

TECHFEST 2021-22

WITBLOX YOUNG INVENTOR

ABOUT THE COMPETITION

WitBlox Young Inventor Techfest 2021 competition is aimed to harness the creative ability among the young minds of this generation. The goal of the competition is to urge them to come up with innovative solutions to real world problems. It will encourage participants not only to conceive an idea to solve a given problem but also to execute it innovatively by making a prototype. To participate in this competition, the WitBlox Young Inventors must choose a theme from the following:

- 1) **Artificial Intelligence**
- 2) **Innovation in Farming**
- 3) **Water Resource Management**
- 4) **Climate Change**

Participants have to identify a problem based on the chosen theme, propose their idea, and build a working model on their selected idea. The themes are explained in detail under [COMPETITION THEMES](#).

HOW TO PARTICIPATE

Following are the steps for registration

1. **Register on the Techfest Website**

The Participants have to register on the official Techfest Website and fill all the necessary details: www.techfest.org -> Competitions-> WitBlox Young Inventor -> Explore More -> Register -> Fill all your details - > Now you must create/Join a team.

2. **Download WitBlox App from the Google Play Store**

Available for all Android devices. First, you need to fill in your details to register the WitBlox App

App Link - <https://play.google.com/store/apps/details?id=com.witbloxapp.witblox>

3. Preview the Themes of the Competition

Click on the Techfest icon at the home screen. You will find information on the 4 different themes of the competition. Choose any one theme and find more about it. Does this theme ring a bell for an idea? If not, explore the next theme.

4. Create your Inventor's Profile on WitBlox App

Once you are sure with the theme, click on select the theme button. It will ask to create your inventors' profile. You can also create your team's profile too. A participating team can have a max of 4 participants. Add your photo in your profile and you are all set!

5. Submit your Idea

On clicking **Next**, you can type your idea in the space provided. Express your idea in less than 250 words. Press the **Submit** button to send your idea to us for review.

6. Confirmation of your idea by our Jury

Your Idea gets approved the same or next day by our jury. So please look out for a notification on the WitBlox App. The notification will have your unique participant number. We may ask you to rework the idea if it does not qualify the competition criteria.

7. Build a Working Model of your idea and submit its video on the WitBlox App

Once your idea is approved, you can start building a prototype for it. Build it step by step to the best of your skill and understanding. When you think it is complete, it's time to submit it for finalist selection. Shoot the video of the working model by a video camera or smartphone. The length of the film must be less than 3 minutes. You can also add your voice in the video to explain it. Upload the video in the App.

8. Your Idea gets selected among the Top 20 Young Inventions

You will receive a notification stating your rank among the submitted entries a week before the final online round. The top 20 entries will be invited to showcase their inventions online before the Techfest jury.

9. Present your model to Techfest Jury through an online meet

We will inform you of the schedule of the online event, with date and time through an email. Meet the jury and all the participants and present your invention online. You will be given 10 min to present your model in front of the jury.

10. Bag the WitBlox Inventor of the year 2021 and & Win a Grand Prize

The best idea will be adjudged **WitBlox Young Inventor Techfest 2021** based on the combined score of the Judges.

ELIGIBILITY

Anyone studying in classes 5th to 12th (both included), in a school situated in India, can participate in this competition. Participants can register as an individual or as a part of a team. Participating teams can have a maximum of 4 members.

To participate in the competition, one must have to download and register oneself in the **WitBlox App** available at Play Store, using an Android Smartphone or tablet.

There is **NO** entry fee for participating in the competition.

TIMELINE

Registration opens	5 September
Idea submission deadline	3 December
Approval of (written) idea	Within 24 hours of submission
Video submissions close	4 December
Announcement of finalists	7 December
Final Presentation to the Jury	12 December
Final Result Announcement	12 December

GENERAL RULES

When registering for an account, it is necessary to accept WitBlox Young Inventor Competitions' Terms & Conditions, which apply for all registered participants these include:

- All users must provide a submission that the user has created themselves. All users must provide personal information that is truthful and accurate. WitBlox and/or Techfest reserves the right to exclude users at their sole discretion.
- The video you submit as part of the competition will be uploaded on the “**Submissions**” section of the app and will be visible to you and you only throughout the duration of the competition. The videos of the winners will be uploaded after the announcement.



- By submitting a video, you have given your consent to the publishing of your video for promotional purposes. If you do not wish to show your video submission, please contact us at info@witblox.com
- If you choose to use music in your video, you must ensure that you have legal permission to do so and it is **not** under copyright. WitBlox or Techfest will **not** be responsible for any copyright infringement.
- The decision taken by Witblox and the Techfest team in respect of all matters to do with the competition will be final and no correspondence will be entered into.
- The competition and these terms and conditions will be governed by laws of India and any disputes will be subject to the exclusive jurisdiction of the courts of Mumbai.

COMPETITION THEMES

1) Artificial Intelligence

AI is the future. We are surrounded by AI more than ever before. We have AI assistants like Alexa, Google Assistant and Siri to help us. We have AI doctors to monitor our health and advise us on exercises or habits. We have self-driving cars making travel decisions for us. AI has huge potential in our day to day life and it can augment human potential. Can you create AI based innovation to help Humanity and make our lives easier?

Come up with models and ideas that use basic concepts of Artificial intelligence that benefit human lives. Your idea must effectively solve an existing problem or improve quality of life.

2) Innovation in Farming

Agriculture is the reason why the whole world can eat and survive. We do not have to hunt and gather anymore. We have surplus food. However, we still practice traditional methods of Agriculture. With the increasing population, climate change, and other threats, what prototypes can be used to improve crop productivity?

Come up with innovative ideas that can help the Indian Farmer. The scope of this theme will cover any simple idea that introduces a better method, tool, or process to a farmer in sowing, managing the crop, harvesting, transportation, and storing. This new application of technology must save time, manual labour, or cost.



3) Water Resource Management

Water is essential to sustain life on planet Earth. However, many of us tend to overlook this simple fact and waste water needlessly. How often have we left a tap running? Or used much more water than we need to for our daily chores? Or ignored a leaking pipe?

Water scarcity has become a major issue in India. The problem has become so severe that in many states the groundwater has almost dried up and people have to depend on water supply from other sources.

You must think about how you can use technology to bridge the gap between the supply and demand of water. You can either come up with solutions that prevent the wastage of water, or improve the quality of water by removing pollutants, or use a new source of water to satisfy the water needs.

4) Climate Change

Climate change is having profound effects on India, which is ranked fourth among the list of countries most affected by climate change. The rise in temperature on the Tibetan Plateau is causing Himalayan glaciers to retreat, threatening the flow rate of the Ganges, Brahmaputra, Yamuna and other major rivers. Severe landslides and floods are projected to become increasingly common in such states as Assam.

It is the need of the hour to solve this global problem. Come up with ideas on how to boost sustainability in travel and mobility with technology and digitization. You are welcome to think like a free thinker and come up with sustainable solutions that reduce the effect of climate change.

NOTE:

The Jury will look out for a fresh idea and a model or prototype that uses engineering concepts to bring efficiency and convenience.

You are encouraged to ideate as a free thinker and come up with innovative solutions based on the above themes. Innovation is one of the major cornerstones of Witblox Young Inventor 2021.

STRUCTURE

ROUND 1: IDEA SUBMISSION

Every participant has to submit an idea which he/she plans to use for making a working model. The idea must be covered in any one of the four selected themes of the competition. You must express your idea in less than 250 words. The idea must be approved by the Techfest jury to get shortlisted for the 2nd round. The Jury can also advise you to re-work on the idea before re-submission.

ROUND 2: VIDEO SUBMISSION

The participants must make a working model/ prototype of their idea. Build it step by step to the best of your skill and understanding. Shoot a video of it with a video camera or smartphone. The length of the film must be less than 3 minutes. You can also add your voice in the video to explain it. Upload this video on the App. A maximum of 20 videos will be shortlisted for Round 3, based on the video of their models.

The shortlisting will be done based on the points it scored under the following categories:

- a) **Originality (novelty) of idea**
- b) **Application of technology concepts**
- c) **Efficacy of the solution**
- d) **Scalability**
- e) **Environment-friendly**

Each model will be scored from 0-5 under all of 5 criteria. Based on the combined scores, the ranking of each participant will be arrived at. In a case on the equal score, the weightage will go from the order of "a" to "e", where "a" being the highest.

ROUND 3: FINAL PRESENTATION

All 20 finalists will be invited to demonstrate their model in front of the Techfest Jury online. All participants will be given 10 minutes each to demonstrate the idea and showcase the working model of the robot. The jury may ask some questions to the participants. Each jury will provide individual scores to all participants based on:

- a) **Working model** - 5 categories as described above
- b) **Presentation and Q&A**- The judges will ask some questions related to the model.

The final winner will be decided based on the combined scores of all jury members. The order of priority to the judging criteria will be identical to that of Round 2.



CERTIFICATE POLICY

The best idea will be announced as **Young Inventor of the Year 2021** and win a grand prize. The participants selected for round 3 will be given a **certificate of excellence**. All qualifying participants will get a participation certificate.

PRIZES

The prize money will be awarded to top 3 winners via NEFT and will be processed within 30 working days after receiving the prize money from sponsors. Winners have to mail the following information (immediately after the announcement of results) to

kunal@techfest.org

Subject: Young Inventor, Team ID, Position
(example- Young Inventor, YI211003, 2nd Position)

Body of the mail must contain:

1. **Account Holder's Name**
2. **Account Number**
3. **Bank name and Branch name.**
4. **IFSC Code**
5. **Photograph of Bank Passbook as a proof**