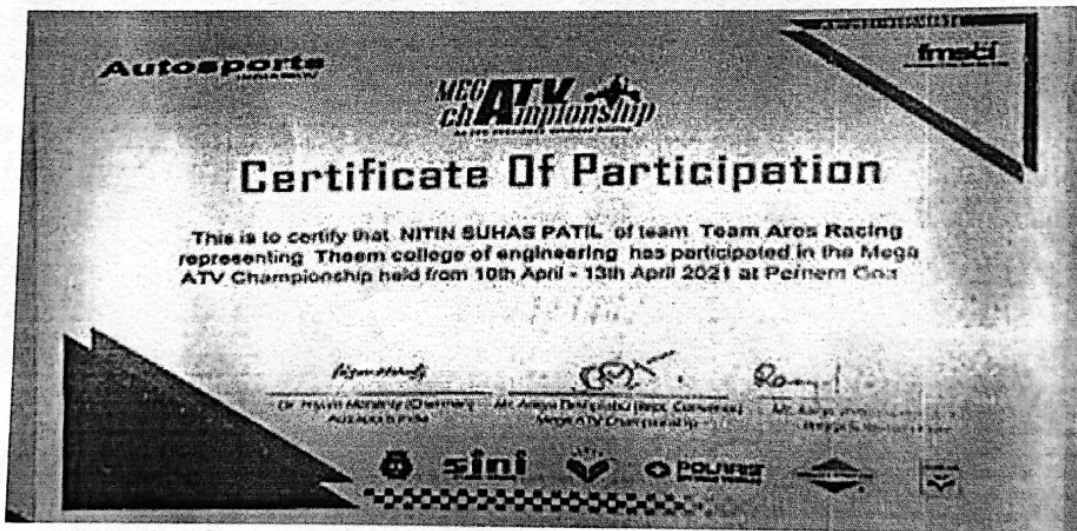


Concave Mirror Type Solar Dryer Team of Concave Mirror Type Solar Dryer





Students Participated in Vortex 2018 at ICT, Mumbai

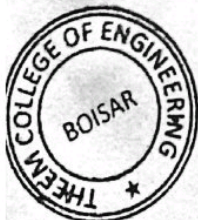


Teams Ares Racing participated in Mega ATV Championship 2021 at GOA



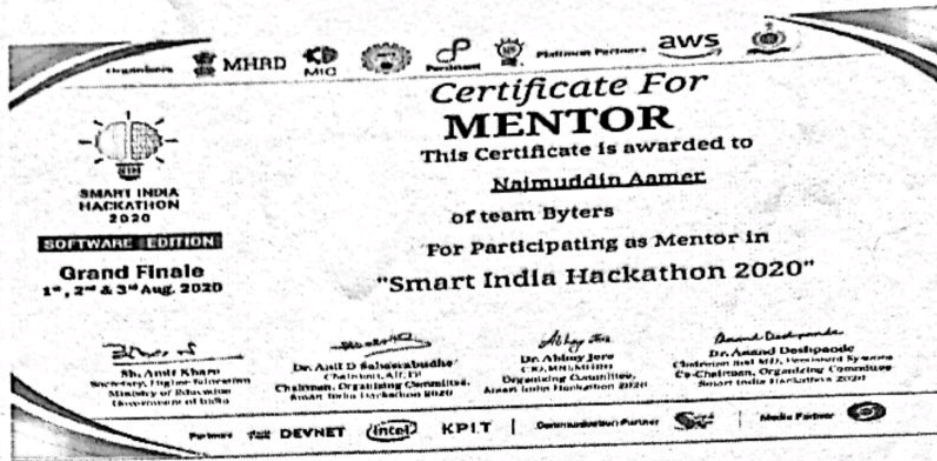


Teams **BLITZKRIEG** participated in Mega ATV Championship 2019 at GOA



Team **Twisted Torque** participated in ISK Go-Kart Event 2018 at Visakhapatnam

Team of 06 members participated in Virtual Smart India Hackathon 2020 organized by MHRD Government of India



Certificate For MENTOR
 This Certificate is awarded to **Naimuddin Aamer** of team **Byters** For Participating as Mentor in "Smart India Hackathon 2020"

SMART INDIA HACKATHON 2020
SOFTWARE EDITION
Grand Finale
 1st, 2nd & 3rd Aug. 2020


Dr. Anil D. Sahasrabudhe
 Secretary, Higher Education
 Ministry of Education
 Government of India

Dr. Anil D. Sahasrabudhe
 Chairman, AICTE

Dr. Abhay Jore
 Co-ordinator, AICTE
 Organizing Committee,
 Smart India Hackathon 2020

Dr. Anand Deshpande
 Professor, IIT Bombay
 Co-Chairman, Organizing Committee,
 Smart India Hackathon 2020

Partners: **DEVNET** | **Intel** | **KPIT** | **CloudPartner Partner** | **Media Partner**



Certificate of PARTICIPATION
 This Certificate is awarded to **Puram shaikh** of team **Byters** for participating in "Smart India Hackathon 2020"

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Dr. Anil Khare
 Secretary, Higher Education
 Ministry of Education
 Government of India

Partners: **DEVNET** | **Intel** | **KPIT** | **CloudPartner Partner** | **Media Partner**



Certificate of PARTICIPATION
 This Certificate is awarded to **Shoaib shaikh** of team **Byters** for participating in "Smart India Hackathon 2020"

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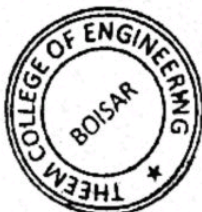
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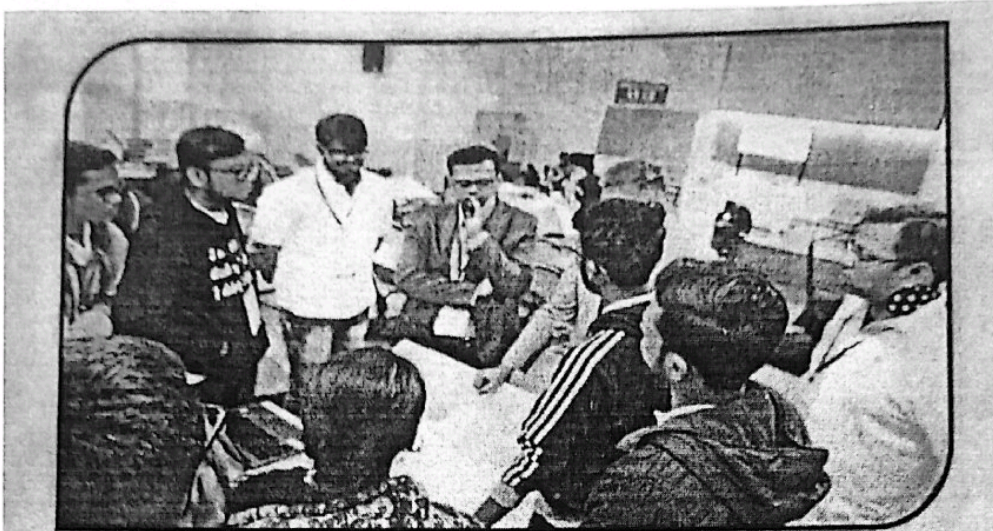
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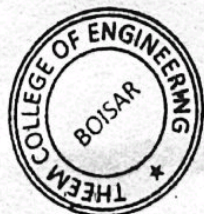
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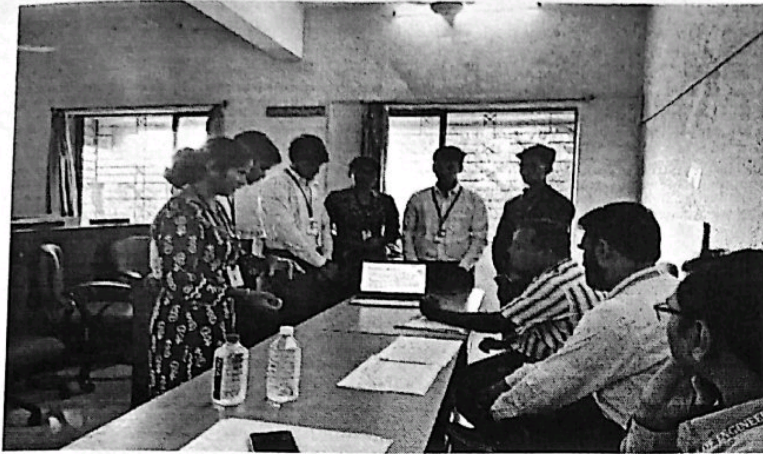
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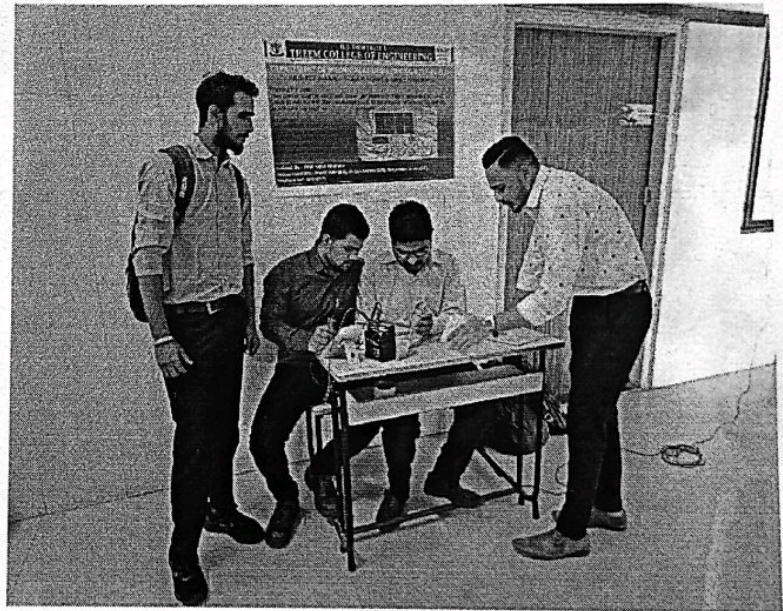


*Team of 06 students participated in Smart India Hackathon 2018-2019 organized by
IIT ROORKEE UTTARAKHAND*

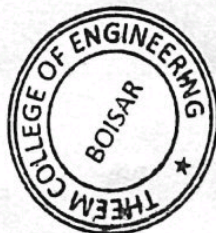


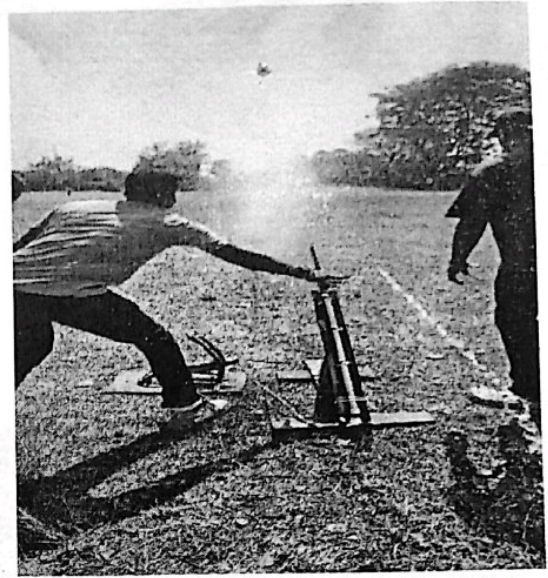


Students Participation in Internal Hackathon



Students Participation in Project Exhibition





Students Participation in Aquabooster Event



Students Participation in Robo Race Event

