CLOSURE REPORT

About the event

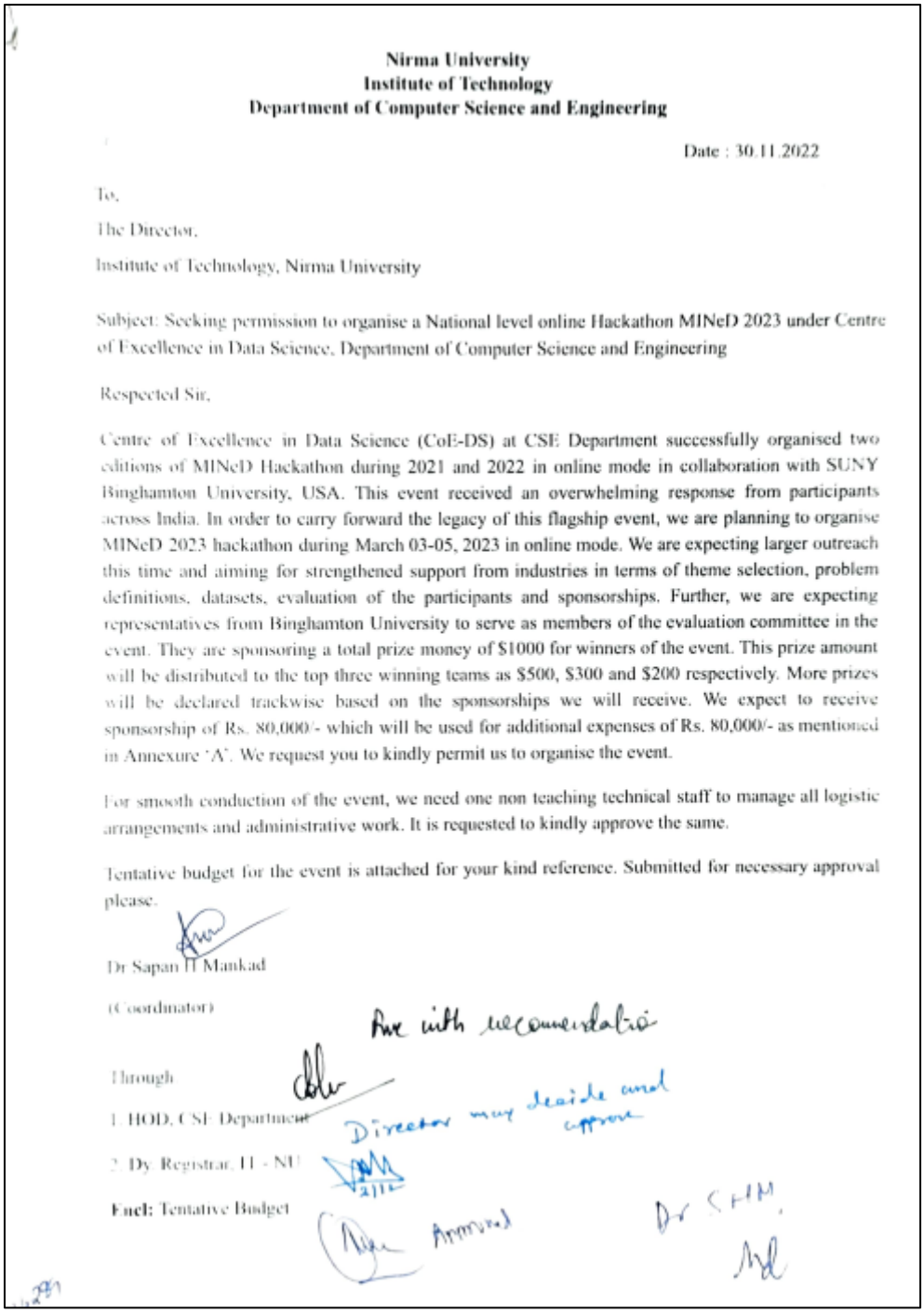
The Centre of Excellence in Data Science established at the Department of Computer Science and Engineering organised an online national level Hackathon **(MINeD)** during March 03-05, 2023 in collaboration with SUNY Binghamton University, USA.

About the sponsors

The track sponsors of the event were

1. AI City LLC
2. InfocusP Innovations
3. Intech Creative Services
4. J K Lakshmi Cement Ltd
5. Cactus Communications
6. D360 Technologies

Approval



Nirma University
Institute of Technology
Department of Computer Science and Engineering

Date : 30.11.2022

To,

The Director,

Institute of Technology, Nirma University

Subject: Seeking permission to organise a National level online Hackathon MINeD 2023 under Centre of Excellence in Data Science, Department of Computer Science and Engineering

Respected Sir,

Centre of Excellence in Data Science (CoE-DS) at CSE Department successfully organised two editions of MINeD Hackathon during 2021 and 2022 in online mode in collaboration with SUNY Binghamton University, USA. This event received an overwhelming response from participants across India. In order to carry forward the legacy of this flagship event, we are planning to organise MINeD 2023 hackathon during March 03-05, 2023 in online mode. We are expecting larger outreach this time and aiming for strengthened support from industries in terms of theme selection, problem definitions, datasets, evaluation of the participants and sponsorships. Further, we are expecting representatives from Binghamton University to serve as members of the evaluation committee in the event. They are sponsoring a total prize money of $1000 for winners of the event. This prize amount will be distributed to the top three winning teams as $500, $300 and $200 respectively. More prizes will be declared trackwise based on the sponsorships we will receive. We expect to receive sponsorship of Rs. 80,000/- which will be used for additional expenses of Rs. 80,000/- as mentioned in Annexure 'A'. We request you to kindly permit us to organise the event.

For smooth conduction of the event, we need one non teaching technical staff to manage all logistic arrangements and administrative work. It is requested to kindly approve the same.

Tentative budget for the event is attached for your kind reference. Submitted for necessary approval please.

Dr Sapan H Mankad

(Coordinator)

Through

1. HOD, CSE Department

2. Dy. Registrar, IT - NU

Encl: Tentative Budget

Ave with recommendation

Director may decide and approve

Approved

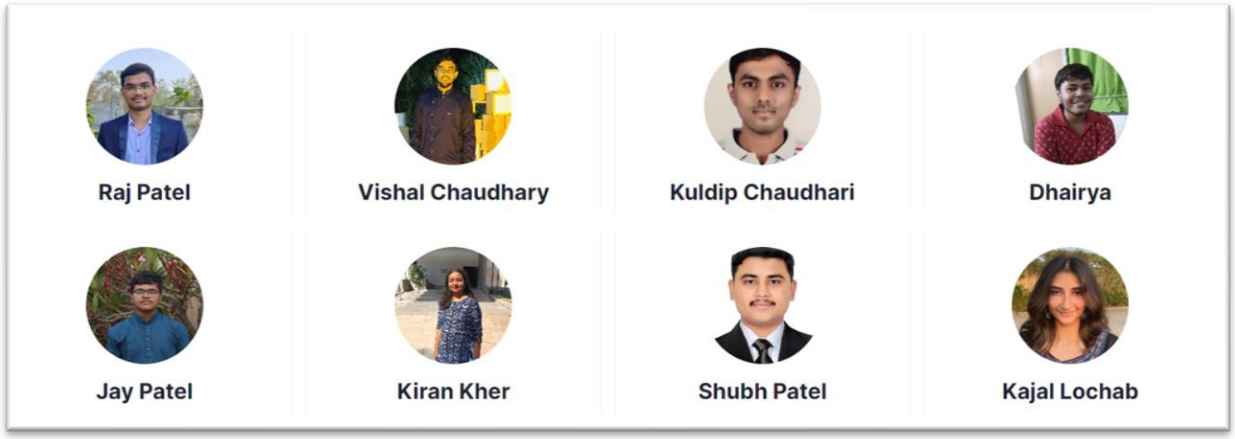
Dr S.H.M.

Event Brochure

Advisors

- Dr. Rajesh N Patel Director, Institute of Technology, Nirma University
- Dr. Sangwon Yoon, Professor, System Science and Industrial Engineering, SUNY Binghamton University
- Dr. Madhuri Bhavsar, Head of CSE Department, Institute of Technology, Nirma University
- Dr. Priyank Thakkar, Coordinator, Centre of Excellence in Data Science
- Dr. Swati Jain, Coordinator, Centre of Excellence in Data Science

Team of student volunteers



Track Details

The 48-hour long hackathon was organized to provide an opportunity for developing innovative and smart solutions in the fields of Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision,

Natural Language Processing, Internet of Things etc. for the betterment of the local community and society at large.

The online inaugural function for the event was held on March 3, 2023. Dr. Yong Wang, Associate Professor, Systems Science and Industrial Engineering, SUNY Binghamton University addressed and greeted the participants with his welcoming remarks. Dr. R N Patel, Director, Institute of Technology presented a brief overview of the event. Dr Patel discussed various takeaways for the participants from this event. Dr. Madhuri Bhavsar, Head, CSE Department presented a vote of thanks and wished all participants for their best performance. Faculty members from the CSE Department also attended the function.

Technical Talk

- “Writing the Future - How prompt Engineering is reshaping AI” by Mr. Parth Agrawal, AI Evangelist, Cactus Communications

Participation Details

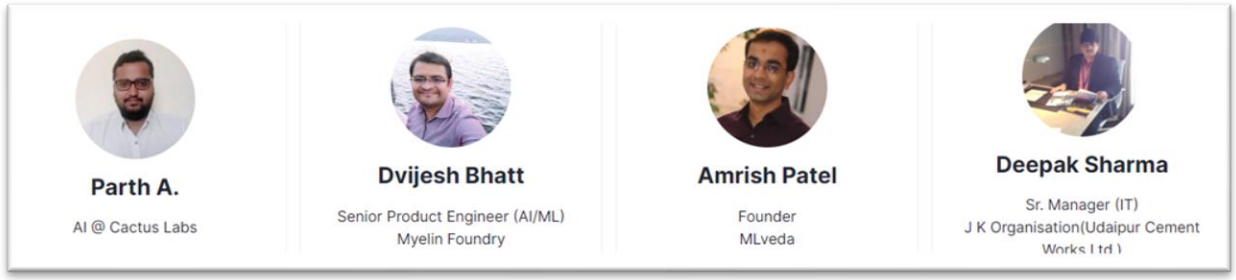
The event received an overwhelming response in terms of participation from various states of India with 988 registrations. After scrutiny, more than 115 teams were selected to work on specific problem definitions. The participants were from around 27 institutions from the country.

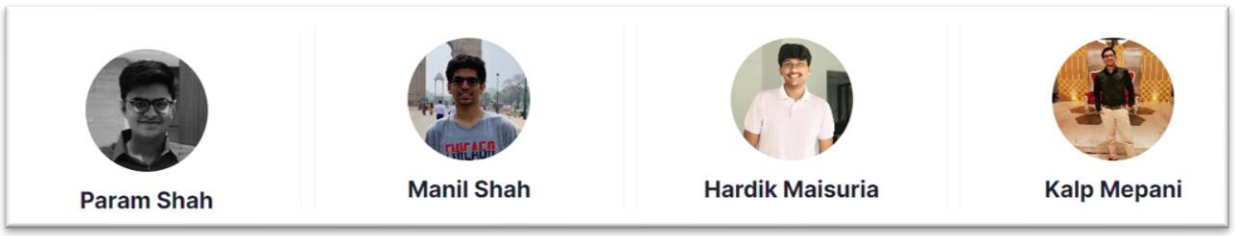
Major Participating Institutes

- Nirma University, Ahmedabad
- SRM Institute of Science and Technology, Chennai
- Ganpat University, Kherva
- Government Engineering College, Bhavnagar
- Banasthali Vidyapith, Rajasthan
- Coimbatore institute of Technology
- L J institute of engineering and technology
- MKSSS's Cummins College of Engineering for Women, Pune
- Dibrugarh University, Assam
- G H Patel College of Engineering and Technology
- Symbiosis Institute of Technology, Pune
- Indus University, Ahmedabad
- S.P.B Patel Engineering College
- Sal Institute of Technology and Engineering, Ahmedabad
- MIT-World Peace University
- Atharva College of Engineering, Mumbai
- Ahmedabad University
- Adani University, Ahmedabad
- College of Technology and Engineering, Udaipur
- Babaria Institute of Technology, Vadodara

Mentoring

Various mentorship sessions were also conducted during the event wherein our mentors addressed the queries of the participants and provided them technical support to solve their doubts.

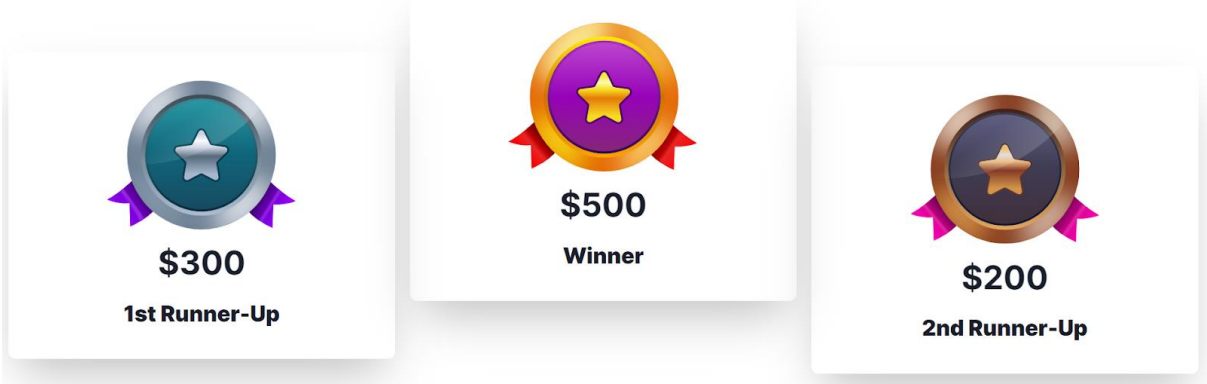




Details of Winners

After two rounds of thorough evaluation in presence of faculty members from SUNY Binghamton University, three teams were declared as grand prize winners.

List of Grand Prize winners



Prize	Team	Members
First ($500)	**WINGINEERS** Banasthali Vidyapith, University in Radha Kishnpura, Rajasthan	• Drishti Chauhan • Ishita Singh Rathore • Gunjan Chaudhary
Second ($300)	**CypherNerds** CSE Department, Institute of Technology, Nirma University	• Aryan Pandi • Dhara Raval • Inzelabanu Mirza • Maitri Patel • Malav Gajera
Third ($200)	**Griffindor** Symbiosis Institute Of Technology, Pune and Atharva College of Engineering, Mumbai	• Sandeep Vishwakarma • Sai Bhatkar • Darshan Rajpurohit • Satyam Palkar

Industry sponsored track prizes

In addition to this, our industry partners also sponsored prize money for their tracks.

Track 1: Currency Exchange Rate Prediction		
Rank & Prize	**Winning Team**	**Team Members**
First (INR **10,000/-**)	**Speech Alchemy** MKSSS's Cummins College of Engineering for Women, Pune	• Aditi Sant • Gargee Dorle • Maitreyee Patil • Shreya Mote • Mrunal Vibhute
Second (INR **5000/-**)	**Team Koders** CSE Department, Institute of Technology, Nirma University	• Khush Shah • Tapan Patel • Parth Vasani • Amey Agrawal • Kriti verma
Third (INR **2500/-**)	**Squad 7** Cummins college of engineering for women, Pune	• Monali Borekar • Charu Tiwari • Felicia Carvalho

Track 2: Stock Price Pattern Analysis		
Rank & Prize	**Winning Team**	**Team Members**
First (INR 25,000/-)	**Team Tensor** CSE Department, Institute of Technology, Nirma University	• Amaan Mansuri • Anaya Patel • Atir Sakhrelia • Nilay Lilawala • Ravij Bharadwaj

Track 3: BrainWave: An AI based solution		
Rank & Prize	**Winning Team**	**Team Members**
First (INR **15,000**/-)	**Tech Titans** CSE Department, Institute of Technology, Nirma University	• Amish Pandya • Jainish Parekh • Raghav Patel • Naitik Rajyaguru • Siddharth Rangnani
Second (INR **10,000**/-)	**Coders** CSE Department, Institute of Technology, Nirma University	• Arya Vishal Yogeshbhai • Arkin Gamit • Varad Acharya

Track 4: Paperpal: Future of Academic Writing		CACTUS
Rank & Prize	**Winning Team**	**Team Members**
First (INR 15,000/-)	**CypherNerds** CSE Department, Institute of Technology, Nirma University	• Aryan Pandi • Dhara Raval • Inzelabanu Mirza • Maitri Patel • Malav Gajera
Second (INR 10,000/-)	**The Slytherin Synapses** CSE Department, Institute of Technology, Nirma University	• Bhargav Modha • Akshay Patel • Alok Sinh R Chudasama • Dhyey N Bhalani • Shashank Chaudhary
Track 5: Applied Machine Learning for manufacturing Industry's Problems		JK LAKSHMI CEMENT
Rank & Prize	**Winning Team**	**Team Members**
First (INR 10,000/-)	**WINGINEERS** Banasthali Vidyapith, University in Radha Kishnpura, Rajasthan	• Drishti Chauhan • Ishita Singh Rathore • Gunjan Chaudhary
Second (INR 5000/-)	**Coded Chaos** CSE Department, Institute of Technology, Nirma University	• Parv Modi • Vedant Modi • Shaharsh Khunt • Niraj Vadher • Sanskruti Gondaliya

Track 6: **Querying diamond inventory through chatbots**		
Rank & Prize	**Winning Team**	**Team Members**
First (INR 15,000/-)	**BitBombers** CSE Department, Institute of Technology, Nirma University	• Shivang Patel • Atharva • Devam • Sahaj • Sheshang
Second (INR 10,000/-)	**System D** CSE Department, Institute of Technology, Nirma University	• Arunima Barik • Bhargav Patel • Dwij Bavisi • Meet Amin • Gaurav Golchha
Third Prize (INR 5000/-)	**Innovatech** CSE Department, Institute of Technology, Nirma University	• Devansh Shah • Aaryan Chokshi • Devasy Patel • Divy Cholera • Rahil Shah
Consolation Prize (INR 1000/-)	**Team Navi** CSE Department, Institute of Technology, Nirma University	• Vaghasiya Dhrumilkumar Dineshbhai • Beladiya Vasu Kishorbhai • Jensi Ghanshyambhai Bodrya • Om Dharmeshkumar Mavani • Goti Darshi

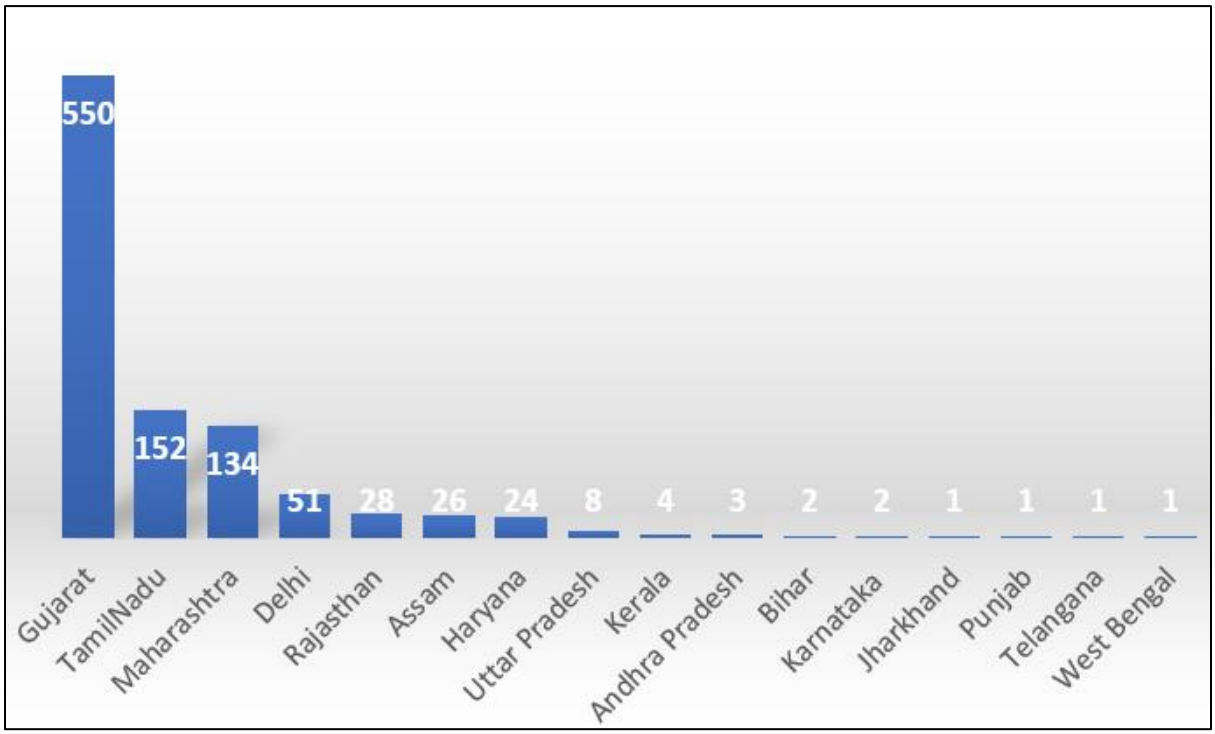
Consolation Prize (INR 1000/-)	**Ctrl-Alt-Defeat** CSE Department, Institute of Technology, Nirma University	• Aditya Jha • Parth Shah • Tanvi Dhoka • Prathamesh Borse • Prajay Kotecha
Consolation Prize (INR 1000/-)	**Phoenix** CSE Department, Institute of Technology, Nirma University	• Bhavdipkumar Patel • Dhruvil Prajapati • Tarjani Patel • Om Patel • Viraj Patel

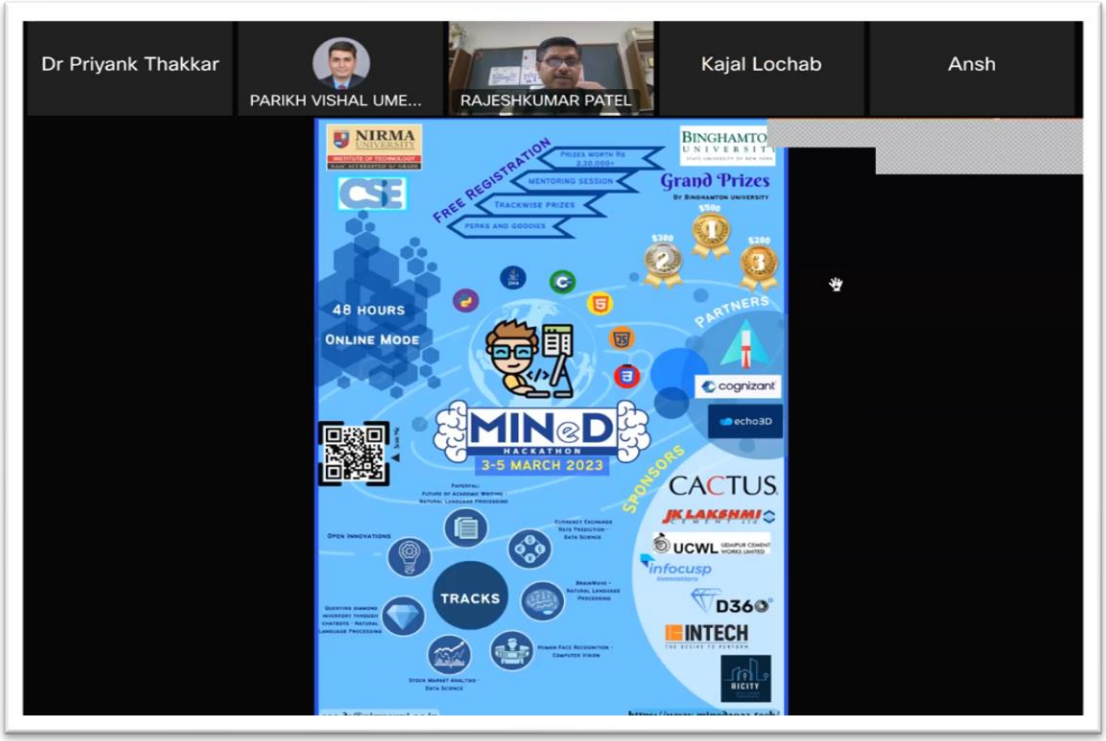
Track 7(I): Open Innovations (Drone Based Number Plate Detection)		
Rank & Prize	**Winning Team**	**Team Members**
First	**Chamber of Secrets** Indus University, Ahmedabad	• Durgesh Ninave • Het Patel • Deep Patel • Nihar Patel
Track 7(II): Open Innovations		
Rank & Prize	**Winning Team**	**Team Members**
First	**Griffindor** Symbiosis Institute of Technology, Pune	• Sandeep Vishwakarma • Sai Bhatkar • Darshan Rajpurohit • Satyam Palkar

Highlights of MINeD 2023

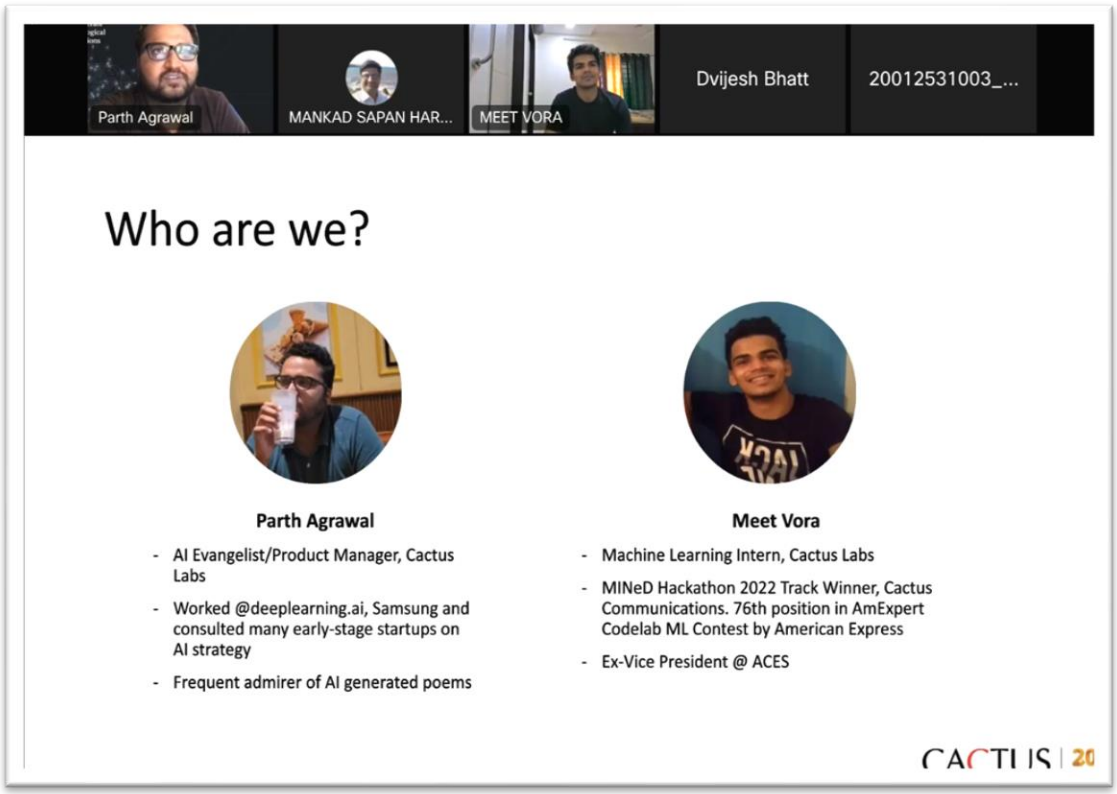
- 988 individual registrations
- 16 states
- 150 teams formed
- 71 teams submitted final solutions
- 50 teams presented their work
- 16 teams winning track prizes
- 8 teams selected for Grand Prize
- 3 teams winning Grand Prize
- 7 tracks for problem solving
- 6 track sponsors
- 9+ mentors available for solving queries of participants
- Active communication on Discord between teams and mentors
- Technical Talk on Chat GPT!
- Prizes worth 2,30,000+

Diversity of participant registrations





Inauguration Session



Technical Talk

Grand Prize Declaration

Regards,

Team MINeD 2023

Dr. Sapan H Mankad
Dr. Vishal Parikh
Dr. Rupal Kapdi