

### **Key Indicator - 7.3 Institutional Distinctiveness**

#### **7.3.1 – Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words.**

Theem Maker's Vector 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 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 workshop's liberty and environment encourage students to invent a Quality Innovative Products with cost-consciousness. This approach encourages budding engineers to acquire technical and professional skills.

#### **Objectives:**

1. To update students about recent technological changes in the industry.
2. To encourage students to think innovative.
3. To enhance entrepreneurial and employability skills.

#### **Outcomes and Achievements:**

1. 15 groups participated and presented their projects in Project exhibition 2023 and winners were awarded with certificates.
2. Total 16 Teams have Participated in the internal hackathon for SIH 2023 out of which 15 teams are shortlisted and will be nominated 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.



### **Link for more additional Information**

[https://themcoe.org/attachments/AQAR\\_22-23/7.3.1%20Instituional%20Distinctiveness.pdf](https://themcoe.org/attachments/AQAR_22-23/7.3.1%20Instituional%20Distinctiveness.pdf)



# **Institutional Distinctiveness**

## **1. Project Exhibition- 2023**

## 1. PROJECT EXHIBITION-2023

### OBJECTIVES:

1. Practising project management skills
2. Putting new tools and technologies to the test
3. Investigating new ideas and concepts
4. Making a prototype for a larger project
5. Developing problem-solving and critical-thinking abilities

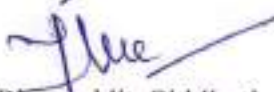
### OUTCOMES AND ACHIEVEMENTS:

1. Students will be able to design solutions for real-time problems that will positively impact society and environment.
2. Students will be able to identify various techniques to be implemented for the selected problem and related technical skills through feasibility analysis.
3. Students will be able to develop clarity of presentation based on communication, teamwork and leadership skills.
4. Students will be able to inculcate professional and ethical behaviour.
5. Develop interpersonal skills to work as member of a group or leader.

### REPORT ON PROJECT EXHIBITION

On 08th April 2023, Theem College of Engineering, Boisar, Organised a Project Exhibition in its Theem Makers Vector. Number of students from various branches of Mechanical, Automobile, Civil etc participated in the exhibition. All the facilities and tools required for students are provided by the College and also the Theem makers Vector is an Innovative Place by itself for the students from which they can take the Inspiration and motivation for the project. The faculties also help the students by their experience and guidance. The chief guest for this exhibition was Mr. Vinit D. Raut (Asst. Prof. VIT), Virar and Dr. Rajesh Bisane (Asst. Prof. SJCE), Palghar. The exhibition started at 10:00 a.m. and was open to all students of the college. The Director of College Dr. N. K. Rana gave a commencement speech and Started the Programme. As the exhibition started, various students presented their projects. Models of Adjustable Lawn Mower, Gyroscope self-balancing wheel, Multi-Axis solar power charging Station, Seamless valves system in IC engine, were built by the students. Dr. Rajesh and Prof. Vinit, along with the Principal, went around looking at the different models designed by the students and assessed the descriptions given by the students. Apart from models, the students also organised visual presentations to help everyone understand the concepts of their working models. Dr. Rajesh Bisane gave a speech on the importance of the contributions of the young generations to the field of science and technology. At the end of the exhibition, upon careful inspection of the different models and projects, Dr. Rajesh Bisane and Prof. Vinit Raut judged the projects on the following attributes: Idea, Implementation, Functionality, Design, Presentation. Among all participating students 3 students were chosen as winners and they are awarded with Certificates and Mementoes for their excellent efforts. The exhibition ended with the Principal Dr. S. Riyazoddin delivering a speech extending their gratitude to Dr. Rajesh and Prof. Vinit Raut and congratulating all the students who participated in the exhibition.

  
Prof. Iqbal Mansuri  
Programme Coordinator

  
Dr. Riyazoddin Siddiqui  
Principal



  
Prof. Wasim Khan  
Department Head

  
Dr. N. K. Rana  
Director



Welcome and Felicitation of Guest by the Principal



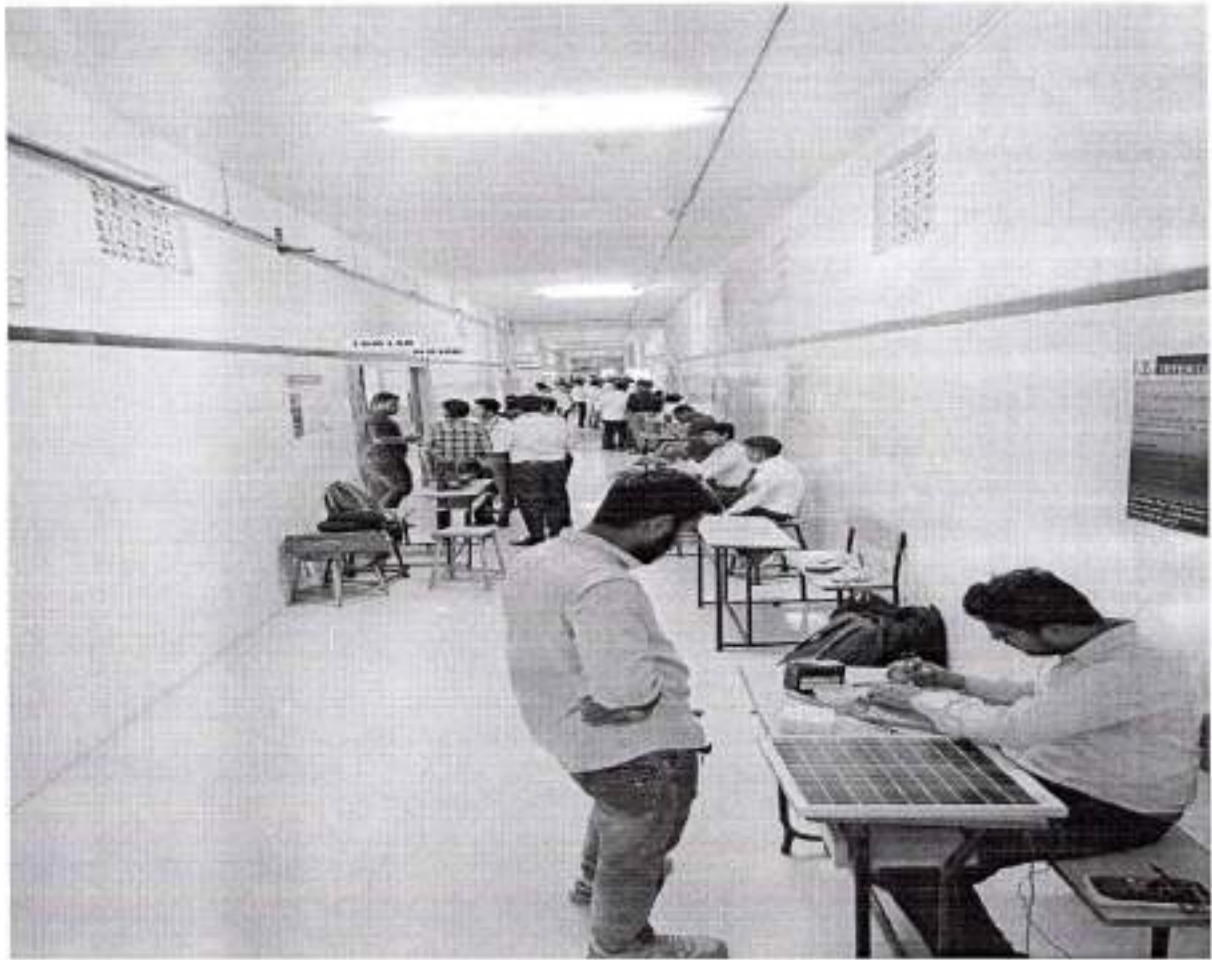
A Brief Introductory Speech by the Director



Students are ready to Showcase their Project



Judging evaluation Process start



Certification Distribution Ceremony





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Village Betegaon, Near Union Park, Boisar Chilhar Road, Boisar (E), Tal.-Dist.-Palghar, 401501. Tel: - (02525)  
284909 / 284926.

Department of Mechanical Engineering

Date: -27/03/2023

**Notice**

All the SE and TE mechanical and automobile students are hereby informed that the department is going to organize a mini project exhibition on dated 08/04/2023 at Theem College of Engineering in the academic year 2022-23. For that you need to plan 2x2 posters, you have to ready with your fabrication model, working model/prototype model and PPT presentations and how to prepare a report with the concern with your respect to guide and finalize your topic, model as before the deadlines.

Note: - 1) All the Project Groups must be Present without fail.

Prof. Iqbal Mansuri  
Mini-Project Exhibition 22-23  
Program Organizer and Convener

Prof. Wasim Khan  
Department Head





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Tel.: +917769916109 • Email : info@theemcoe.org • Website : www.theemcoe.org

## DEPARTMENT OF MECHANICAL ENGINEERING

### Mini Project Group Formation & Participation List

GROUP NO.	Roll No.	MINI PROJECT GROUP VI SEM	Guide Name
1	5	1) Sidhant ghade	Prof. Wasim Khan
	6	2) Rahul gharat	
	7	3) Shashank inamdar	
	29	4) Suchit pawar	
2	10	1) Areeb joad	Prof. Noman Bader
	11	2) Arbaz karol	
	24	3) Hadin mulla	
	19	4) Arbaz khatri	
3	1	1) Joshil bari	Prof. Iqbal Mansuri
	33	2) Arkan sayyed	
	17	3) Sehensha khan	
	42	4) Satyendra yadav	
4	22	1) Kartik mhatre	Prof. Iqbal Mansuri
	30	2) Tanay pimple	
	27	3) Ekarsh patil	
	2	4) Niraj bhagat	
5	40	1) Shruti thakur	Prof. Noman Bader
	20	2) Yash kushalkar	
	21	3) Anish maske	
	28	4) Hirutik patil	
6	36	1) Shaikh mdh Israr	Prof. Abdul Bari
	23	2) Mdh parvez siddique	
	14	3) Khan allaudin	
	8	4) Indrajeet kumar	
7	18	1) Khan tajuddin	Prof. Wasim Khan
	32	2) Vaibhav rasal	
	31	3) Suraj pradhan	
	43	4) Jamilur rahman	
8	34	1) Ashraf sheikh	Prof. Minhaj Hashim
	37	2) Moinuddin asim sheikh	
	39	3) Sidharth kishor tamore	
	41	4) tiwari ujjwal	
9	9	1) Naval Jamsandekar tari	Prof. Minhaj Hashim
	3	2) Laukik Bodke	
	38	3) Gopal Sulokar	
	16	4) Amar khan	
10	35	1) Faheem Shaikh	Prof. Abdul Bari
	15	2) Aman Khan	
	25	3) Zainul Nachan	
	13	4) Adnan Khan	
11	4	1) Ashish Chauvan	Prof. Wasim Khan
	12	2) Khade Omkar	
	26	3) Paghadhare Devansh	

Mini Project Coordinator  
Prof. Iqbal Mansuri



Prof. Wasim Khan  
Department Head





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284909 / 284926,

**Department of Mechanical Engineering**

Date :- 08/04/2023

NAME OF WINNER LIST	PROJECT TITLE	BRANCH
Winner Name		
1 khutade Vinay	Multi-Axis Solar Power Charging Station	T.E Auto
2 Dalvi Rushabh		
3 Joshi Sumit		
4 Panchpade Sanket		
1 st Runner Up		
1 Joshil Bari	Solar Drilling Machine	T.E MECH
2 Arkan Sayyed		
3 Satyender Yadav		
4 Shahenshah Khan		
2 nd Runner Up		
1 Raut Ankit	Seamless Valves System In IC Engine	TE AUTO
2 Shaikh Farhan		
3 Shetty Kshshtji		
4 Singh Aditya		
5 Mali Aniket		

Prof. Iqbal Mansuri  
Mini-Project Exhibition Coordinator

Prof. Wasim Khan  
Department Head





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REF No: TCE/EST/2022-23/212-A Date: 08/04/23

To,

Dr. Rakesh Bisani  
St. John CEM, Palghar,

Subject: Letter of Confirmation Regarding the Invitation as a Judge for Mini Project Exhibition in "Department of Mechanical Engineering at Theem College of Engineering" On 08<sup>th</sup> April 2023. At 10:00 am.

Respected Sir/Madam,

Theem College of Engineering was started in the year 2009-10, with Degree and Diploma programs in Engineering with an objective to impart quality education to students in the field of Technology; Theem College of Engineering has Awarded by the Following Rank The "Lokmat Trend Setters" Award 2020, "Zee 24Tas Appreciation" Award 2022, "Asia Today" Awarded Best Emerging Engineering College in Maharashtra 2022.

Theem College of Engineering has emerged as the only premier college in Boisar, Palghar Dist. with the overall intake of 660 students in various fields of Engineering. Nestled amidst lush greenery, Spread across 10 acres. Theem College of Engineering celebrates the serene splendour of pristine nature. The college offers the perfect setting for an academic environment. The college offers the following courses in Degree: Information Technology, Computer Engineering, Computer Science (AI&ML), Mechanical, Civil, Electrical and Automobile Engineering. Diploma: Mechanical, Computer, Electrical and Civil Engineering.

Mini Project Exhibition is the technical event and Best Practices which is Organized & conducted by Department of Mechanical Engineering by Theem College of Engineering every year for SE, TE Mechanical & Automobile Students for the motivation & creating interest in technical education. You are invited to be a Judge for this program on 08<sup>th</sup> April 2023. At 10:00 am.

We will be honoured for your kind consent of accepting our invitation.  
Thanking you.

Yours faithfully,

Prof. Iqbal Mansuri  
Mini-Project Exhibition 22-23  
Program Organizer and Convener

Dr. Riyazuddin Siddiqui

Principal  
PRINCIPAL

THEEM COLLEGE OF ENGINEERING  
Boisar (Eas), Tal. & Dist. Palghar-401 601.



Received  
Dr. Riyazuddin Siddiqui

Prof. Wasim Khan  
Department Head

Dr. N.K. Rana

Director  
THEEM COLLEGE OF ENGINEERING  
Boisar (Eas) Tal. & Dist. Palghar-401 601



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To, Prof. Vinit Raut  
VTP Vivad (E)

Ref No.: TCE/EST/2022-23/12 Date: 07/04/23

Subject: Letter of Confirmation Regarding the Invitation as a Judge for Mini Project Exhibition in "Department of Mechanical Engineering at Them College of Engineering" On 08<sup>th</sup> April 2023. At 10:00 am.

Respected Sir/Madam,

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We will be honoured for your kind consent of accepting our invitation. Thanking you,

Yours faithfully,

Prof. Iqbal Mansuri

Mini-Project Exhibition 22-23

Program Organizer and Convener

Dr. Riyazuddin Siddiqui

Principal

PRINCIPAL

THEM COLLEGE OF ENGINEERING  
 Boisar (East), Tal. & Dist. Palghar-401 504



*Wasim Khan*

*Wasim Khan*

Prof. Wasim Khan  
 Department Head

*N.K. Rana*

Dr. N.K. Rana

Director  
 DIRECTOR

THEM COLLEGE OF ENGINEERING  
 Boisar (East) Tal. & Dist. Palghar-401 504



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Ref: TCE/EST/2022, 23/337

Date: 08/10/2023

## Thanksgiving Letter

To  
The

Dr. Rajesh Bisani

St. John, CEM Palghar

Subject: Thanks giving letter for the support on Mini Project Exhibition 2023  
Organized & conducted by Department of Mechanical Engineering on 8<sup>th</sup> April 2023.

Respected Sir/Madam,

Greetings of the Day. We are pleased to express our sincere gratitude to you on behalf of Theem college of Engineering for all the efforts you have taken for permitting your Students to be a Part of Mini Project Exhibition 2023.

Your support, kindness and timely assistance were tremendously incredible and made all the activities most successful and unforgettable! The time and effort you dedicated to the event were highly appreciated not only by students but also by the staff who attended. We hope we can hold such events continuously every year.

We express our gratitude to you for all the wonderful Support you have provided to us and wish you all the best for your future endeavours.

Thanking you once again,

Sincerely,

Dr. Riyazuddin Siddiqui

Principal  
PRINCIPAL

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar-401 601

Dr. N.K. Rana

Director

DIRECTOR

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar-401 601





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Ref: TCE/EST/2022-23/338

Date: 08/04/2023

## Thanksgiving Letter

To  
The Prof. Vinod Kant  
VIT, Vinod (E)

Subject: Thanks giving letter for the support on Mini Project Exhibition 2023  
Organized & conducted by Department of Mechanical Engineering on 8<sup>th</sup> April 2023.

Respected Sir/Madam,

Greetings of the Day. We are pleased to express our sincere gratitude to you on behalf of Theem college of Engineering for all the efforts you have taken for permitting your Students to be a Part of Mini Project Exhibition 2023.

Your support, kindness and timely assistance were tremendously incredible and made all the activities most successful and unforgettable! The time and effort you dedicated to the event were highly appreciated not only by students but also by the staff who attended. We hope we can hold such events continuously every year.

We express our gratitude to you for all the wonderful Support you have provided to us and wish you all the best for your future endeavours.

Thanking you once again,

Sincerely,

Dr. Riyazuddin Siddiqui

Principal  
PRINCIPAL

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Patghar-401 501

Received  
[Signature]

Dr. N.K. Rana

Director

DIRECTOR  
THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Patghar- 401 501





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**MINI PROJECT EXHIBITION 22-23**  
**Organized & conducted by Department of Mechanical Engineering**  
**JUDGING CRITERIA**

Key Attributes	Description	Score
Idea	How unique or creative is the concept of the project/product/solution?	10
Implementation	How effective is the technical approach and implementation of the project/product/solution?	10
Functionality	How well the project/product/solution in terms of its claimed functionality?	10
Design	How well the project/product/solution is designed and polished?	10
Presentation	Does the presentation clearly define and address the project/product/solution?	10
<b>Total</b>		<b>50</b>





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## MINI PROJECT EXHIBITION 22-23

Organized & conducted by Department of Mechanical Engineering  
08th April 2023. At 10:00 am.

### Evaluation Sheet

Group No.	Group Member Name	Project Title	Idea (10)	Implementation(10)	Feasibility(10)	Design(10)	Presentation(10)	Total(50)
1	Gaus Salmani Jatin More Surya Rane	Automatic Fog maker	7	6	6	6	6	31
✓	Tejas S. Patil	Air Purifier using Shivamandir Arya bhawan as a filter.	8	8	8	8	8	32
	Abhishek Gupta	Automated baby						
	Saurav Sidkar	Cradle						
	Deepak Kulkarni							
	Rohithash Patil	Water Sample Testing.						

Name of The Judge :-  
Sign

Name of The Judge :-  
Sign



  
Dr. R. V. B. Sone



11111111111111111111

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Website: [www.mccoe.edu.in](http://www.mccoe.edu.in) | Phone: 022-25411111 | Fax: 022-25411111

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# MINI PROJECT EXHIBITION 22-23

08th April 2023, At 10:00 am.

Organized & conducted by Department of Mechanical Engineering

## Evaluation Sheet

Group No.	Group Member Name	Project Title	Working	Implementation	Understanding	Innovating	Presentability	Interim
04	Haraj Bhagat Kavita Prathna Trank Patil Tanay Tripathi	Design, and fabrication of Motorized Pallet Surface Machine (Rolling, Grooving, Cutting).	5	4.5	5	4.5	4.5	21.5
09	Udaya Bedave Gurman Pradhan Kavin Tomar GADAXI SUDHAKAR	Submergence Lather machine.	4	4	4	4	4	22
05	Suren Prasad Rishi S. S. S. S. Rishi. D. D. D. Krunal Talwar	Electrical Brush Cutter	5.5	5	5	5	5	30

Name of The Judge :-

Sign

Name of The Judge :-

Sign



Dr. R. V. Bisen





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## MINI PROJECT EXHIBITION 22-23

Organized & conducted by Department of Mechanical Engineering  
08th April 2023, At 10:00 am.

### Evaluation Sheet

Group No.	Group Member Name	Project Title	Idea (10)	Implementation (10)	Functionality (10)	Design (10)	Presentation (10)	Total (50)
04	Niraj Bhagat Kartik Phatore Ekanish Patil Tanuj Pimple	Design And fabrication of motorized Multi-Purpose Machine (Drilling, Grinding, Cutting).	5	5	5	5	5	25
09	Lokik Bodave Dharmesh Rajshree Moumi Jaisankar Gopal Surokar	Super advance lathe machine.	5	5	5	5	5	25
05	Prashant Phule Rishabh Phule A. V. K. Patil Sruvati Tekare	Electrical Brush cutter	5	5	5	5	5	25

Name of The Judge :-  
Sachin

Name of The Judge :-  
Sachin



Pr. R. K. Bismar



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## MINI PROJECT EXHIBITION 22-23

08th April 2023, At 10:00 am.

Organized & conducted by Department of Mechanical Engineering  
Evaluation Sheet

Group No.	Group Member Name	Project Title	Idea (10)	Implementation(10)	Functionality(10)	Design(10)	Presentation(10)	Total(50)
01	Sidbont G. Ghade	Flow Rate Measurement	8	7	7	6	6	34
	Shashank R. Dondkar	TURBIDIMETER						
	Suchit S. Pawar	TISSUE OF PLANT						
08	Shaikh Ashraf	Advantages condm	7	7	7	7	7	35
	Shaikh Mohiuddin	Methodology Fabrication						
	Tarane Sidhorth	List of parameters						
	Tiwari Ujjwal	INTRODUCTION & objective						
10	Fabeen Shaikh	Manually rollers	7	6	6	6	6	31
	Aman Khan	bending machine.						
	Zainul Naban							
	Adnan Khan							

Name of The Judge :- Vinit D. Raot  
Sign

Name of The Judge :-  
Sign





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 • Telefax: 022221284 937 • Email: ID: info@theemce.org • Website: www.theemce.org

## MINI PROJECT EXHIBITION 22-23

Organized & conducted by Department of Mechanical Engineering  
 Evaluation Sheet

08th April 2023, At 10:00 am.

Group No.	Group Member Name	Project Title	Idea (10)	Implementation (10)	Functionality (10)	Design (10)	Presentation (10)	Total (50)
1	Khadade Vinay Dabi Bushabh Toshi Sumit Paragade Sunil	MULTI-AXIS Slicer Resonant Chopping Station.	10	18	10	18	10	66
2	Pawar Saham Gulale Sampak Santakar Manish Purohit Pratik	Portable Battery for EVS Split Pottery System for EVs	8	8	9	8	8	51
3	Raut Anil Shankar Farhan Shetty Kshiti Singh Aditya	Camless Valve System In IC Engine	8	8	7	8	9	40

Name of The Judge:-  
 Sign  
 Multi-Turniket

Y. J. J. Betezaru  
 Sign

Name of The Judge:-  
 Sign  
 Multi-Turniket



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## MINI PROJECT EXHIBITION 22-23

08th April 2023, At 10:00 am.

Organized & conducted by Department of Mechanical Engineering  
Evaluation Sheet

Group No.	Group Member Name	Project Title	Idea (15)	Implementation (10)	Functionality (10)	Design (10)	Presentation (10)	Total (50)
2	IOAN AKELIS	FRANUCATION &						
	AREAZ KAKOL	DESIGN OF MINI	6	6	6	6	6	30
	AKSHAZ KHATRI	Hydraulic Jack						
	HARIN MULLA							
	SHAIKH ISRA	MULTI PURPOSE	6	6	5	5	5	27
	KHOMI ALWADDI	Machine						
	MADH PAVAR							
	INCHRAJEEV							
2		Adaptation of code in		4	4	5	4	22
4		Drawing Hand Operated	5	5	5	5	5	25
		multi purpose machine						
2		hydraulic jacks	5	6	5	5	6	27

Name of The Judge: *Yash D. Kant*  
Sign: *[Signature]*

Name of The Judge: *Yash D. Kant*  
Sign: *[Signature]*





H. J. THIMIRSET'S

# THEEM COLLEGE OF ENGINEERING, BOISAR

Approved By AICTE ( New Delhi) Government of Maharashtra & DTE

Affiliated To University of Mumbai

Address: Theemgram, Near Union Park, Taluka Chikher Road, Boisar (E), Dist. Palghar, 401301 Tel: (022)225284909-284928

• Telefax: (022)225284922 • Email ID: info@theemcollege.org • Website: www.theemcollege.org

## MINI PROJECT EXHIBITION 22-23

08th April 2023, At 10:00 am.

### Organized & conducted by Department of Mechanical Engineering Evaluation Sheet

Group No.	Group Member Name	Project Title	Topic (10)	Implementation (10)	Examination (10)	Design (10)	Presentation (10)	Total (50)
	ISHORI BHAI APRANT SAYAD Sudhanshu's Men Sudhanshu's Men	Boiler Pans Drill Machine	2	8	8	8	8	42
	Yashar Pabli	Air Purifier assy as filter	6	6	6	7	6	31
9		Super adhesive lather machine	5	6	5	6	7	29
5		Brush cutter	5	5	5	5	6	26
		Natural media for water	6	6	7	6	6	31

Name of The Judge: Yash Dabur

Sign

Name of The Judge: Yash D Dabur

Sign



## **2. Internal Hackathon for SIH- 2023**



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Tele Fax No: - (02525) 284927 \*Email: [info@theemcoe.org](mailto:info@theemcoe.org) \*Website: [WWW.theemcoe.org](http://WWW.theemcoe.org)

## 2. Internal Hackathon for SIH 2023

### Objectives:

- To create a competitive environment among the students.
- To make students aware of societal problems and utilize their technical knowledge to solve societal problems.
- To encourage students to think innovative and bring their innovative ideas into reality to solve the national challenging issues.

### Report of Internal Hackathon for SIH 2023

<b>Date</b>	27th June 2023 (Tuesday) <b>Time:</b> 10:30 AM Onwards
<b>Venue</b>	ITC, 2nd Floor, Building No-01, Theem College of Engineering Boisar

H. J. Thim Trust's Theem College of Engineering had organized an internal hackathon for SIH 2023 on 27th June 2023 (Tuesday) Time 10:30 AM Onwards for the Students. Event was started at 10:30 AM. Prof. Sonali Karthik did anchoring for the event. The Event was inaugurated by the vice chairman of the College Mr. Mohammad Sharif A Thim. He Initiated the event by his formal announcement. The Director of the College Dr. N. K. Rana and Principal of the College Dr. Riyazoddin Siddiqui was the guest. Dr. N. K. Rana gives a brief description and objectives of the internal hackathon. The Teams presented their ideas on selected problem statements. Judges shortlisted best performers teams from all participating teams. Best Performers Teams are shortlisted by performance evaluation parameters. And the Prof. Sneha Sankhe HOD, Information Technology gives vote of thanks to all participants and managing team. SPOC for SIH 2023 from the college is Prof. Sharique Ahmad coordinated the event. More than 16 teams and 96 students have participated in the internal Hackathon. Students have participated enthusiastically and presented their solution to the Jury members. The evaluation process was done with solution presentation as per the SIH 2023 format and students demonstrated the basic functionalities of their solutions. The rigorous evaluation process and feedback done by all the jury members were really helpful for the teams to understand their shortcomings and solution improvement. Jury members congratulated all the team members and gave them best wishes for the national level Smart India Hackathon 2023 event.

### Statistics:

Total 16 Teams have Participated in the internal hackathon for SIH 2023.  
Total 15 teams are Shortlisted and will be nominated for SIH 2023.

  
Prof. Sharique Ahmad

SPOC SIH

  
DIRECTOR

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar-401 501

Dr. N. K. Rana

Director

  
PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar-401 501

Dr. Riyazoddin Siddiqui

Principal





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## Problem statements selected for the internal hackathon

Sr.	Problem Statements	Team Name
01	Language translator tool to convert English to Hindi (official Language) which can be used by all the government organizations websites officially.	Six Innovators
02	Domestic Waste Management	Minus-1
03	Startup-AYUSH Portal	Team Hackathers
04	Start-up AYUSH portal	Hustlers
05	Online Blockchain based certificate generation and validation system for government organization.	HEXAGRAM
06	Tech-Driven Solutions for Undertrial Prisoners in India	Ultimate Pioneers
07	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	Ultimate Pioneers
08	E waste facility locator	Enventors
09	E-Waste Facility Locator	Xavious
10	Identify slow learners for remedial teaching and capacity building for innovative methods	CtrlAltDefeat
11	Mental health and well being surveillance assessment and tracking solution amount child	Theems Riders
12	Create an Intelligent system using AI/ML to detect phishing domains which imitate look and feel of genuine domains	Salient Devs
13	Student Innovation	Knight riders
14	Student Innovation	Jaldi Chalo
15	Student Innovation	The Buggers
16	App Based solution to provide market access to micro and small enterprises	Tech phantoms
17	Automatic Public Lighting	Theem Tech squad







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**Event Photos:**



*Felicitaiton of Guests*

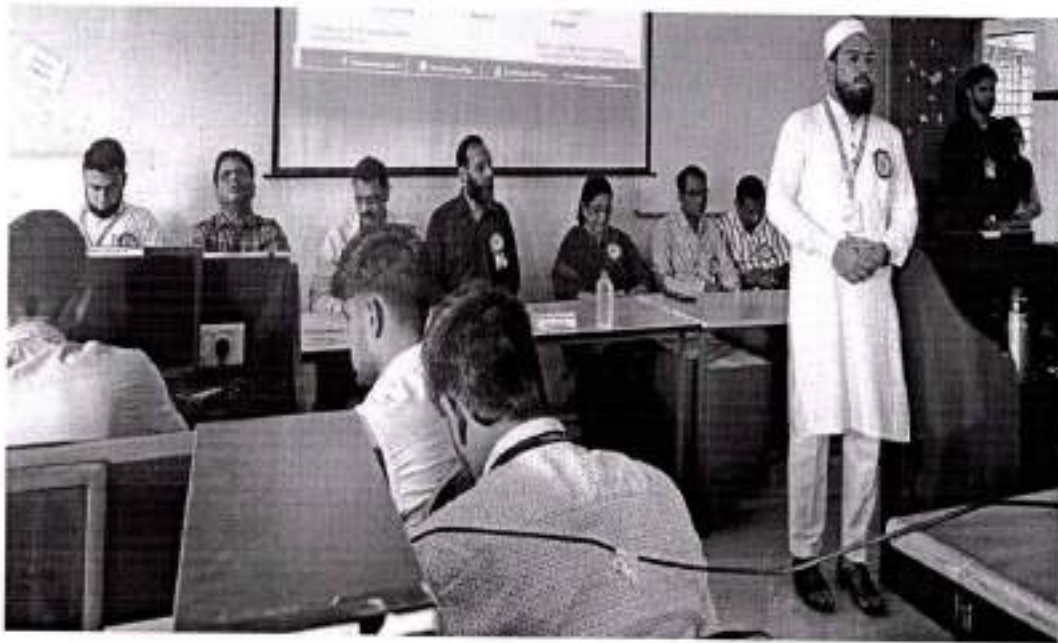




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*A brief Introduction by Prof. Sharique Ahmad*



*Teams' discussion*





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**Teams Presentation in front of Juri Panel**





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## Participating Teams:

Sr.	Team Name	Team Leader Name	PS ID	Category	Problem Statement
1	Six Innovators	Vivekkumar Santosh Chauhan	SIH1301	Software	Language translator tool to convert English to Hindi (official Language) which can be used by all the government organizations websites officially.
2	Minus-1	Deepak Bhist	SIH1322	Software	Domestic Waste Management
3	Team Hackathers	Wali Mohammad Kadri	SIH1345	Software	Startup-AYUSH Portal
4	Hustlers	Harsh Gharat	SIH1345	Software	Start-up AYUSH portal
5	HEXAGRAM	Areeb Khan	SIH1365	Software	Online Blockchain based certificate generation and validation system for government organization.
6	Ultimate Pioneers	PRANAY PANDHAR I PARAB	SIH1282	Software	Tech-Driven Solutions for Undertrial Prisoners in India
			SIH1383	Software	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.
7	Enventors	Komal Siddharth	SIH1392	Software	E waste facility locator





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8	Xavious	Mohammed Irfan	SIH1392	Software	E-Waste Facility Locator
9	CtrlAltDef eat	Patil Vini Suresh	SIH1432	Software	Identify slow learners for remedial teaching and capacity building for innovative methods
10	Theems Riders	Hussain shaikh	SIH1433	Software	Mental health and well being surveillance assessment and tracking solution amount child
11	Salient Devs	Manvith Bhandari	SIH1454	Software	Create an Intelligent system using AI/ML to detect phishing domains which imitate look and feel of genuine domains
12	Knight riders	Anurag Mishra	SIH1486	Software	Student Innovation
13	Jaldi Chalo	Syed Sumbul Fatima	SIH1489	Software	Student Innovation
14	The Buggers	Arfa Shaikh	SIH1492	Software	Student Innovation
15	Tech phantoms	Mohammad Sameer Ansari	SIH232	Software	App Based solution to provide market access to micro and small enterprises
16	Theem Tech squad	Divakar Laxman Mallah	SIH1300	Hardware	Automatic Public Lighting





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### Gender wise Participation

Total Boys Participated	Total Girls Participated	Total Participants
68	28	96

### Participation Statistics:

Total Number Teams Participated in the internal hackathon for SIH 2023.	16
Total Number Teams are Shortlisted and will be nominated for SIH 2023.	15

Prof. Sharique Ahmad  
**SPOC SIH**

**DIRECTOR**  
THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar- 401 501  
Dr. N. K. Rana  
**Director**

**PRINCIPAL**  
THEEM COLLEGE OF ENGINEERING  
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## Nominated Top Teams:

Sr.	Team Name	Team Leader Name	PS ID	Category	Problem Statement
1	Six Innovators	Vivekkumar Santosh Chauhan	SIH1301	Software	Language translator tool to convert English to Hindi (official Language) which can be used by all the government organizations websites officially.
2	Minus-1	Deepak Bhist	SIH1322	Software	Domestic Waste Management
3	Team Hackathers	Wali Mohammad Kadri	SIH1345	Software	Startup-AYUSH Portal
4	Hustlers	Harsh Gharat	SIH1345	Software	Start-up AYUSH portal
5	HEXAGRAM	Areeb Khan	SIH1365	Software	Online Blockchain based certificate generation and validation system for government organization.
6	Ultimate Pioneers	PRANAY PANDHARI PARAB	SIH1282	Software	Tech-Driven Solutions for Undertrial Prisoners in India
7	Enventors	Komal Siddharth	SIH1392	Software	E waste facility locator
8	Xavious	Mohammed Irfan	SIH1392	Software	E-Waste Facility Locator
9	CtrlAltDefeat	Patil Vini Suresh	SIH1432	Software	Identify slow learners for remedial teaching and capacity building for innovative methods
10	Salient Devs	Manvith Bhandari	SIH1454	Software	Create an Intelligent system using AI/ML to detect phishing domains which imitate look and feel of genuine domains
11	Knight riders	Anurag Mishra	SIH1486	Software	Student Innovation
12	Jaldi Chalo	Syed Sumbul Fatima	SIH1489	Software	Student Innovation
13	The Buggers	Arfa Shaikh	SIH1492	Software	Student Innovation
14	Tech phantoms	Mohammad Sameer Ansari	SIH232	Software	App Based solution to provide market access to micro and small enterprises
15	Theem Tech squad	Divakar Laxman Mallah	SIH1300	Hardware	Automatic Public Lighting





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## Judging Process:

- Following evaluation parameters was selected for judgment:

Sr. No	Parameters	Max Marks
1	Novelty of the idea and newness of approach	10
2	Degree of innovation	10
3	Wealth generation and cost to benefit	10
4	Simplicity & uniqueness of proposed solution	10
5	Practicability & sustainability of solution	10
6	Scale of impact	10
7	Robustness and replicability	10
8	Potential for future application	10
9	Operational feasibility	10
10	Human development and Mission LiFE goals; think local	10
	<b>Total Marks</b>	<b>100</b>

## Juri Panel:

Sr. No	Name of Juries	Designation
1	Prof. Raees Shaikh	HOD, Electrical Engineering TheemCOE Boisar
2	Prof. Mubashir Khan	HOD, Computer Engineering TheemCOE Boisar
3	Prof. Sneha Sankhe	HOD, Information Technology TheemCOE Boisar
4	Prof. K. N. Attarde	HOD, CSE AIML TheemCOE Boisar
5	Prof. Faiz Mohammad Khan	HOD, Civil Engineering TheemCOE Boisar
6	Prof. Waseem Khan	HOD, Mechanical Engineering TheemCOE Boisar



Prof. Sharique Ahmad

SPOC SIH

THEEM COLLEGE OF ENGINEERING  
Boisar (E) Tal. Palghar - 401 501  
Dr. N. K. Rana  
Director

PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (E) Tal. Palghar - 401 501  
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Date: 24th June 2023

## Permission letter

To,

The Principal  
Theem college of Engineering Boisar.

**Sub: Seeking Permission for Internal Hackathon for SIH 2023**

Respected Sir

I am Shaikh Sharique Ahmad from the Department of information technology, SPOC for SIH 2023 asking for permission to conduct the internal hackathon for SIH 2023. This event is scheduled on the date of 27th June 2023 (Tuesday) from 10:30 AM onwards. Venue for the scheduled event will be ITC LAB IT, 2nd Floor, building No:01. I more asking for grant permission for space utilization and required resources.

I request you to give us the permission to conduct this competition.

With best regards,

Yours Sincerely,

Prof. Sharique Ahmad  
SPOC SIH

Permitted  
The

Enclosed:

1. Schedule of the internal hackathon for SIH 2023





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**Date:** 24th June 2023

## NOTICE

All the students, Teaching and non Teaching Staff are hereby informed that our institute is organizing an **Internal Hackathon for SIH 2023** on **27th June 2023** (Tuesday) at 10:30 AM onwards. The venue for this competition is ITC lab, 2nd floor, Building no: 01, Theem college of Engineering Boisar.

All faculty members are requested to encourage the students to take part in it. Through this internal hackathon participants will be shortlisted for main SIH 2023. In response to making this competition successful, all are requested to please be present in the program.

Prof. Sharique Ahmad  
SPOC SIH

PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (East), Tal. & Dist. Palghar-401 501  
Dr. Riyazoddin Siddiqui  
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**Date:** 24th June 2023

## Schedule

**Name of Activity:** Internal Hackathon for SIH 2023

**Date:** 27th June 2023

**Day:** Tuesday

**Time:** 10:30 AM onwards

**Venue:** ITC lab, 2nd floor, Building no: 01, Theem college of Engineering Boisar.

Sr. No	Agenda	Time
01	Recitation of Holy Quran	10:35 To 10:40
02	Welcome and felicitation of juries and Guest	10:40 To 11:00
03	Start of Competition	11:00 AM onwards
04	Vote of Thanks and event Conclusion	5:00 To 5:10

Prof. Sharique Ahmad  
SPOC SIH

PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (East), Tal. & Dist. Palghar-401 501.  
Dr. Kiyazuddin Siddiqui

Principal

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Tele Fax No: - (02525) 284927 \*Email: [info@theemcoe.org](mailto:info@theemcoe.org) \*Website: [WWW.theemcoe.org](http://WWW.theemcoe.org)

Date: 26th June 2023

## Judge Invitation Letter

To,

Prof. Sneha Sankhe,  
HOD IT  
Theem college of Engineering Boisar

**Sub: Letter of Invitation to Be Judge Internal Hackathon for SIH 2023**

Respected Sir/Madam,

We are very much honored to be able to send you this invitation to be the judge of our event **internal hackathon for SIH 2023**. This event will occur on **27th June 2023 at ITC Lab, First Floor, Building no:01, TheemCOE Boisar. from 10:30 AM onwards**. Other people will accompany you to this event to help you as much as possible.

Our event will consist of a presentation of a prototype and idea/problem statement. So Teams will represent their ideas. And then best teams will be shortlisted for smart india hackathon 2023. I hope your guidance will help us get a better judgment and enrich our views in this field. Our committee will be very much grateful for your kind gesture and guidance.

We are extremely excited to get a positive reply from you.

Hope you will give us this opportunity to serve you.

Thank you very much,

Regards,

Prof. Sharique Ahmad  
SPOC SIH

PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
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Dr. Riyazoddin Siddiqui

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Date: 26th June 2023

## Judge Invitation Letter

To,

Prof. Mubashir Khan,  
HOD Computer Engineering  
Theem college of Engineering Boisar

**Sub: Letter of Invitation to Be Judge Internal Hackathon for SIH 2023**

Respected Sir/Madam,

We are very much honored to be able to send you this invitation to be the judge of our event **internal hackathon for SIH 2023**. This event will occur on **27th June 2023 at ITC Lab, First Floor, Building no:01, TheemCOE Boisar. from 10:30 AM onwards**. Other people will accompany you to this event to help you as much as possible.

Our event will consist of a presentation of a prototype and idea/problem statement. So Teams will represent their ideas. And then best teams will be shortlisted for smart india hackathon 2023. I hope your guidance will help us get a better judgment and enrich our views in this field. Our committee will be very much grateful for your kind gesture and guidance.

We are extremely excited to get a positive reply from you.

Hope you will give us this opportunity to serve you.

Thank you very much,

Regards,

Prof. Sharique Ahmad  
SPOC SIH

PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (E), Palghar Dist. 401404

Dr. Riyazuddin Siddiqui  
Principal



**3. Best Paper Titled in  
3rd International  
Conference THEEM-  
2023**

### 3. Best Paper Titled in 3<sup>rd</sup> International Conference

A Report on 3<sup>rd</sup> International Conference Trends and Herald in Engineering Excellence and Metamorphosis (THEEM-2023).

To cope with the new trends and the rate of transformation in the arena of engineering and technology, Theem College of Engineering (Theem COE) have initiated a step ahead to conduct international Conferences in the campus under the name of THEEM (Trends and Herald in Engineering Excellence and Metamorphosis). Theem COE conducted the first National Conference THEEM-2020 in the year 2020 which had boosted us towards the present two days International conference THEEM-2023. The conference received various research papers of various areas of specialization from UG and PG students and from industries. Few papers were selected by the publication committee and are accepted to present their papers in the International conference THEEM-2023. It is an opportunity for showcasing the efforts and expertise in creating innovative solutions to real-world problems by engineering students. All the facilities for the students to make the projects and to publish the paper in conference are provided by the Theem Makers Vector. There was a selection of the best paper presentation of each track. And selected papers were forwarded for publication in the ICTACT Journals.

The conference 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. The event was inaugurated by Dr. Mohammad Israr, President Maryam Abacha American university, Nigeria. The keynote of the conference was delivered by Dr. K. P. Karmakaran, Professor IIT Bombay and Dr. Pirsab Attar, Asst. Professor, Dept of Production Engineering, VJTI, Matunga Mumbai. After that all session chairs are welcomed and felicitated by college higher authorities and senior staff. Hereafter the beginning of the sessions are announced. Different sessions are simultaneously conducted for each track. And session chairs for respective tracks judged each presentation. Track coordinator monitored and guided the entire session.



**The following Students were awarded the Best Paper Title in 3<sup>rd</sup> International Conference as per track wise details as follows.**

**In Track 1 Comp./IT :**

The following Students has Participated & Presented a paper titled on "Prevention of Drwning Incidents in Swimming pool on automated vision based surveillane system" (first Prize) in THEEM-2023 held on 28 & 29 April 2023 at Theem College of Engineering.

- 1.Avinash Singh
- 2.Ankit Tripathi
- 3.Rajan Vishwakarma

The following Students has Participated & Presented a paper titled on "Aahar –Homemade Food delivery application" (Second Prize) in THEEM-2023 held on 28 & 29 April 2023 at Theem College of Engineering.

- 1.Yash Shukla
- 2.Niraj Kumar Rana
- 3.Hemant Barde

**In Track 2 ELEC./EXTC :**

The following Students has Participated & Presented a paper titled on "Simulation based In- built charging hybrid EV with IC engine and external source" won (first Prize) in THEEM-2023 held on 28 & 29 April 2023 at Theem College of Engineering,

- 1.Praryush Dave
- 2.Ganesh Kolekar
- 3.Pooja Arekar
4. Surya

**In Track 3 CIVIL :**

The following Student has Participated & Presented a paper titled on "Cost Analysis for shield building" won (first Prize) in THEEM-2023 held on 28 & 29 April 2023 at Theem College of Engineering.

- 1.Amey Parab







# 3<sup>rd</sup> International Conference on

## Trends n Herald in Engineering Excellence and Metamorphosis (THEEM-2023)

Organized by  
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# THEEM COLLEGE OF ENGINEERING

## Certificate of Appreciation

This is to certify that Prof./Dr./Mr./Ms. Arineth Singh of  
Information Technology for best paper in **THEEM-2023** for a paper titled  
Evolution of Drawing students in Swimming Pool in A.V. Road S.S.  
held on 28<sup>th</sup> & 29<sup>th</sup> April 2023 at Shriem College of Engineering, Boisar (E), Dist. Palghar - 401501

Conference Chair  
Dr. N. K. Rana

Conference Chair  
Dr. Riyazoddin Siddiqui



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### (THEEM-2023)



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field on 28<sup>th</sup> & 29<sup>th</sup> April 2023 at Theem College of Engineering, Boisar (E), Dist. Palghar - 401501.

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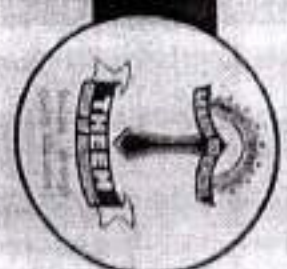
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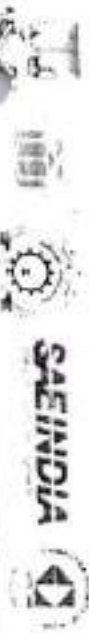


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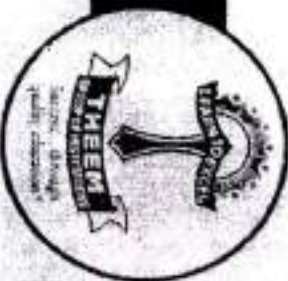


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