TCET STUDENT DEVELOPMENT AND WELFARE ASSOCIATION

Regd. No. : G.B.B.S.D.422/2019

TCET/TSDW/ 14/ of April 2022

Date: 08/04/2022

Hackanova 2021-22 Expenses Details

(Settlement as per Ref. No. TCET/TSDW/ 15 / of February 2022 Hackanova Proposal)

S.No.	Particular	Budget Approved (Rs.) (A)	Expenditure (Rs.) (B)	Difference (Rs.) (A-B)	Amount Pending to be paid	Expenditure Break-Up	Name of A/C payee on Cheque/ Bank Transfer Details	Status	Remark
1	Winning Amount (1st, 2nd, 3rd & Mini Prizes)	70000	70000	0	70000	30000 (Winner) + 20000 (1st Runner Up) + 10000 (2nd Runner Up) + 25000 * 4 (Mini Prizes)	1. Account Holder Name: MR PATIL NINAD PRADEEP Account No.: 029209100000298 SB100/298 Bank Name: Saraswat Co-operative Bank Ltd. IFSC Code: SRCB0000029 2. Account Holder Name: HARIHAR C ATTAL Account No.: 50100181217279 Bank Name: HDFC BANK IFSC Code: HDFC0000060 3. Account Holder Name: YASH ANIL JOSHI Account No.: 50100467182695 Bank Name: HDFC BANK IFSC Code: HDFC0000662 4. Account Holder Name: VANDITA BAHETI Account No.: 6772017000874 Bank Name: ICICI BANK IFSC Code: ICIC0006772 5. Account Holder Name: KRISHNA MUKESH KAPADIA Account No.: 911010034984523 Bank Name: AXIS BANK IFSC Code: UTIB0001532 6. Account Holder Name: ALOK RAJANIKANT MISHRA Account No.: 2345372590 Bank Name: KOTAK BANK IFSC Code: KKBK0001420 7. Account Holder Name: Kirthikraj Kamaraj Account No : 0912071020 Bank Name : Kotak mahindra bank IFSC Code : KKBK0001397	Not Paid	
2	Judges	30000	14000	16000	14000	7000 + 7000 (2 external judges)	1. Kiran Iyer Account Holder Name: Kiran Ramkumar Iyer Account No.: 50100120594924 Bank Name: HDFC Bank IFSC Code: HDFC0000410 2. Abhishek Kaushik Account Holder Name: Deepika Kaushik Account No.: 50100392230946 Bank Name: HDFC Bank IFSC Code: HDFC0004217	Not Paid	

3	Mentors	30000	0	30000	0	-	-	-	
4	Kits & Subscriptions	20000	0	20000	0	-	-	-	
5	In-house (Inclusive miscellaneous)	20000	12707	7293	12707	2607 (Stationery) + 5840 (Food) 3600 (Website	1. Harshad Bharat Bhai Rajput 2. Sai Baba Caterers 3. Vikas Singh 4. Vikas Singh	1. Not Paid 2. Not Paid 3. Not Paid 4.	3 & 4. Reimbursement
	Total	**170000**	**96707**	**73293**	**96707**	-	-	-	

Note:	Total Amount Approved	**170000**
	Total Expense Amount	**96707**
	Total Saving	**73293**

Prepared By:

Mr. Gaurang Beli
Deputy Technical Secretary

12/4/22
Mr. Prince Pandey
Technical Secretary

Mr.Arya Mishra
General Secretary

Checked By:

12/4/22
Mr.Vikas Singh
TSDW Faculty In-Charge

12/04/2022
Dr. Manish Rana
TSDW Faculty In-Charge

Reviewed/Recommended By:

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Dean SSW

Dr.Deven Shah
Vice Principal

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Regd. No. : G.B.B.S.D.422/2019

TCET/TSDW/14/of April 2022 Date: 8th April 2022

Hackanova 2022 Report

Event: Hackanova 2022

Duration: 25th March - 1st April 2022

Participants:

Sr. No.	Name of College	Number of Participants
1.	Thakur College Of Engineering And Technology	58
2.	Institute of GEIT university Gunupur Odisha	4
3.	Bannari Amman Institute Of Technology	20
4.	Shri Vile Parle Kelavani Mandal's Dwarkadas J. Sanghvi College of Engineering	4
5.	DG Ruparel College	2
6.	National Institute of Technology Hamirpur	3
7.	Vidya Jyothi Institute Of Technology	1
8.	Amrita School Of Engineering	1
9.	Amal Jyothi Institute Of Technology	1
10.	Fr Conceicao Rodrigues College Of Engineering	1
11.	IES IPS Academy Indore	1
12.	Jadavpur University	4
13.	KLS Gogte Institute Of Technology	1
14.	Vellore Institute Of Technology	1
15.	Universal College Of Engineering	1
16.	University Of Nebraska- Lincoln	1
17.	SRM Institute Of Science And Technology	2
18.	Nagindas Khandwala College	1
	Total	**103**

A - Block, Thakur Educational Campus, Shyamnarayan Thakur Marg, Thakur Village, Kandivali (East), Mumbai - 400 101.
Tel: 022-6730 8000 / 8106 / 8107 Telefax: 022-2846 1890

Venue: Zoom Platform

Conduct:

Sr. No.	Event	Dates
1.	Registration Closes	23rd March, 2022
2.	Shortlisting Abstracts	24th March, 2022
3.	Inauguration Ceremony	25th March, 2022
4.	Round 1 Day 1	25th April, 2022
5.	Round 1 Day 2	26th April, 2022
6.	Prototype Development Starts	29th March, 2022 - 12 pm
7.	Team Progress Meeting 1	29th March, 2022
8.	Mentor Sessions	30th March, 2022
9.	Team Progress Meeting 2	31st March, 2022
10.	Prototype Development Ends	1st April, 2022 - 12pm
11.	Round 2	1st April, 2022
12.	Result Declaration	4th April,2022

Description:

Hackanova is a nationwide initiative that provides a platform to produce ideas that would increase students' interest in the technical field. It was a technical event planned by TSDW scheduled in March 2022. It invited creative ideas that will encourage technical problem solving interest among the students. The goal of the hackathon was to create functioning software or hardware prototypes to help the differently abled by the end of the event.

The theme for the Hackathon was proposed to be Technology for Differently Abled. This encouraged participants to think of innovative solutions to help the disabled. It consisted of 2 rounds and was conducted in online mode. It was an inter-college technical event that intended to put ambitious engineers from diverse fields of engineering and sciences to test in designing tools and technology that may help people with disabilities and contribute to a better and brighter future for them.

The event consisted of two challenging rounds namely, **Idea Presentation Round** & **Functional Prototype Development**. Prior to the Idea Presentation Round, 20 teams were shortlisted on the basis of uploaded abstracts.

1. Idea Presentation (Round 1) - In the first round, participants presented their proposed ideas in more detail and faced live questions from the judges in order to assess the alignment with problem statement, presentation skills, social impact, innovation of the proposed idea & the capabilities of the individuals who were working on them.

2. Functional Prototype Development (Round 2) - The final round was conducted online for participants. Shortlisted participants from the first round had to build a functional prototype of their proposed idea in 72 hours and present it in front of the judges. Teams also had to submit their prototype in the form of github link or video demo.

Roles and Responsibilities:

Staff Involved:

1) Dr. Lochan Jolly (E&TC)
2) Dr. Manish Rana (COMP)
3) Mr. Vikas Singh (COMP)

Sr. No.	Student Coordinators	Event
1	Arya Mishra Prince Pandey Gaurang Beli Vikas Singh Mukta Hole Nitesh Patil Rishabh Chopda Alisha Gupta Tanisha Singh Harneet Kaur Dehiya Amitabh Dixit Namit Singh Hitansh Doshi	Inaugural Ceremony Round 1 Round 2

Sr. No.	Judges	Event
1	Mr. Sudhir Dhekane Dr. Vidyadhari R. Singh Dr. Kalawati Patil	Round 1 Day 1
2	Dr. Vidyadhari R. Singh Dr. Kalawati Patil	Round 1 Day 2
3	Mr. Kiran Iyer Mr. Abhishek Kaushik Dr. Anand Khandare Dr. Archana Belge	Round 2

Glimpses of the Event:

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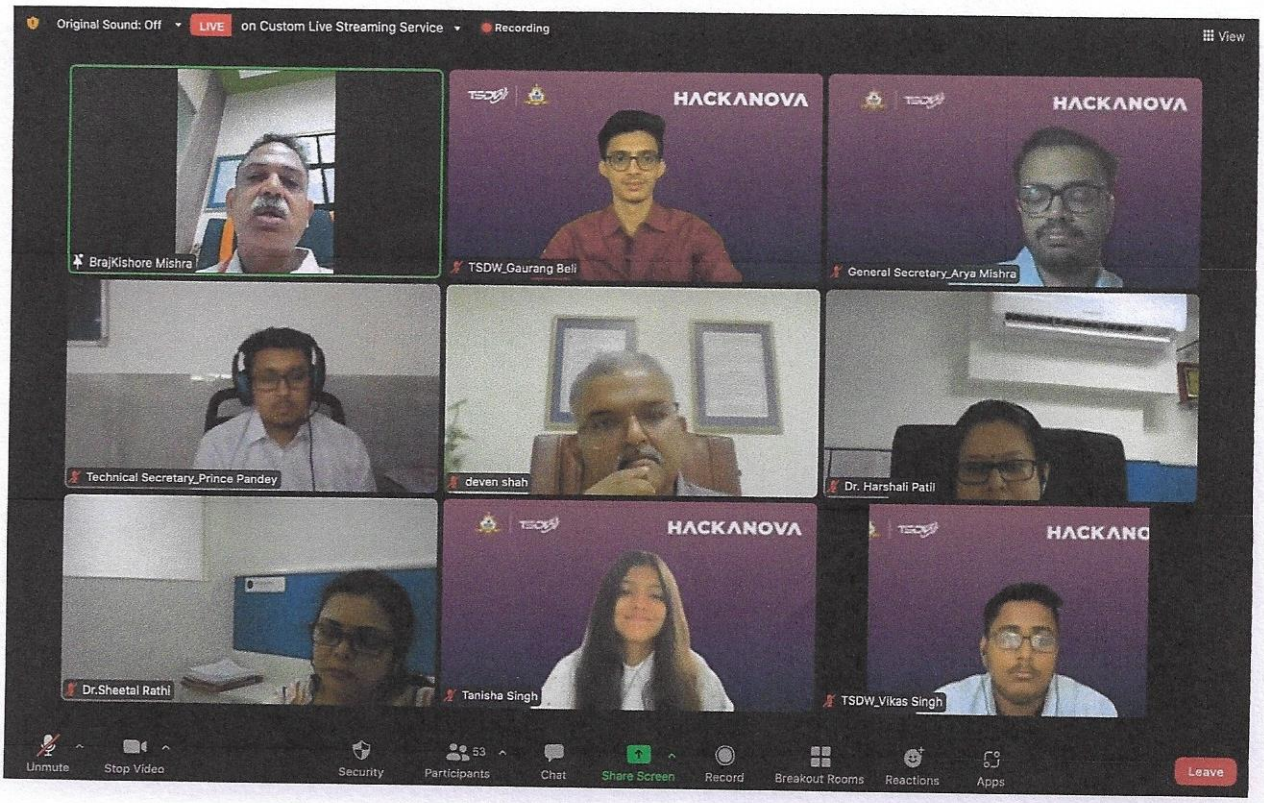

A - Block, Thakur Educational Campus, Shyamnarayan Thakur Marg, Thakur Village, Kandivali (East), Mumbai - 400 101.
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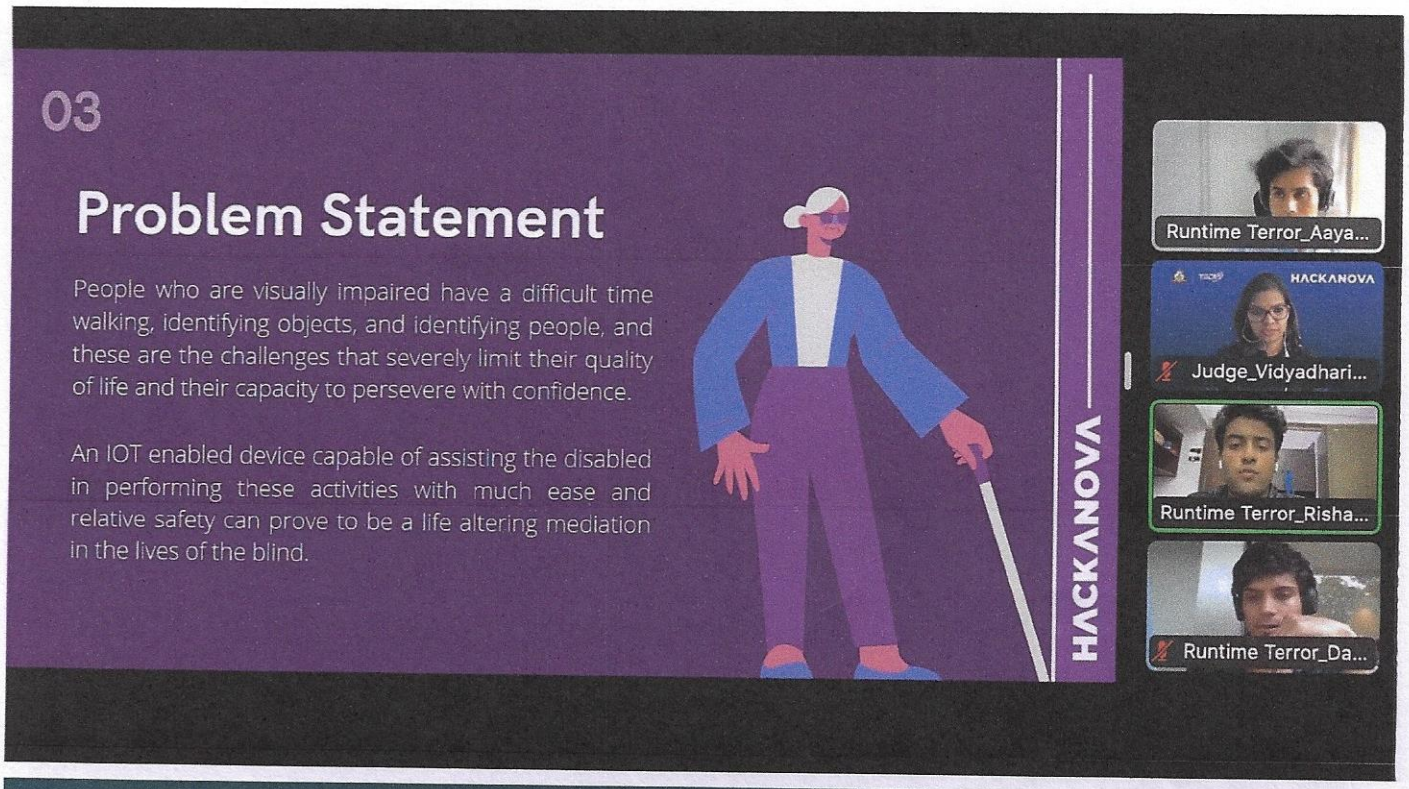
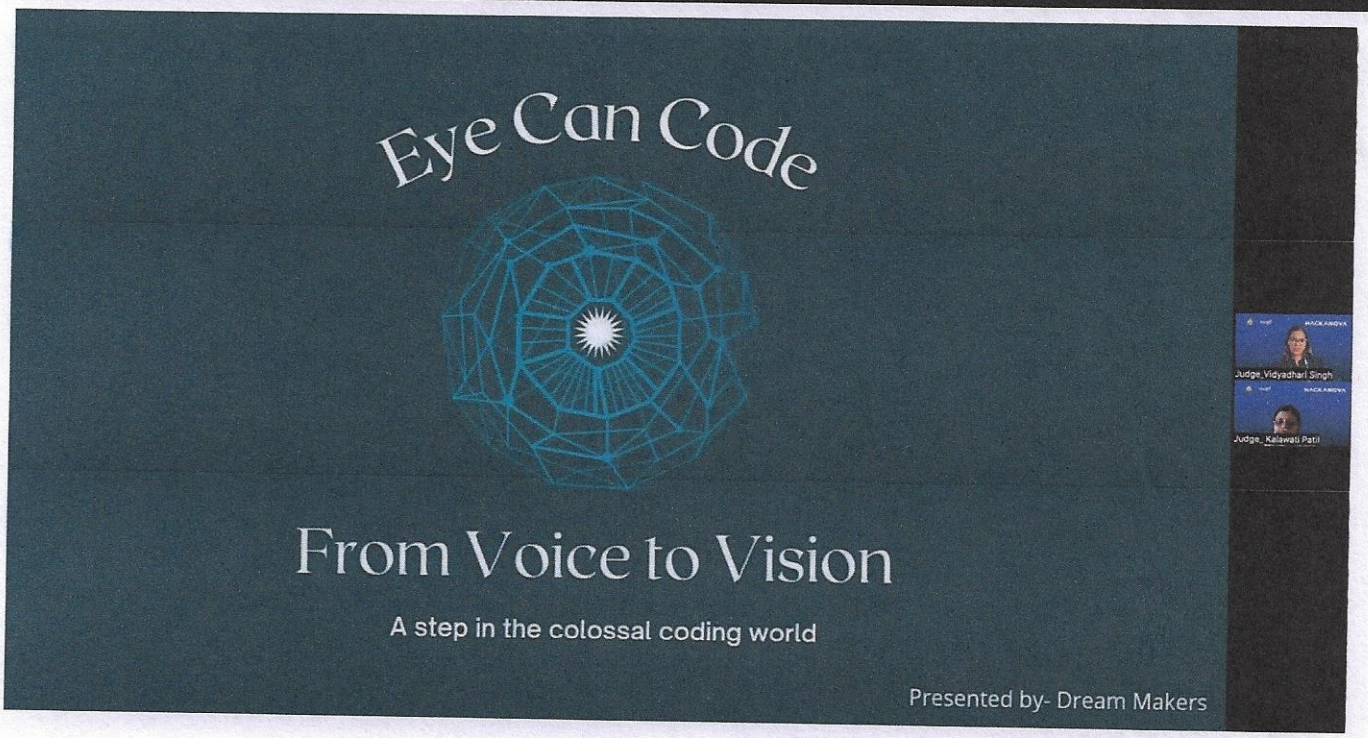
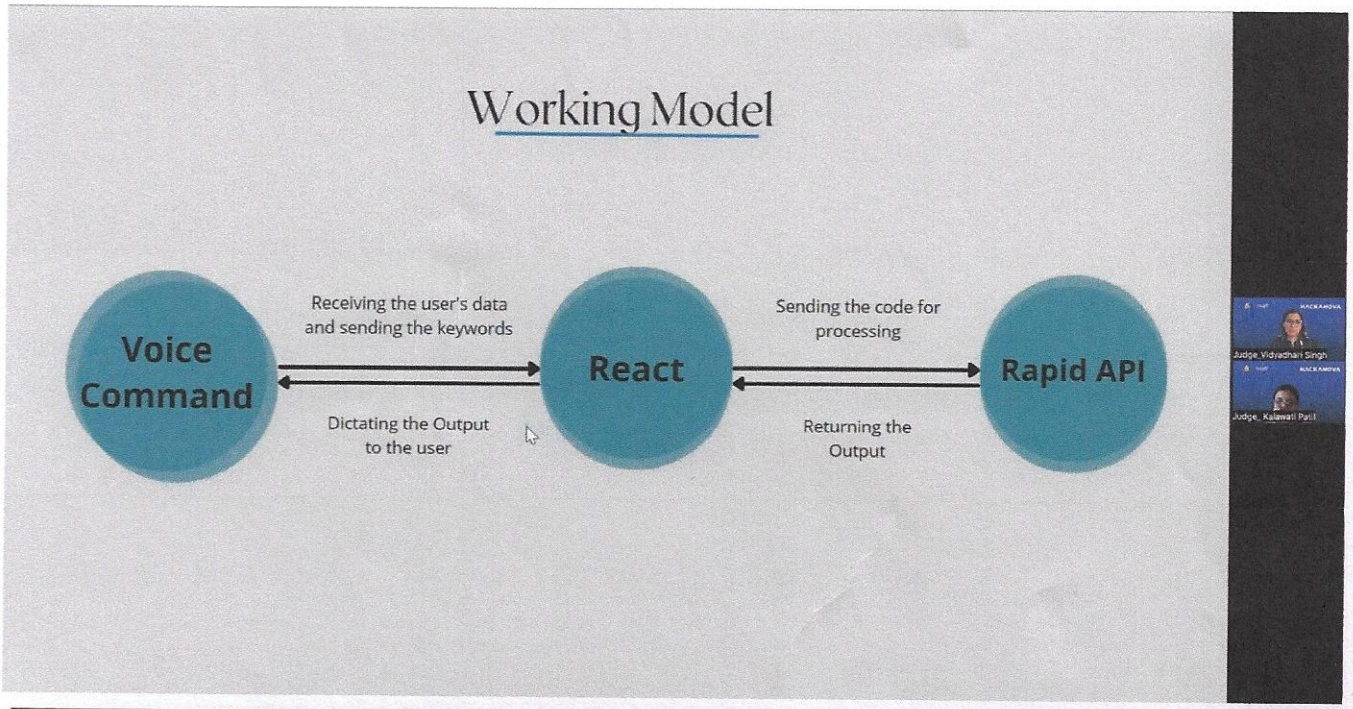
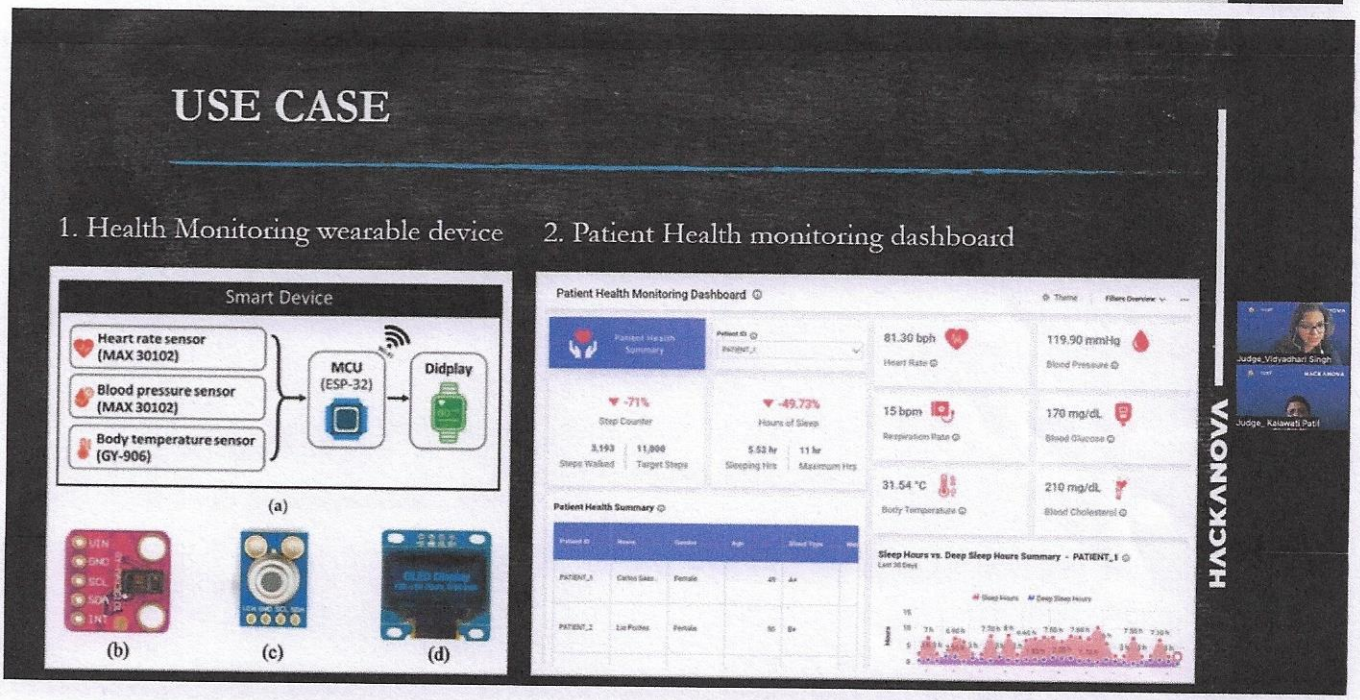
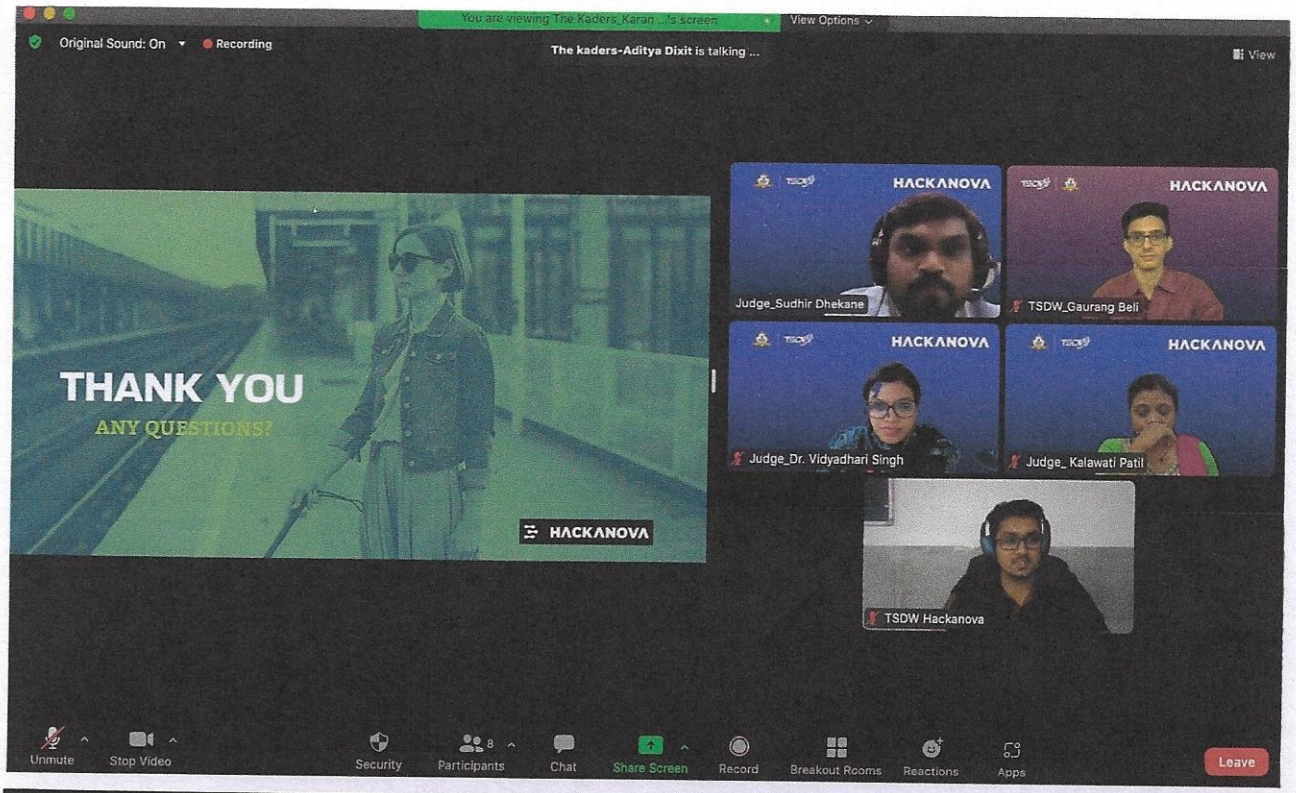
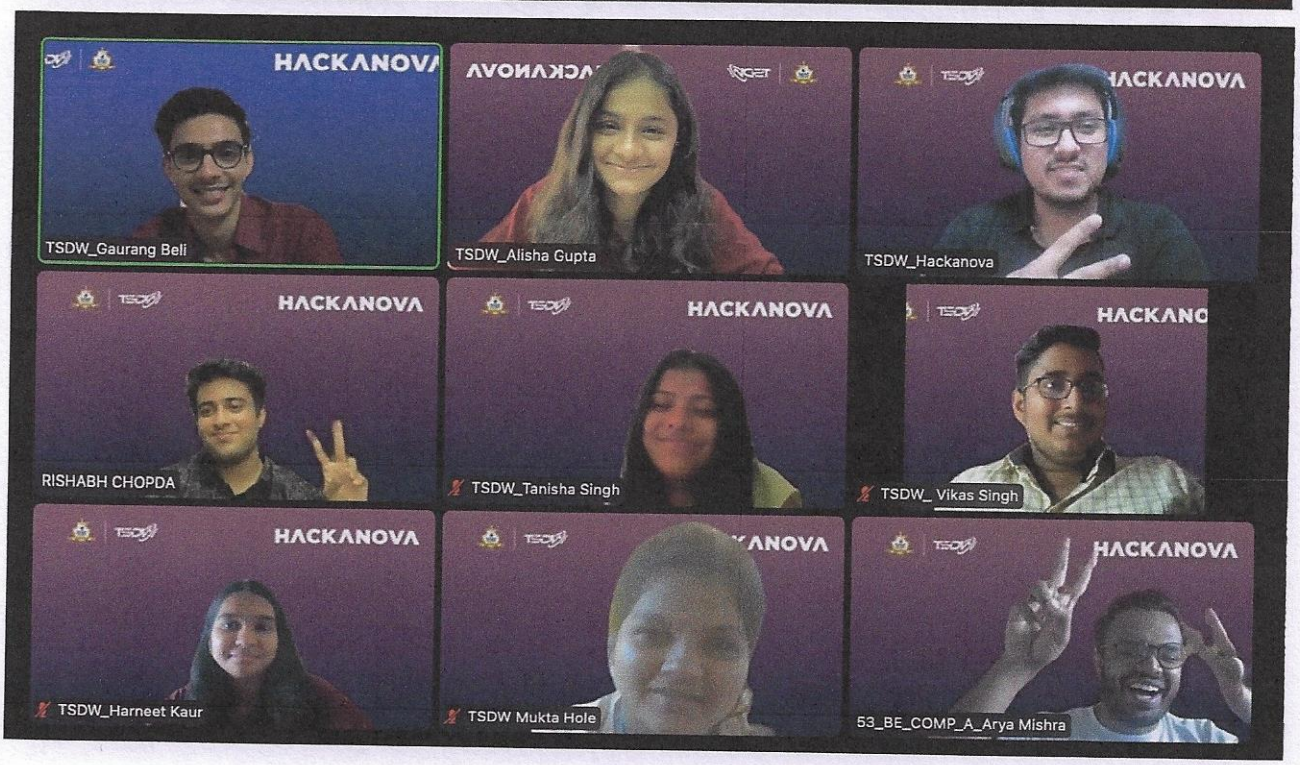

03
Problem Statement
People who are visually impaired have a difficult time walking, identifying objects, and identifying people, and these are the challenges that severely limit their quality of life and their capacity to persevere with confidence.
An IOT enabled device capable of assisting the disabled in performing these activities with much ease and relative safety can prove to be a life altering mediation in the lives of the blind.
HACKANOVA
Runtime Terror_Aaya...
Judge_Vidyadhari...
Runtime Terror_Risha...
Runtime Terror_Da...


Eye Can Code
From Voice to Vision
A step in the colossal coding world
Presented by- Dream Makers
Judge_Vidyadhari Singh
Judge_ Kalawati Patil


Working Model
Voice Command
Receiving the user's data and sending the keywords
Dictating the Output to the user
React
Sending the code for processing
Returning the Output
Rapid API


USE CASE
1. Health Monitoring wearable device
2. Patient Health monitoring dashboard
Smart Device
Heart rate sensor (MAX 30102)
Blood pressure sensor (MAX 30102)
Body temperature sensor (GY-906)
MCU (ESP-32)
Didplay
(a)
(b)
(c)
(d)
Patient Health Monitoring Dashboard
81.30 bph
119.90 mmHg
15 bpm
170 mg/dL
31.54 °C
210 mg/dL
Patient Health Summary
HACKANOVA


You are viewing The Kaders_Karan ...'s screen
View Options
Original Sound: On
Recording
The kaders-Aditya Dixit is talking ...
View
THANK YOU
ANY QUESTIONS?
HACKANOVA
Judge_Sudhir Dhekane
TSDW_Gaurang Beli
Judge_Dr. Vidyadhari Singh
Judge_ Kalawati Patil
TSDW Hackanova
Unmute
Stop Video
Security
Participants
Chat
Share Screen
Record
Breakout Rooms
Reactions
Apps
Leave


TSDW_Gaurang Beli
TSDW_Alisha Gupta
TSDW_Hackanova
RISHABH CHOPDA
TSDW_Tanisha Singh
TSDW_ Vikas Singh
TSDW_Harneet Kaur
TSDW Mukta Hole
53_BE_COMP_A_Arya Mishra

Hours Allotment for Participants/Organizers:

(To evaluate AICTE hours)

Sr. No.	Up to Rounds	Hrs. Involved	
		Organizer	Participants
1.	Abstract Shortlisting	3 Hrs	-
2.	Round 1 Day 1	3 Hrs	1/2 Hr
3.	Round 1 Day 2	4 Hrs	1/2 Hr
4.	Team Progress Meeting 1	2 Hr	1/2 Hr
5.	Mentor Session	3 Hrs	1/2 Hr
6.	Team Progress Meeting 2	2 Hr	1/2 Hr
7.	Round 2	3 Hrs	1/2 Hr

Winners:

Rank	Team Name	College Name	Software/ Hardware
First Place	HighFive	Thakur College of Engineering and Technology	Software
First Runner up	DPVH	Thakur College of Engineering and Technology	Hardware
Second Runner Up	Enemies of Syntax	D.J. Sanghvi	Software

Mini prizes	Team Name	College Name	Amount
Best presentation award	RunTime Terror	Thakur College of Engineering and Technology	₹2,500/-
Promising potential award	Dream Makers	NIT Hamirpur	₹2,500/-
Most innovative solution award	HearMe	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	₹2,500/-
Best QnA performance award	RunTime Terror	Thakur College of Engineering and Technology	₹2,500/-

Event Rubrics for Judges: Round 1

Category	Description
Alignment with Hackathon theme and problem statement	How well does the product or solution line up with the Hackathon theme and problem statement
Innovation of Solution	Scale and novelty of the technology being used, and/or the problem-solving approach taken.
Quality of Presentation	Ability for the judges to clearly understand what the desired functionality is.
Question and ans performance	a) Demonstrate the technical aptitude required to build the solution, b) Show knowledge of problem statement, c) Execution knowledge, d) Oral performance e) solution is well understood
Social Impact grading	To what extent does the team's proposed solution appear to solve the problem?

Round 2 -

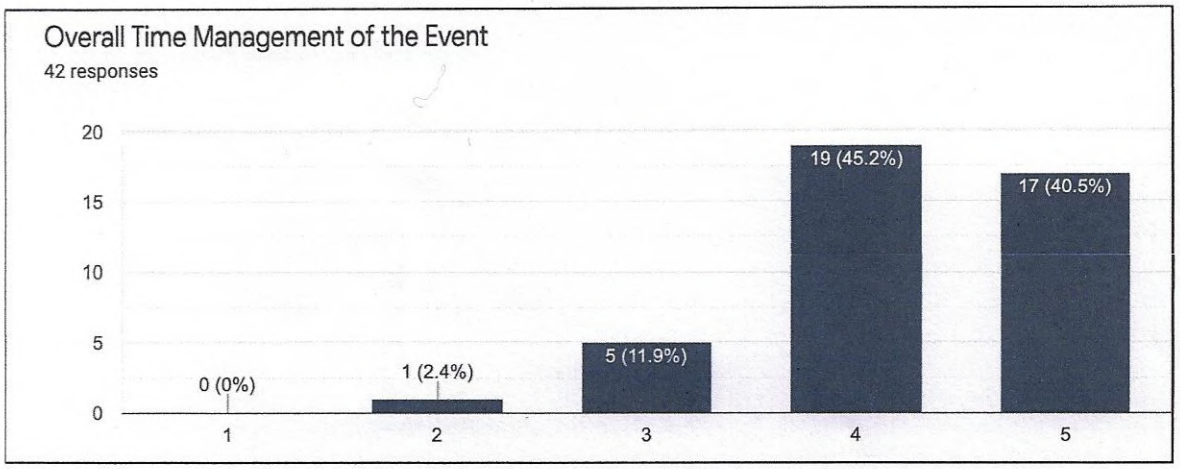
Category	Description
Technical implementation	How effective is the technical approach and implementation of the product or solution on the Software / hardware? Is the underlying technology robust enough to solve the problem?
Functionality	How well does the product/solution work in terms of its claimed functionality? Does the project function as intended? Are there any gaps in implementation?
User experience	How good will the experience of the intended user be when using your solution?
Question and ans performance	a) Demonstrate the technical aptitude required to build the solution, b) Show knowledge of problem statement, c) Execution knowledge, d) Oral performance e) solution is well understood
Bonus	Amount of Mentor suggestions included

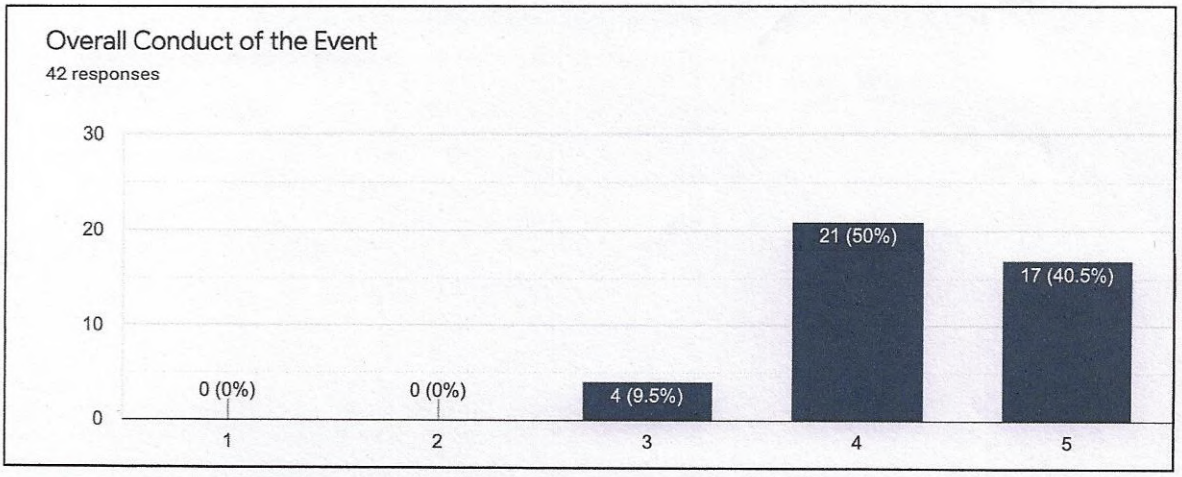
Round 2 Scores and Comments:

Team Leader Name	Round 2 Cumulative total					
Apeksha Kamath	47					
Harihar Attal	54					
Aayan Khan	49					
Shivam Gupta	49			winner		
Lovekesh Bansal	48			runner up		
Ninad Patil	60			2nd runner up		
Vimalraj S	0					
Yash Anil Joshi	53					
Dharaneesh S K	49					
Tharun K T	45					

KIRAN SIR		ABHISHEK SIR comments
Apeksha Kamath		Product is great, but still fails to meet the usability and full utility : Text to ISL
Harihar Attal	In my opinion, the solution needs to be more focussed on a particular area.	Efforts and research are really good. Hope to see a finish product. Great efforts.: Robotic Arm
Aayan Khan	Archana: No hardware presented.	Tech confusions nodeMCU vs RaspBerry. No working demo, presentations was good but lacked objectivity, but still, keep researching, you may come up with a really useful product. This judgement is just limited to current presentation, not for your future, which I am sure is super bright. : wearable Tech
Shivam Gupta	Implemented solution is lacking in multiple areas of techinical implementation.	Super Innovative idea of downloading and concatenating the video and displaying the result. Can be really useful : Text to ISL
Lovekesh Bansal		Great Product, though more research needs to be done on real utilization: Eye can programm
Ninad Patil	Excellent implementation	End product is a sufficiently finished product: video conference with accessibility.
Vimalraj S	absent	
Yash Anil Joshi		App wasnt implemented like an end product but a bag of products. In such a case a different product for a different target audience could have been helpful.
Dharaneesh S K		Product is far from implementation. Idea is great and could be really helpful too.
Tharun K T		Product was far from finished. No live demo, no working video. Idea can be interesting though.

Feedback:





90% of participants rated the event either 4 or 5 for overall conduct of the event

Your favorite moment of Hackanova 2022

42 responses

Discussion with team members

All are good

Questions and answers, we got to learn many different things

The final presentation part of the event

Presentation

The entire duration of Hackanova was exciting where we were able to closely work with our teams, discuss ideas, work on implementation and even received suggestions from our mentors on how we could further improve our project.

Presenting our project in the final round

Got a chance to explore beyond my imagination

Your favorite moment of Hackanova 2022

42 responses

Presentation time

The convenience of the event

Knowledge ful

Announcement of Winners after Round-2

Seeing team name at top in results :)

Not selected for second round 🙃

The moment when me and my team were ready with our idea presentation in front of the judges!

Just the day before our round 2 when me and my teammates pulled together an all nighter to put together our implementation.

Q/A

Anything that we can do to improve the event

23 responses

Delegate someone from the organising team to monitor the teams' github repos for consistent commits in the hackathon duration. This prevents teams from gaining an unfair advantage by bringing in prebuilt project's that they have building since 3-4 months.

NO

Nil

Nil

Having proper mentors; better feedback loop and if operationally possible, a little more time for presentations

-

Noo

Being first hackathon it was great but there are many things to be improved. As I have participated in many other hackathons I can say 24 hour hackathon is much more better with no boundaries of theme.

SWOT Analysis:

Strength	Weakness	Opportunity	Threats
Event was online, hence students from all over India could easily participate. Participation from 16 other colleges was seen	Multiple reschedules due to changing pandemic scenario affected PR and Sponsorship of the event	With better promotion, more participation can be easily expected	Event was repeatedly postponed due to uncertainty of the pandemic
Prototype development as round 2 along with attractive cash prizes were good incentives. Received 1 international submission from the US.	Event could not be conducted in offline mode due to potential uncertainty and spread of COVID-19.	Events can be conducted in offline mode in the future. This will lead to ideal event quality for participants and sponsorship	Difficult to retain audience attention as there were simultaneous events being held.
TSDW's first Technical Event Hackanova was held online over the course of seven days, with two rounds running smoothly giving college a National technical event with good foundations	Un-successful collaboration with NGOs lead to mentor sessions of the teams that lower than our expectations.	Theme of the event can be shuffled between social impact, technology, code-a-thon or theme-less style	Submission of projects which were developed outside hackathon development time (problem faced because of online mode)
Foundational work in the form of - relationships, experience and databases has been achieved	Other internal events during Hackanova preparation led to loss of skilled personnels this semester	Clarity and assurance about event date will allow proactive sponsorship work which is essential for hackathons	
Strong support from internal faculty and being available for judge/mentor responsibility		Lots of potential to scale with Codeshastra as a yardstick	
A social topic for the Hackathon like "Technology for the Differently abled" is a significant step forward developing technology for			
Event being organized by TSDW gives it access to various skilled people which will be essential for an offline version			
Infrastructure for an offline version			

Outcome:

1. Technological solutions for differently abled people were developed which will be used to cater their needs.
2. Participants got to learn about the hurdles faced by differently abled people.
3. Participants got an opportunity to collaborate, diversify and think outside of their usual environment. It was a team building exercise where anyone could participate and hone creative thought processes to solve a problem
4. It was an opportunity for like-minded people to come together and build something interesting for a good cause.
5. Participation from 16 other colleges was seen and 1 international submission
6. 90% of participants rated the event either 4 or 5 for overall conduct of the event
7. Foundational work in the form of - relationships, experience and databases was completed

Conclusion:

The event was successful and achieved its desired purpose with a good response overall. It encouraged students to work together towards the betterment of people with disabilities with the use of technology. Among participants it helped them test their ideas, empathize with differently abled people and hone their presentation skills. For TSDW it gave us experience of hosting a hackathon, foundation for future versions and a national level technical event. This program was organised by TCET TSDW under ebsb student exchange program. Offered to institute Giet University Gunupur Odisha from paired state Odisha as well as institute from all over India including partner colleges.

Prepared By:

Mr. Gaurang Beli
Deputy Technical Secretary

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Checked By:

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Vice Principal

13/3/22