DATE: 10/03/2022

A REPORT ON INTERNAL SIH – 2022 " SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, NASHIK"

1. About the event

Event Name: SITRC Internal Hackathon for Smart India Hackathon 2022

Smart India Hackathon 2022 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving.In SIH 2021, the students would have the opportunity to work on challenges faced within various Ministries, Departments, Industries, PSUs and NGOs to create world class solutions for some of the top organizations including industries in the world, thus helping the Private sector hire the best minds from across the nation.

It can help to:

- Harness creativity & expertise of students
- Spark institute-level hackathon
- Build funnel for 'Startup India' campaign
- Crowd source solutions for improving governance and quality of life
- Provide opportunity to citizens to provide innovative solutions to India's daunting problems

Internal Smart India Hackathon 2022: Preliminary selection for Smart India Hackathon 2022.

#SIH2022 is a grand opportunity to showcase students'potential to the world. it will surely act as a catalyst in students career growth.

Steps need to be followed to participate in Smart India Hackathon 2022:

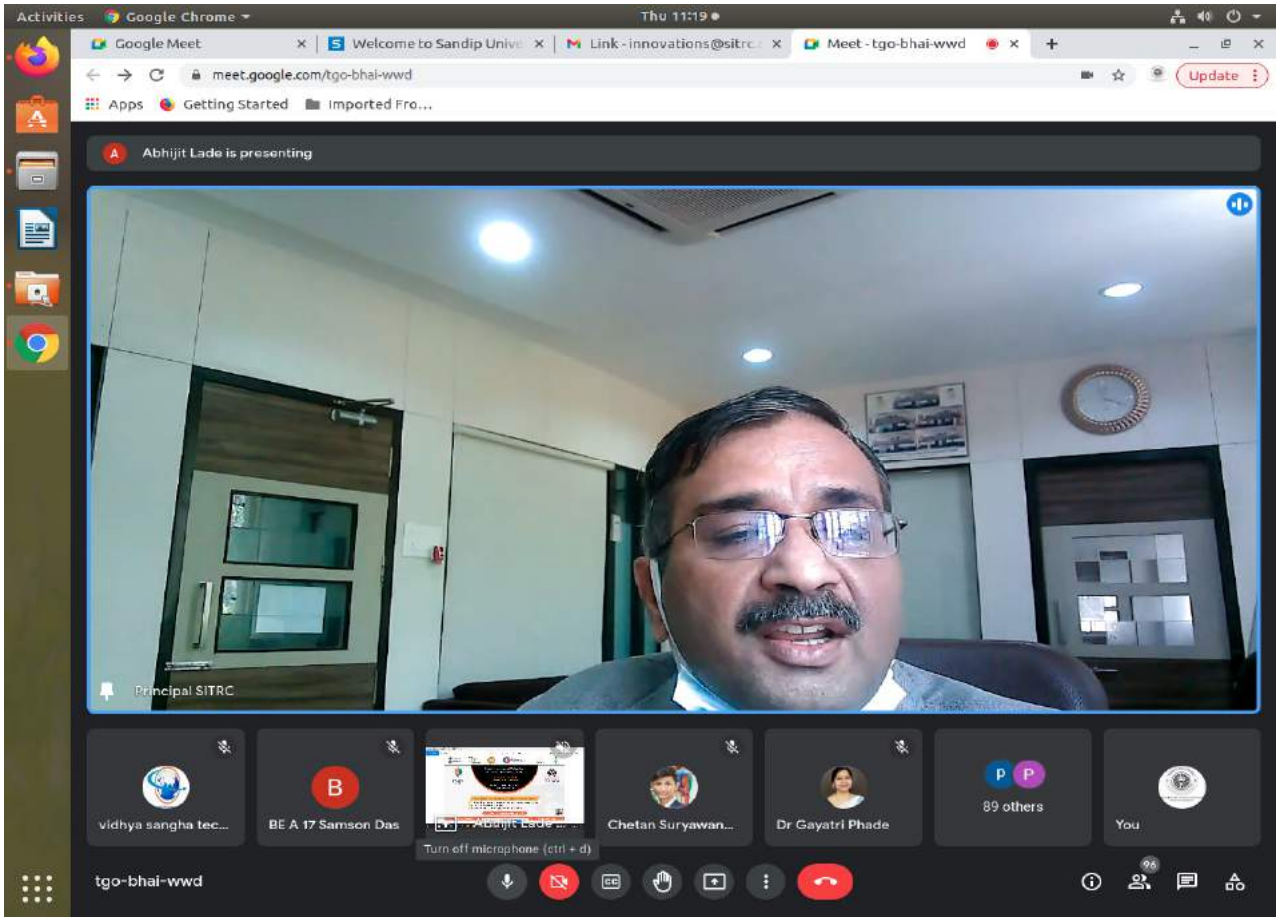
- Form team of 6 members. At least one girl member is compulsory
- Go through the problem statements available on www.sih.gov.in Select some problem statements for which team can provide solution
- Find mentor who can review your all solutions and can help you to select one problem statement which you can finalize to participate in Internal Hackathon
- Understand selected problem statement and draft the solution for finalized problem statement as per format with the help of your mentor
- Start Implementation of your solution for selected statement
- Participate in Internal Hackathon for SIH 2022
- If got selected then Participate in Grand finale of Smart India Hackathon 2022. As per schedule and venue which will be published on www.sih.gov.in website

Themes of SIH 2022

SMART AUTOMATION Ideas focused on the intelligent use of resources for transforming and advancements of technology with combining the artificial intelligence to explore more various sources and get valuable insights.
FITNESS & SPORTS Ideas that can boost fitness activities and assist in keeping fit.
HERITAGE & CULTURE Ideas that showcase the rich cultural heritage and traditions of India.
MEDTECH/BIOTECH/ HEALTHTECH Cutting-edge technology in these sectors continues to be in demand. Recent shifts in healthcare trends, growing populations also present an array of opportunities for innovation.
AGRICULTURE, FOODTECH & RURAL DEVELOPMENT Developing solutions, keeping in mind the need to enhance the primary sector of India - Agriculture and to manage and process our agriculture produce.
SMART VEHICLES Creating intelligent devices to improve commutation sector.
TRANSPORTATION & LOGISTICS Submit your ideas to address the growing pressures on the city's resources, transport networks, and logistic infrastructure.

ROBOTICS AND DRONES There is a need to design drones and robots that can solve some of the pressing challenges of India such as handling medical emergencies, search and rescue operations, etc.
CLEAN & GREEN TECHNOLOGY Solutions could be in the form of waste segregation, disposal, and improve sanitization system.
TOURISM A solution/idea that can boost the current situation of the tourism industries including hotels, travel and others.
RENEWABLE/ SUSTAINABLE ENERGY Innovative ideas that help manage and generate renewable /sustainable sources more efficiently.
BLOCKCHAIN & CYBERSECURITY Provide ideas in a decentralized and distributed ledger technology used to store digital information that powers cryptocurrencies and NFTs and can radically change multiple sectors.
SMART EDUCATION Smart education,a concept that describes learning in digital age. It enables learners to learn more effectively, efficiently, flexibly and comfortably.
DISASTER MANAGEMENT Disaster management includes ideas related to risk mitigation, Planning and management before, after or during a disaster.
TOYS Challenge your creative mind to conceptualize and develop unique toys and games based on our civilization, history, and culture etc.
MISCELLANEOUS Technology ideas in tertiary sectors like Hospitality, Financial Services, Entertainment and Retail.

2. **Photos of the event organized**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Update
Apps
Getting Started
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Abhijit Lade is presenting
Principal SITRC
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BE A 17 Samson Das
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Chetan Suryawan...
Dr Gayatri Phade
89 others
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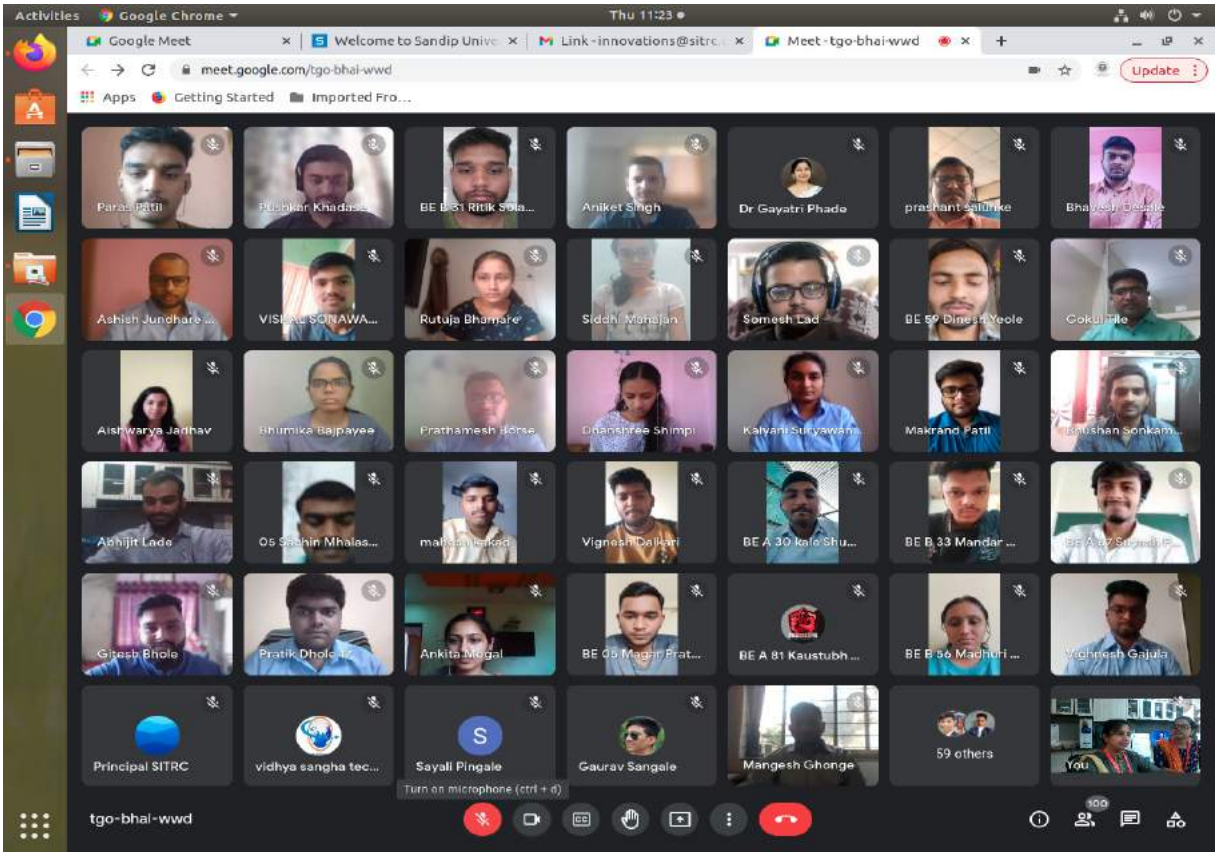
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Paras Patil
Pushkar Khadas...
BE B 31 Ritik Sola...
Aniket Singh
Dr Gayatri Phade
prashant salunke
Bhavesh Desale
Ashish Jundhare ...
VISHAL SONAWA...
Rutuja Bhamare
Siddhi Mahajan
Somesh Lad
BE 59 Dinesh Yeole
Gokul Tile
Aishwarya Jadhav
Bhumika Bajpayee
Prathamesh Borse
Dhanshree Shimpi
Kalyani Suryawan...
Makrand Patil
Rhushan Sonkam...
Abhijit Lade
05 Sachin Mhalas...
Vignesh Dalkari
BE A 30 kale Shu...
BE B 33 Mandar ...
Gitesh Bhole
Pratik Dhole
Ankita Mogal
BE 05 Magar Prat...
BE A 81 Kaustubh ...
BE B 56 Madhuri ...
Vighnesh Gajula
Principal SITRC
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Gaurav Sangale
Mangesh Ghonge
59 others
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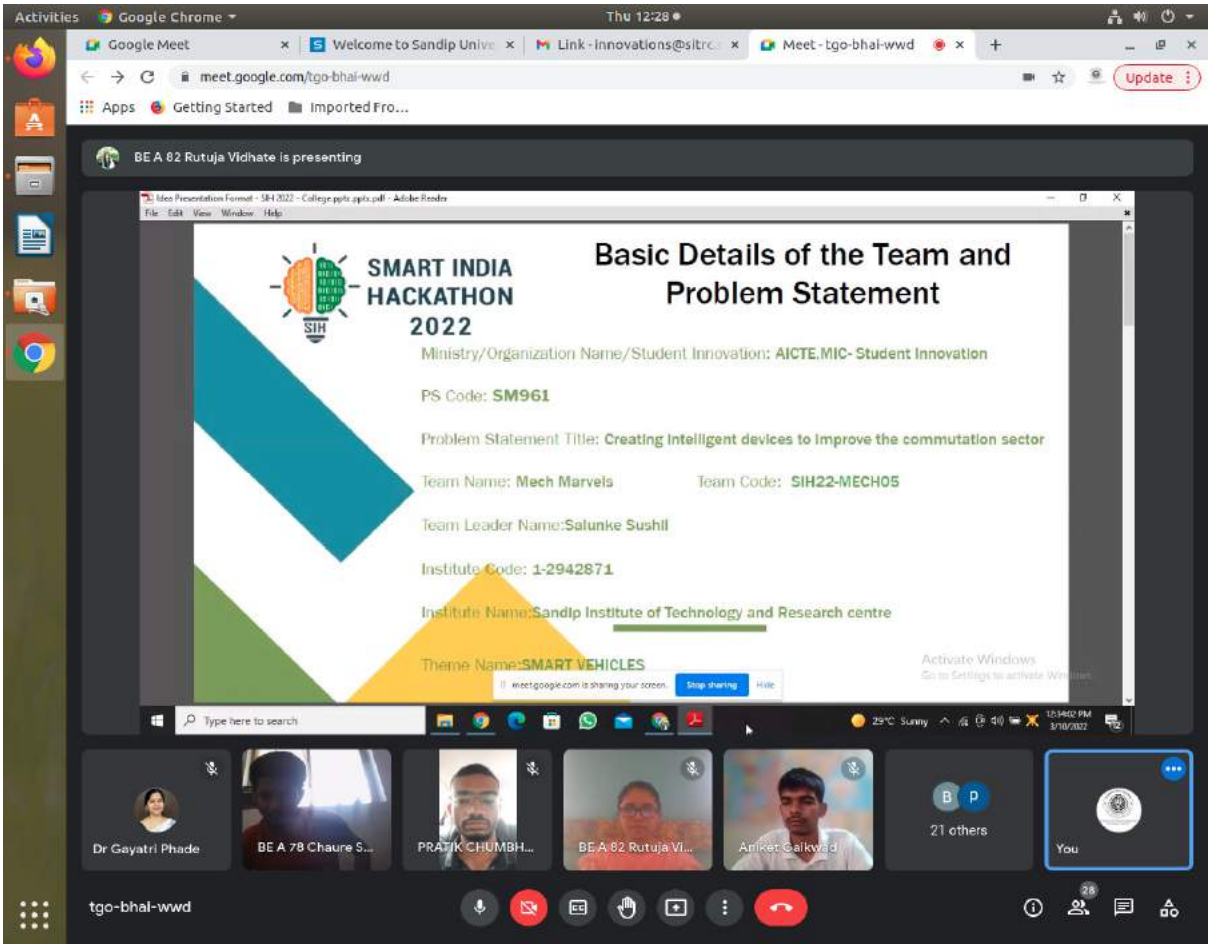
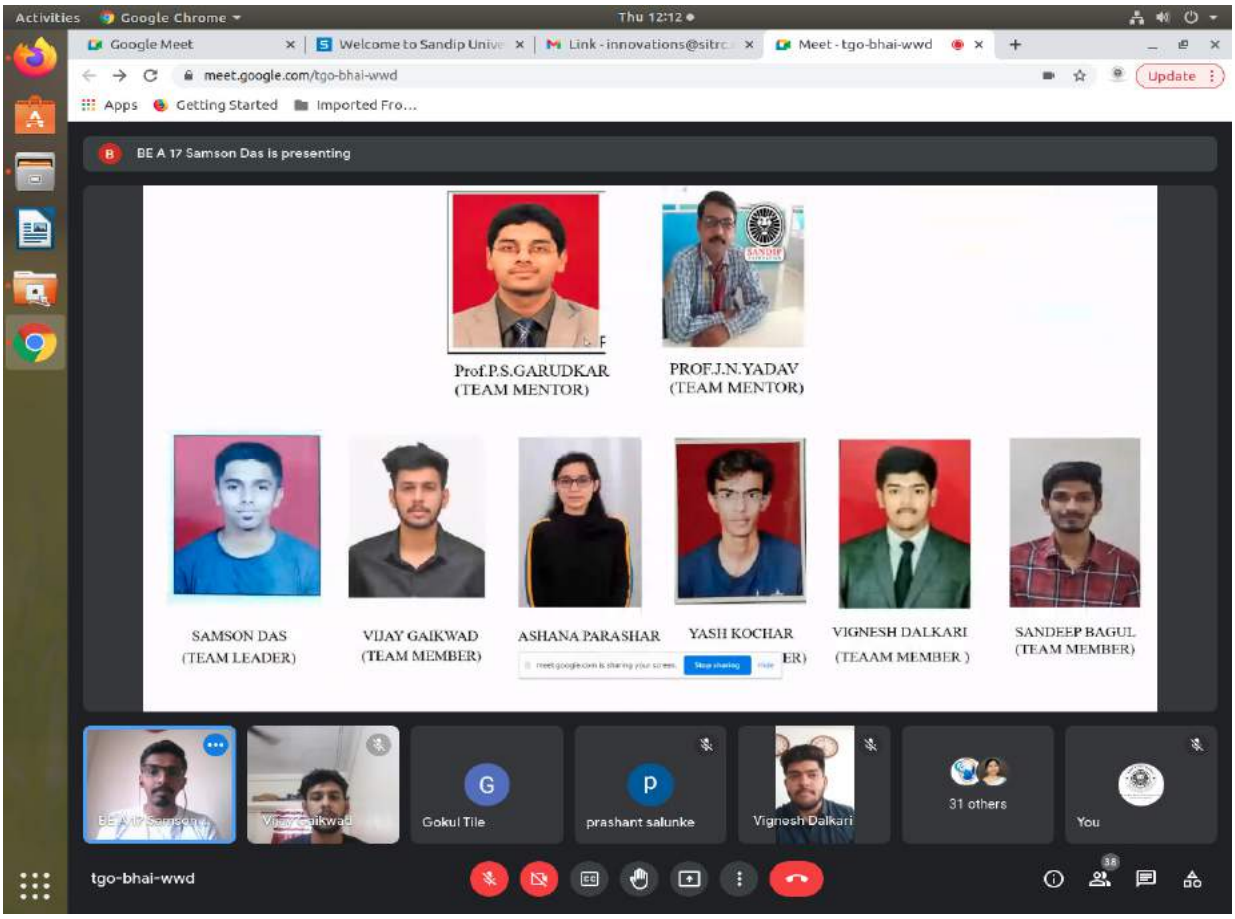
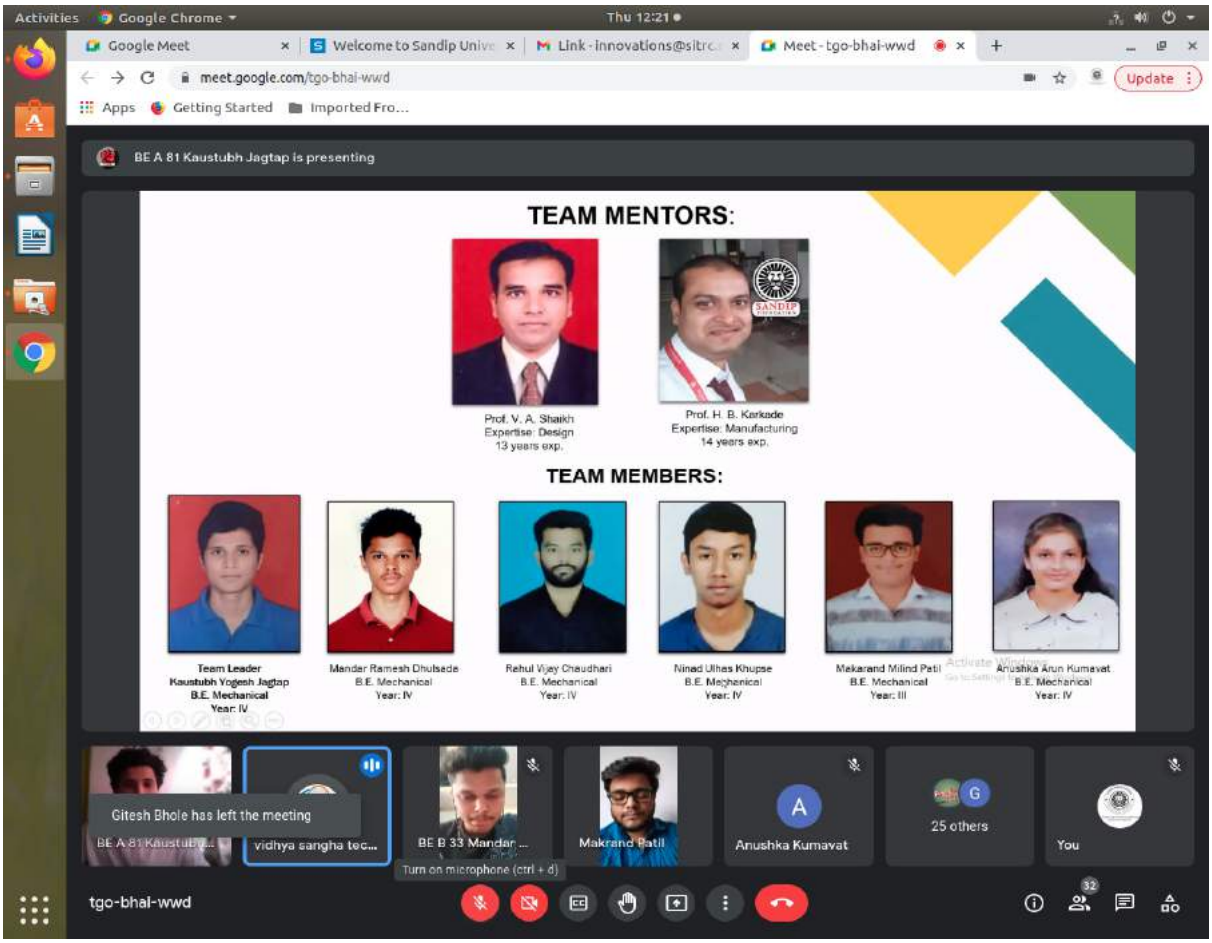




3. **Picture of all participating teams**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BE A 81 Kaustubh Jagtap is presenting
TEAM MENTORS:
Prof. V. A. Shaikh
Expertise: Design
13 years exp.
Prof. H. B. Karkade
Expertise: Manufacturing
14 years exp.
TEAM MEMBERS:
Team Leader
Kaustubh Yogesh Jagtap
B.E. Mechanical
Year: IV
Mandar Ramesh Dhulsede
B.E. Mechanical
Year: IV
Rehul Vijay Chaudhari
B.E. Mechanical
Year: IV
Ninad Ulhas Khupse
B.E. Mechanical
Year: IV
Mekarand Milind Patil
B.E. Mechanical
Year: III
Anushka Arun Kumavat
B.E. Mechanical
Year: IV
Gitesh Bhole has left the meeting
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BE B 33 Mandar ...
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Makrand Patil
Anushka Kumavat
25 others
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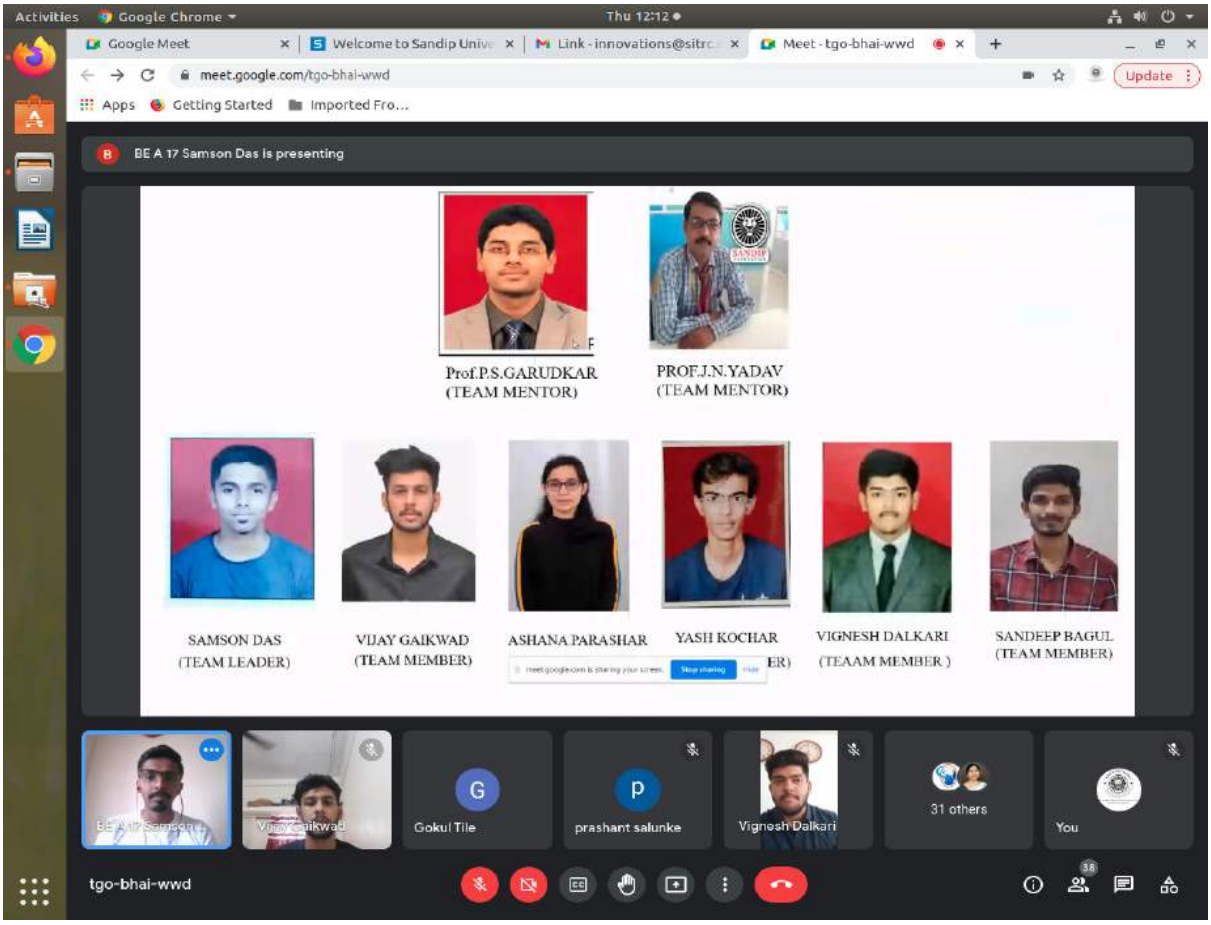
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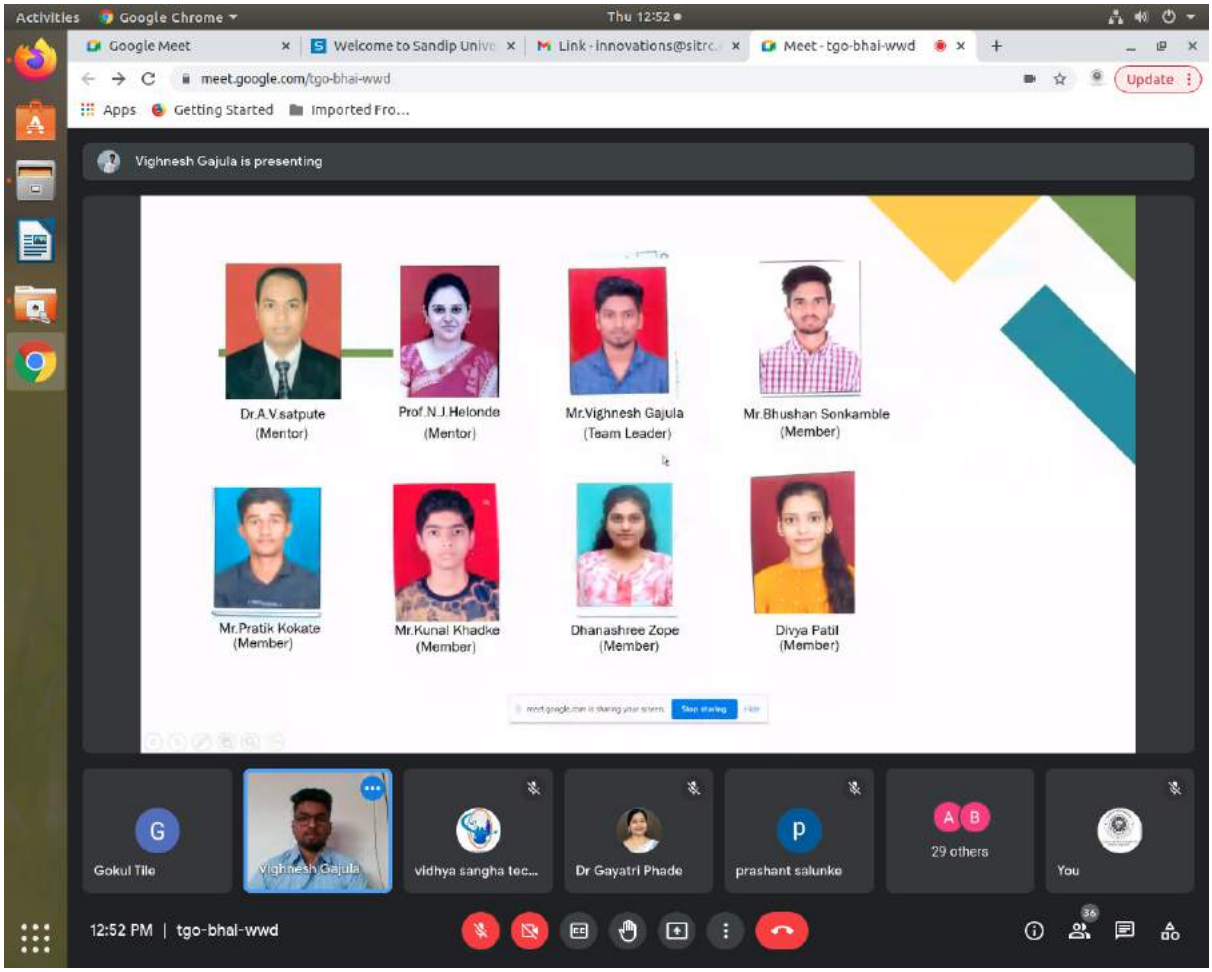
BE A 17 Samson Das is presenting
Prof.P.S.GARUDKAR
(TEAM MENTOR)
PROF.J.N.YADAV
(TEAM MENTOR)
SAMSON DAS
(TEAM LEADER)
VIJAY GAIKWAD
(TEAM MEMBER)
ASHANA PARASHAR
YASH KOCHAR
VIGNESH DALKARI
(TEAAM MEMBER)
SANDEEP BAGUL
(TEAM MEMBER)
Gokul Tile
prashant salunke
Vignesh Dalkari
31 others
You
tgo-bhai-wwd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Vighnesh Gajula is presenting
Dr.A.V.satpute
(Mentor)
Prof.N.J.Helonde
(Mentor)
Mr.Vighnesh Gajula
(Team Leader)
Mr.Bhushan Sonkamble
(Member)
Mr.Pratik Kokate
(Member)
Mr.Kunal Khadke
(Member)
Dhanashree Zope
(Member)
Divya Patil
(Member)
Gokul Tile
Vighnesh Gajula
vidhya sangha tec...
Dr Gayatri Phade
prashant salunke
29 others
You
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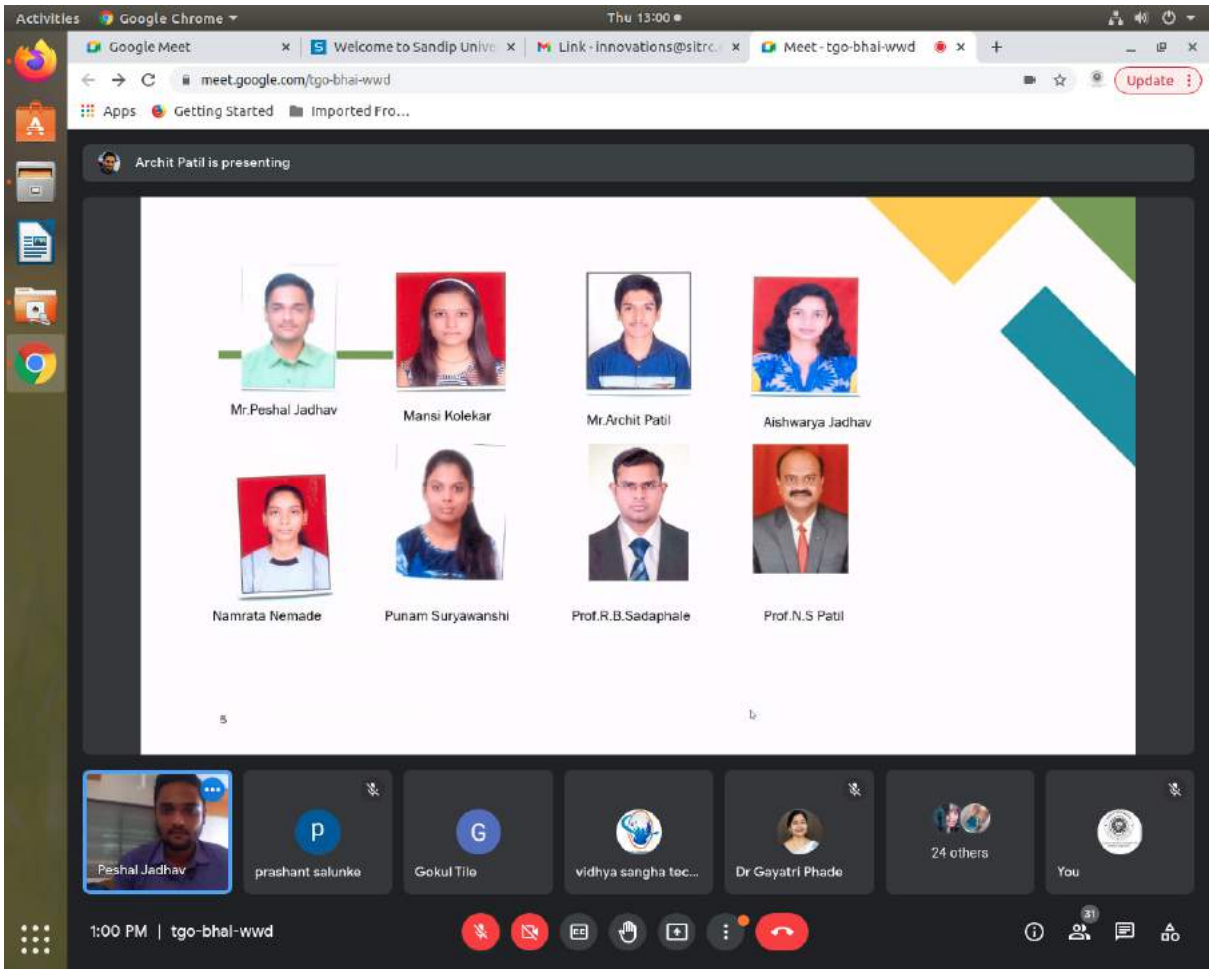
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Archit Patil is presenting
Mr.Peshal Jadhav
Mansi Kolekar
Mr.Archit Patil
Aishwarya Jadhav
Namrata Nemade
Punam Suryawanshi
Prof.R.B.Sadaphale
Prof.N.S Patil
Peshal Jadhav
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Dr Gayatri Phade
24 others
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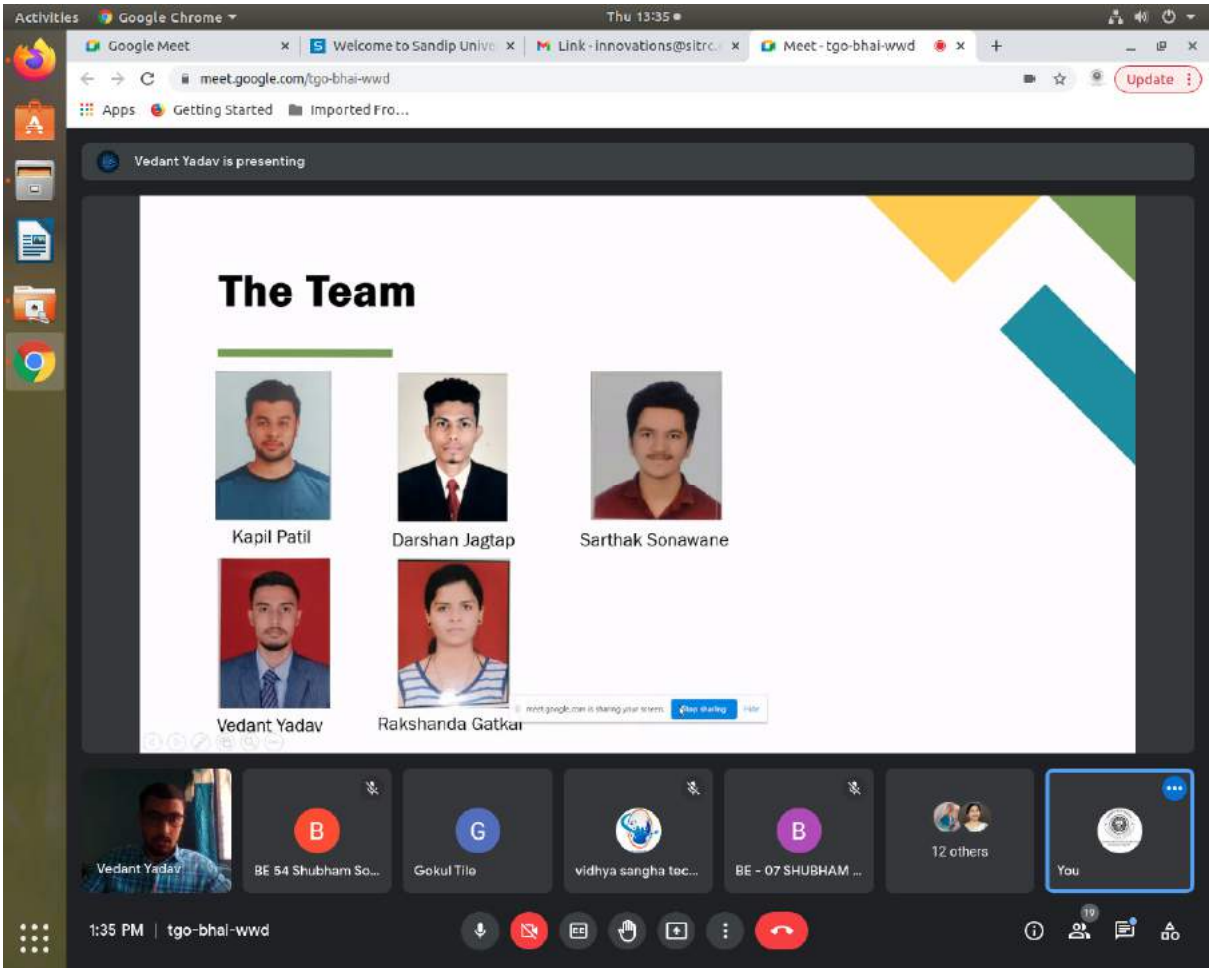


4. Judging process

The Internal Hackathon held at SITRC College saw 37 teams participated on the day. There was a Jury panel consisting of 3 members who were industry experts across fields. They were given the task of evaluating and assessing the ideas and prototypes presented by the participating teams. It was fascinating watching the judges talk to all the teams, spend time understanding their ideas, learning about how their thought process works and sharing their knowledge as well. The event was carried out from morning 10 am to 5 pm.

The judges evaluate the students project groups based on the following parameters:

Criteria for evaluation of student's project		
1	Idea	Novelty of the Idea, how new the idea is
2	Innovation	How innovative and ground-breaking was the idea?
3	Solves a real time problem	Is the idea trying to really solve an existing problem or is everything a visualization?
4	Practicability	Is the idea executable? Can it be carried out?

5	Complexity	How complex is the execution and utilization of the idea during application
6	Social Impact	Effect of proposed innovation onto the well-being of the community
7	Sustainability	Is the idea sustainable - considering the three pillars of sustainability - the economy, society and the environment?
8	Commercial Viability	Ability to compete effectively with its competitors and to make profit/ scalability to the business.
9	Potential of future work	Whether the idea can be worked on further for the improvement and betterment of the end product
10	Teamwork & Collaboration	Was the idea/ project a collective effort by utilizing individual expertise?

5. **Judges' photos and details**

Details of Judges for Internal SIH 2022

Sr. No	Photo	Name of Judge	Designation	Company Details	Contact Details
1		Mr. Annam Thyagaraja Kishore	CEO	Vidhya Sangha Technologies Pvt Ltd, Nashik	A.T.KISHORE@IEEE.ORG +919742310003
2		Mr. Prashant Salunkhe	R&D Head	Sunlight Industries, Nashik	Pgsalunke1@gmail.com +919422705720
3		Mr. Gokul Trimbak Tile	MD	Aaradhya Electronics Pvt Ltd, Nashik	Gokul.tile@aaradhya.electronics.com +919657455169

6. **Total teams and students participated and photos**

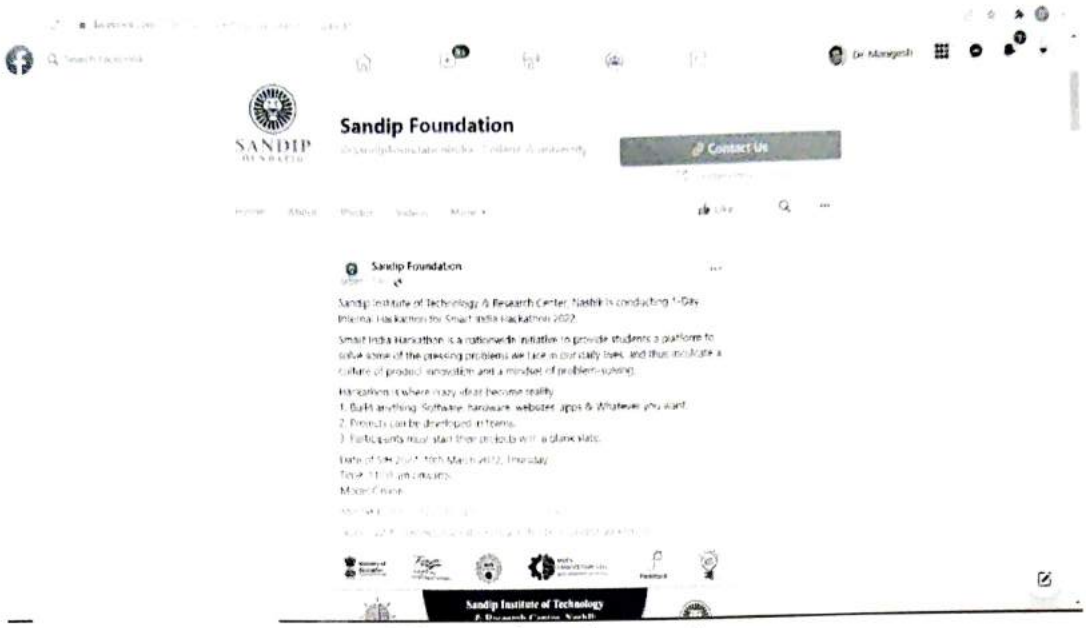
   Total 37 teams participated in the event, which consist of 185 students

7. **Twitter/FB/LinkedIn link for the event organized and promoted on your social media**

   https://www.facebook.com/135970429749016/posts/5440062276006445/

   https://www.instagram.com/p/Ca4tsc0g-vl/?utm_medium=copy_link

11. Use of hashtags such as #sih2022 #smartindiahackathon2022 is must.



FB post about the event

Instagram post about the event

12. Tag official page of innovation cell, ministry of education on twitter

Sandip Institute of Technology & Research Centre
SITRC
Mahiravani, Nashik

Dr. Gayatri Phade.
&POC.
SIH 2022.
email. gayatri.phade@sitrc.org.

Head
Department of Electronics & Telecommunication
Sandip Institute of Technology and Research Centre
Mahiravani, Nashik - 422 213.