



IoT MAKER CHALLENGE

Competition Brief

Connectivity and Automation are crucial for modern society. The Internet and software have empowered us and helped us in doing more in our everyday routine. Controlling and monitoring our physical environment and objects can further help the human race do more even while maintaining balance in life. This competition challenges learners to develop a product/gadget by applying the fundamentals of IoT (Internet of Things) technology.

The goal is to showcase your ability to develop an IoT solution.

Sponsors



Competition Timeline:

- **15th June:** Launch
- **30th August:** Registration Closes
- **31st August:** Submission Closes
- **15th September:** Results Announced

Rewards:

Prizes worth Rs. 10,000/- are up for grab. All project makers will receive "IoT Maker" certificate

- **Best IoT Project Award:**
One best project with the maximum overall score will receive a DIY Drone Kit from Makerbazar and "IoT Ninja" Badge:
<https://makerbazar.in/products/wooden-assembly-diy-toy-drone-aircraft-with-remote>
- **Best Prototype Award:**
The project with the maximum score in Evaluation Criteria 3 (Prototype Development) will receive a DIY Drone Kit from Makerbazar:
<https://makerbazar.in/products/wooden-assembly-diy-toy-drone-aircraft-with-remote>
- **Participation Award:**
All submitted projects receive up to Rs. 250 (or 10%) discount coupon from Makerbazar. Valid only if materials were ordered from Makerbazar Mobile App.

Age Group

- Age 10 to 17



Team Structure:

- Team Size: 1- 3 learners
- Each team must have a mentor

Rules & Regulations

1. Publishing your Work(Project Blog) on Makershala using my.makershala.com is mandatory.
2. The Work contents must include sections that help the jury evaluate your entry on the below given Evaluation Criterias.
3. The second option must have a video demonstration/explaining the solution. The video must include the prototype and the participant (minimum 1) in the same frame.
4. You can use ESP series boards only for developing the project. Sensors and actuators can be of any make and model.
5. Every participant/team must submit the Makerbazar order number to be eligible for the Submission Award.
6. The competition is only for school students from age 10 to 17 and sharing school id card is compulsory while submitting the entry
7. One team can submit more than one project, however only one project can win an award.

Evaluation Criteria

Sr. no.	Criteria	Task	Max. Score
1	Problem Definition	What is the problem scenario? Who is affected by the problem and How big is the problem for the user? <i>Min 50 words</i>	15
2	Explain your Solution	What is the proposed solution? How does the solution solve the problem? Demonstrating the working of the solution through a video <i>Minimum 100 words and 60 seconds video</i>	25
3	Prototype Development	Aesthetics of the prototype. Tools and technology used to make the prototype. How real is the prototype (whether only a working model or close to real product)	25
4	Skills and Knowledge Applied	Explain what principles of science, technology, design, arts, engineering and mathematics are applied in building the solution.	15
5	Presentation	Publishing a blog on the Makershala platform, Including graphics and video in the blog, describing the above 4 points in the blog.	20



Get Inspired

Check following link for to take some inspiration for your project idea

- <https://www.youtube.com/watch?v=Td1d5iMF3EQ>
- <https://www.youtube.com/watch?v=Qoc6yoct51c>
- <https://www.youtube.com/watch?v=fJehzhiAnso>

FAQ

- **Can I participate individually?**
Yes, it is not mandatory to make a team. Minimum 1 learner and 1 mentor should form a team. Maximum 3 learners allowed per team.
- **Which boards can I use to build my project?**
Any ESP series board namely ESR32 or ESP8266 can be used. Check out ESP board here: <https://makerbazar.in/search?type=product%2Carticle%2Cpage&q=nodemcu>
- **Developing a working prototype is mandatory?**
No, developing a working prototype is not mandatory. But it will affect the scoring. However it is recommended to make a static model to represent your idea properly.
- **Is there any offline presentation?**
No, there is no offline presentation. Ideas will be evaluated based on the blog content submitted.
- **Is it mandatory to buy from Makerbazar?**
No, You can use materials procured from any source. But you're eligible for participation award only when you purchase from makerbazar and submit the order id
- **Should my project idea be unique?**
No, The goal is that learners showcase their ability to develop an IoT solution. However, working on an unique idea might earn you an extra 15 points.

You may find below videos useful for making your submission for the competition.

- [Registering yourself at Makershala Portal](#)
- [Creating and managing your team at Makershal Portal](#)
- [Upload your first Video to YouTube](#)
- [Publishing your work at Makershala Portal](#)

Happy Making,

Makershala