



E-CELL Report 2021-22

Report on
MAKE-A-THON 2.0 (2021)

Organized by
Entrepreneurship Cell (Iditios Room) and
Placement & Incubation Cell

OF
DON BOSCO INSTITUTE OF
TECHNOLOGY

Premier Automobiles Road, Opp. Fiat Company, Kurla(W),
Mumbai- 400 070.



Event Poster:

DON BOSCO INSTITUTE OF TECHNOLOGY
KURLA (WEST), MUMBAI -70

2K21

MAKE-A-THON

· Design it · Build it · Launch it

2.0

Round 1
Selecting problem statement, making presentation and submitting it.

Round 2
Upload a video of their working model

Round 3
Final round, presenting the idea over video conference to a panel of judges

Platform
Online

Dates
June-July 2021

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www.ecell.dbit.in

Make-A-Thon 2.0 (2021)

Make-A-thon is organized by the Placement & Incubation Cell (PIC) of the Department of Mechanical Engineering and Idiots Room (E-Cell, DBIT) for the interdisciplinary students to collaborate for a period of few months to ideate, create & deliver solutions to various challenges & problems. Make-A-thon offers a competitive platform for entrepreneurial students to pursue an idea that they are passionate about.

Make-A-Thon 2021 focuses on enabling students to use their creativity to innovate and explore new ideas that they may have. It is a competition, but it is focused on learning rather than winning. Its purpose is to help students gain experience with the process of design and the use of equipment that they would normally miss out on in the classroom. Make-A-Thon promotes start-up and entrepreneurial spirit and endeavors to motivate students and faculty as well to embark on the entrepreneurial journey. Due to the ongoing pandemic, Make-a-Thon 2021 will be conducted online this year.

Prizes:

1st position (overall): ₹9000 cash

2nd Position (overall): ₹6000 cash

3rd position (overall): ₹3000 cash

PROBLEM STATEMENTS FOR MAKE-A-THON:

Teams need to select a domain name given below where they can make a product on their own Problem Statement. The Problem Statement needs to be within the domain and should be submitted during the registration process only.

Domains for MAKE-A-THON 2021:

1. INNOVATION RELATED TO COVID-19
2. RENEWABLE ENERGY
3. WASTE MANAGEMENT
4. AGRICULTURE AND RURAL DEVELOPMENT
5. HEALTHCARE AND BIOMEDICAL DEVICES
6. FOOD AND WATER SECURITY
7. SMART EDUCATION

Total Registration:

14 Teams Registered this year out of which 9 were hardware and 5 were software.

Timeline of Event:

- ❖ The publicity & Registration of the event started on 11th June 2021.
- ❖ 30th June 2021 Registrations were closed.

1st Stage: In this stage, all the teams were told to explain their ideas(teams were told to write in detail about the ideas in a google form). It was a scrutiny round in which all the teams qualified. Results were declared on the 16th of July 2021.

2nd Stage: Conducted on 28th & 29th July 2021, All the teams were told to give presentations, Presentations on how the team is working to build their product their plan of action along the scope of their product.

The presentation was directed to consist of:

1. The Problem Statement.
2. The Scale/Relevance and analysis of the Problem.
3. The Solution to the Problem in detail.
4. The development or the formulation of the solution.
5. The implementation of the solution.
6. Scale of the impact of the solution.
8. Lean canvass model.

After the presentation by all the participants, they were told some improvements and were told to work on them. For the final round, 8 teams got selected.

3rd Stage: Conducted on 31st august 2021. Inspection on how the teams are making the prototype or the working model. The students had to send in a presentation that includes the prototype budget along with a simulation of their model.

All teams (both software and hardware) presented their simulations and working model(those who were able to make the prototype) presented their product online. Through question and answer sessions took place for all the teams.

Results: Results were declared on the 5th of September.

1st prize: Briana Rajan & team. (hardware)

2nd Prize: Aishwarya Nathni & team. (hardware)

3rd Prize: Atharva Joshi & team. (hardware)

About Judges:

- Hitesh Hiran

Hitesh sir is a strategy and finance consulting professional in Infrastructure Sector. He has over 10 years of industry and management consulting experience. Prior to joining PwC, Hitesh sir has worked with L&T in its Engineering and Construction (E&C) Division.

Sir has worked with Governments and their Agencies, Private Sector Entities, and Multilateral / Bilateral Financial Institutions. Some of his recently completed and/or ongoing projects include:

- Transaction advisory for Pune Metro Line 3
- Project and Finance Scheme for Mumbai Ahmedabad High-Speed Rail
- Financing, planning, and implementation support for the development of RRTS in NCR
- Fare Fixation Committee for Mumbai Metro One
- Real estate feasibility assessment for 100+ plots (>400 acres) in Mumbai
- Revenue Maximization Study for Mumbai Suburban Railway System
- Rajasthan Investment Climate Assessment Survey (ADB)
- Framework for Financing and Private Sector participation in Smart Cities
- Swiss Challenge Proposal for Smart City
- Bid Advisory Services for Mumbai Trans Harbour Link Road (MTHL), etc.

- Dr. Prasanna Nambiar

Principal of Don Bosco Institute of Technology(DBIT). She has over 25+ years of industry experience.

- Prof. Pradeepkumar Suryawanshi

Senior Professor at DBIT's mechanical department and Faculty head of our E-cell.

- Prof. S.S. Pawar

Head of the mechanical department of DBIT.

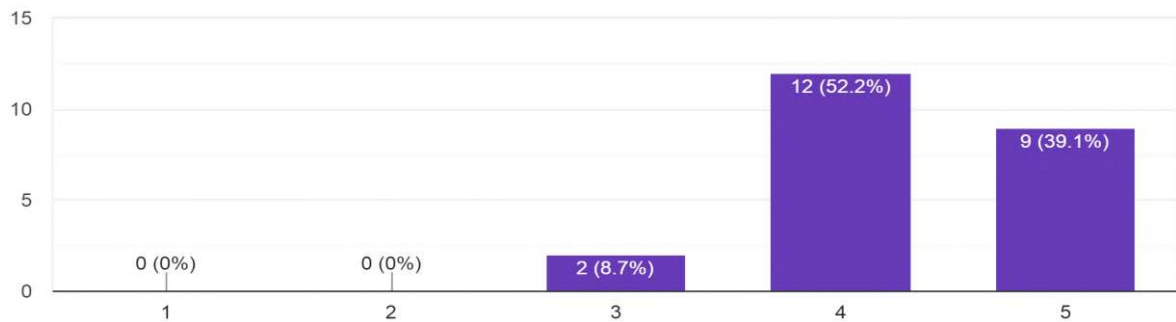
- Prof. Vinod Shridhar Gokarna

Head of First year's department of DBIT

Feedback (Participants):

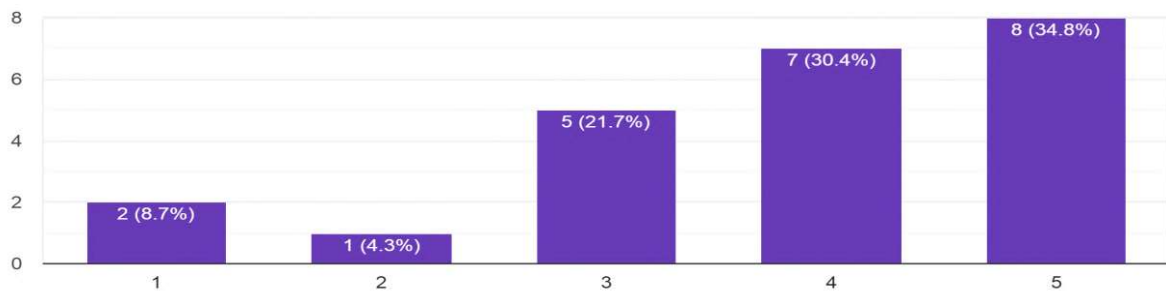
Rate the event

23 responses



How well was the event management

23 responses



What we can improve

23 responses

event management, rutvik sanap was unhelpful and very difficult to work with

manage time properly

Better management and participants to be informed earlier.

To look into software side more in-depth

All good..

Better event management, filtering out ideas which are copied from the internet.

Event management

Better management and organisation of the event

If all the rounds could be completed in a week, it would be more fun. Also, judges should also be given time constraints.

What we can improve

23 responses

Everything was perfect.

everything was okay

Informing the participants of the various fixtures and details a little earlier

The schedule of the event was not in favour of us students from dbit

It was good

Nothing

Judging criteria should have been rolled out well in advance but the rest was well organised

Proper managed schedule

Make it 2 days, for half teams consequence days.

Comment on overall event

23 responses

Awesome

Well organized

good ideas

not bad

Great initiative, gets a great insight into the entrepreneurial business

Overall good but too long

Tricky, food for thought questions were asked, good exposure good event

Average, Thank god it is conducted because most of us thought it would get cancelled this time.

Good

Comment on overall event

23 responses

Very good event and can be taken as template to increase academic-industry participation and help create opportunities for intrapreneurship or entrepreneurship.

Very Good

it was pretty good, got to learn a lot

Great event considering the restrictions due to the pandemic

Was a great event with various good ideas to solve day to day problems.

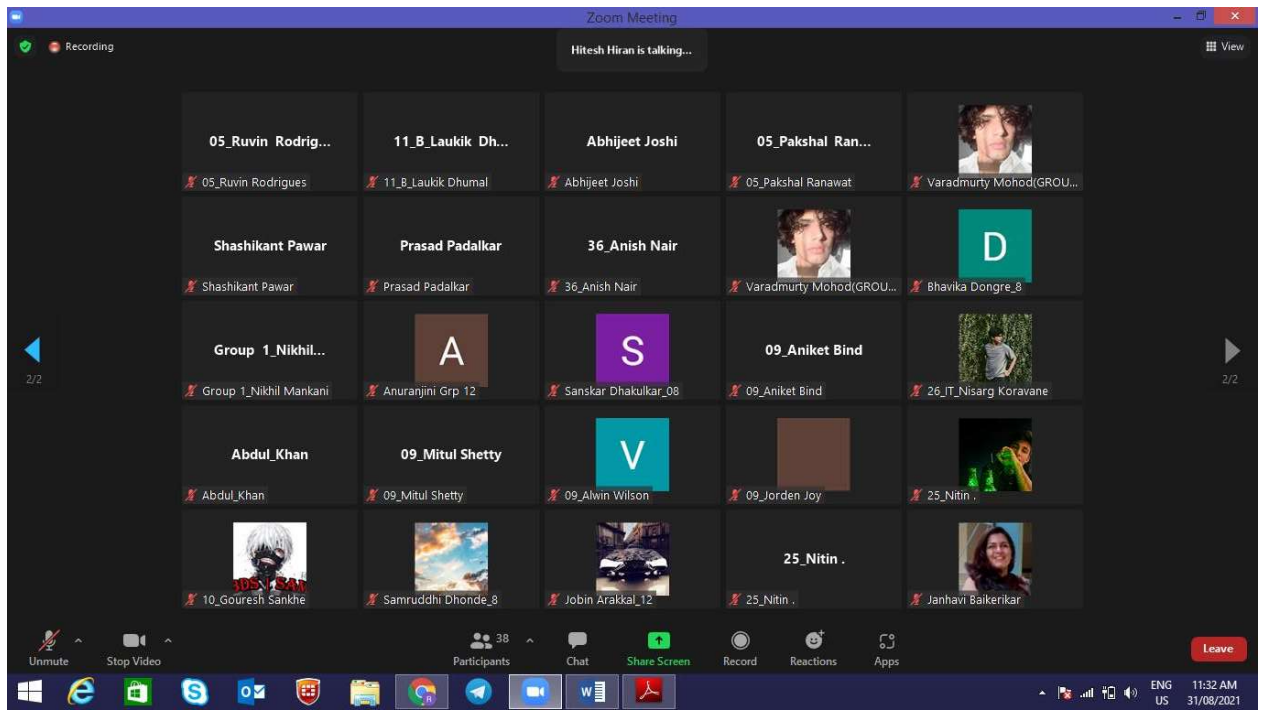
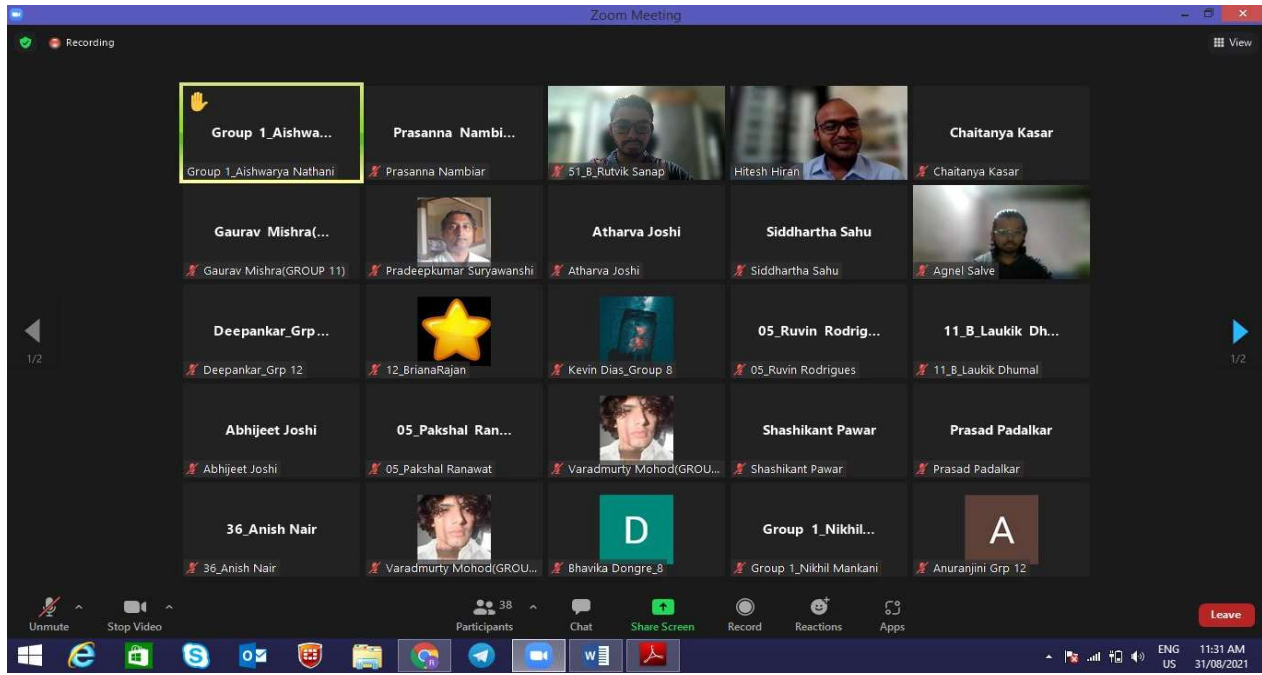
Intriguing

A well learning experience

Overall good but systematic approach should be followed

Best

A glimpse of event:



You are viewing Bhavika Dongre, 8's screen

Recording

Development of the solution:

```

    graph LR
      A[Water Flush] --> B[Emptying of Flush Tank]
      B --> C[Pressurized water sent to 4 inlets at bowl rim  
(Delivered to P-Trap)]
      C --> D[Cleaning using siphon effect]
      E[Vacuum Flush] --> F[Vacuum chamber shifts  
(Single acting cylinder)]
      F --> G[Suction of remnants using vacuum from the P-Trap]
      G --> H[Pneumatic actuation for regulation of discharge chamber plates]
      D --> I[Water transported to drainage]
      H --> I
  
```

Participants: 40

Unmute Start Video Participants Chat Share Screen Record Reactions Apps

ENG 11:46 AM 31/08/2021

Group 1_Aishwa...	51_B_Rutvik San...	Kevin Dias_Grou...	Hitesh Hiran
Pradeepkumar.Surya...	Agnel Salve	Prasanna Nambiar	Gaurav Mishra(GROU...
Atharva Joshi	Deepankar_Grp ...	12_BrianaRajan	05_Ruvin Rodrig...
11_B_Laukik Dh...	Abhijeet Joshi	05_Pakshal Ran...	Varadmurty.Mohod(...
Shashikant Pawar	Prasad Padalkar	36_Anish Nair	Varadmurty.Mohod(...

Zoom Meeting

Recording

Targeted population:

- Targets lower middle class people
- Toilets in public spaces - railways, bus stations, tourist places
- Village communities

Participants: 40

Unmute Start Video Participants Chat Share Screen Record Reactions Apps

ENG 11:48 AM 31/08/2021

Group 1_Aishwa...	51_B_Rutvik San...	Kevin Dias_Grou...
Hitesh Hiran	Pradeepkumar.Surya...	Agnel Salve
Prasanna Nambi...	Gaurav Mishra(...	Atharva Joshi
Samruddhi.Dhonde,8	Deepankar_Grp ...	12_BrianaRajan
05_Ruvin Rodrig...	11_B_Laukik Dh...	Abhijeet Joshi

Zoom Meeting

Recording

Circuit Diagram:

Varadmurty Mohod(GROUP 11) 2nd Cam

Windows taskbar: File Explorer, Edge, Teams, Outlook, Chrome, Zoom, Word, PowerPoint, OneDrive, System tray (Network, Volume, Power, Date: 12:39 PM, 31/08/2021)

Recording

You are viewing 05_Pakshal Ranawat's screen

View Options

Lean Canvas

Problem	Solution	Unique Value Proposition	Unfair Advantage	Customer Segments
No platform to exchange items between peers and college campuses. Items with no use are left to gather dust in a corner for years until they are finally thrown out.	The Xchange app will provide the students a place where they can put out the items they do not need. Also Students can buy from oneanother through contact Post the picture of the item with an appropriate description.	Exchange or procure books or any other necessary things in the quickest way possible (without visiting any local store to find a particular item).	- Innovative Technology. - Lower price. - Person to Person Interaction. - Necessary items can easily be found in this application.	College and University Students.
Existing Alternatives - OLX - Ebay - Quikr	Key Metrics - Number of students uploaded the items. - Number of students applied - Number of bookings done by single user.	High-Level Concept Everyone can become a host sharing economy	Channels - Referral among college and university students - Recommendation - Advertising (Both Online and Offline)	Early Adopters Students who are ready to share items with other students.
Cost Structure Development Marketing Hosting		Revenue Structure Investment Advertising Revenue		Activate Windows Go to Settings to activate Windows

View

12_Deepankar 12_Deepankar	11_B_Laukik Dh... 11_B_Laukik Dhumal	Abhijeet Joshi Abhijeet Joshi
Group 1_Nikhil... Group 1_Nikhil Mank...	Siddhartha Sahu Siddhartha Sahu	A 12_Anuranjini
09_Aniket Bind 09_Aniket Bind	09_Mitul Shetty 09_Mitul Shetty	09_Jorden Joy
25_Nitin . 25_Nitin .	Dr. Vihod Gokarna Dr. Vihod Gokarna	S Sameer Hadkar
Agnel Salve Agnel Salve	32_B_Chaitanya... 32_B_Chaitanya Kasar	12_BrianaRajan
Jivin Jivin	12_Jobin Arakkal 12_Jobin Arakkal	Kalpita Wagaskar

Unmute Start Video Participants 33 Chat Share Screen Record Reactions Apps Leave