

**ROBOTZ iINDIA** .com  
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V 4.0

**BE THE NEXT ROBOTEEER!**

**BE THE NEXT ROBOTEEER!**

Organised by



## About RAAIF

- Robotics and Artificial Intelligence Foundation's (RAAIF - A Non- Profit Organization) objective is to align and formalize robotic "minds" on a long term journey through "ENABLE INDIA" a programme envisioned by our forum of experts to make INDIAN MARKET PLACE a growing destination to look for sci-fi solutions, solving ever growing demand as much unwinding complex problems which are beyond human capabilities.

## Why National Robotics Competition?

- Competition creates an OPPORTUNITY to evaluate and excel. The Indian students' community is deprived of an opportunity to express their ability in a quality forum, where the one and only goal is to attract & extract the hidden "little scientists" in them.

## What is RobotzIndia V4.0 Competition?

RobotzIndia V4.0 is the ideal platform for the girls and boys to upgrade themselves from independent intelligence to collective Intelligence by enrolling and participating in various themes and categories which are purely designed to evoke their capability in science and technology.

## Themes and Categories in the competition:



For a simple game and bit complex problem solving challenge:

Theme 1: **Robotz Land** (Simple to challenging Games )

### The Football League

*A simple football playing wired or wireless robot with wheel, may be with kicking mechanism.*

### The Survivor Pro

*A simple Pick and place which can pick the garbage and drop it in the dustbin.*

### The Gladiator

*A robot which is amphibious in action to evade through the jungle and place its origin.*

## Theme 2: Robotz Space

### Glider Mania

*Design a rubber band triggered plane that should cover the maximum distance in less time with great stability. It should be able to complete the tasks given in each round of the competition.*

### RC Glider Mania

*Design a RC Controlled plane that should cover the maximum distance in less time with great stability. It should be able to complete the tasks given in each round of the competition.*

### The Mars Rover

*Build an autonomous/Semi-autonomous robot which can rove on multi-terrain surfaces against the challenges*

## Theme 3: My Innovation

- *Open Innovation – Design & build a working prototype robot in any field / domains of science and engineering.*
- *Smart city innovation.*
- *Smart Village*

## What if my School does not have Robotics?

- Your school can be anywhere in India, you can fill up the Training Form embedded in this catalogue and request for a Training. We have named the Training as “Prime Movers Programme”.
- RAAIF offers systematic, multi-level training program. We believe that the kids got to know the basics very well. We also strongly believe a “band Aid” solution is not the Cure.
- Click here to fill the Training Request form:
- You can mail us your queries to [robotzindia@gmail.com](mailto:robotzindia@gmail.com) Or call us at +91 44 2855 1110

## Who can participate in the competition?

### Eligibility:

- ✓ Students of class 5 to 12 can participate in the competition.
- ✓ Girls and Boys can participate as a team or as an individual (Innovation only).

## Unbiased Competition

**Kits and Components:** Ready-made kits (Any kits, All brands) can compete in the competition. They can also buy components and build their bot from scratch

Robots built from scratch will be allowed to compete against other robot built from scratch. This will be varying in critical circumstances

## What should be the student's capability and knowledge to participate?

- RobotzIndia V4.0 has simple competition like "Football League" and "The Survivor" where you can learn this in a week and build your own and participate.
- It also has bit complex Games, where a micro controller is used and programmed
- Both the beginners and the ones who are looking for challenges will enjoy and learn in this competition.

## Benefits for the school:

- The competition provides a unique platform for the school children to showcase their talent.
- Through this competition, RAAIF helps the Schools to accumulate patents through their student's innovations. The competition enables the schools to get exposed to global technological development.
- It is an outmost opportunity to interact with the world class scientists and keep a technical touch with them. The competition sets a higher benchmark for technological capabilities. It is an eye-opener for seeing the creations of their peer group who are around the country. It's a bound opportunity to make the innovation of the school to a commercially viable product. Finally it creates a huge visibility for the schools locally as well as globally.

## Benefits for the student's:

- The RobotzIndiaV4.0 competition creates an experience and exposure to the cutting edge technology to the student's. It cultivates a skill which enables the student's to think out of box. The competition is beyond academics but within science and technology. The competition creates a life skills towards entrepreneurship or employability for the student's. It's a platform for the student's for recognition and popularity. Students can gain knowledge and win amazing prizes and awards and more.
- Overall it is a technical experience for the student's along with fun and challenges.

## What the winners of the RobotzIndia V1.0, V2.0 and V3.0 gained?

The WINNING experience. They were tested in one of the TOP and prestigious institution like IIT-Madras in front of 4500 students, faculties and corporates. Students as well as the participating schools gained a recognition among public, other schools, colleges and corporate. The winning team tasted the popularity through an exclusive media interview and social media promotions. They brought the pride to their school, parents and fan followers for their team.

RAAIF helps them for patenting their projects.

The winners also won a huge amount of prizes and lot of accolades. Answering the juries on the dais, who were the robotics experts from the top Universities gives a first time experience in student's life. It's an opportunity to interact with the top industrialists, statesman, Head of top educational institutions of the country. Students gained an exposure to various advanced robots which were their dream projects.



## How to register for the Competition?

### Student's check list

✓ TEAM NAME (UNIQUE)	✓ School Details , including address & email (must)
✓ School Teacher – Contact Name & Number	✓ Team members Name and Details
✓ All Team members Date of Birth	✓ Members contact phone number or Guardians'

### Online Registration

**Step 1:** Open the [www.robotzindia.com](http://www.robotzindia.com) website and click on **competition** tab at the top.

**Step 2:** Choose your theme and category of the events which makes your interest.

- Once Decided, Download the rules and regulations of on the theme / category that you and your team wants to participate.
- Register yourself and your team members **before the deadline** with a Team Name in the **Register** tab in the RobotzIndia website. An individual or a Team name can be registered for "My Innovation" event.

### Step 3: Pay the registration fees for participating

- Once you register, you will be opted for paying your registration fee.

*Please note that registration can also be done directly with the help of the registration form given to you. If you opt for paper registration, you have to send a cheque or DD along with your registration form through post or courier to our office.*

### Cost of Participation:

- RAAIF is an NGO and we collect donations to conduct these competitions and we also provide free workshops, seminars and training for some of the deprived students in our capacity. The collection of fee also filters down to the "Most Interested Students" and creates a commitment towards this robotics experience.
- Rs1000/- (Rupees One thousand only) is charged per student / per theme/ per category.
- Rs2000/- per student for 3 categories and Rs3000/- for more than 3 categories.
- A team can consist of a Maximum of 5 and minimum of 2.
- In the innovation category, an individual can participate.

- All the cost to build for this competition, travel, boarding and Lodging will be borne by the students / teams.

## How to pay?

- Pay in your Local Bank :
- Cheque deposit (at par cheques only) and Cash deposit, the account and bank details are given below. When you deposit cash add Rs. 100 to the total, towards the bank charges.
- Purchase Demand Draft: post it us, the address is given below.
- You do a Bank Transfer, mention the Team Name in the reference section.
- The Cheques and DD should be in favour of:

Account name	<b>ROBOTICS AND ARTIFICIAL INTELLIGENCE FOUNDATION</b>
Bank Name	DENA BANK.
Branch	ALWARPET, CHENNAI, TAMIL NADU
Account Number	086311023885
Branch Code	0863.
IFSC Code	BKDN0620863.
SWIFT Code	BKDNINDBNUN

## Note:

All the proof generated for the payment should be mailed to [robotzindia@gmail.com](mailto:robotzindia@gmail.com) with duly mentioned of the Team Name / individual name, city, and state.

## Post Payment

- Once your payment is done, you will receive a confirmation mail to the email you provided for your team.
- You will be able to login into the site.
- Make sure to download your logbook detail and sample pages for making your logbook.
- Enter every activities that you do for the event in the logbook with respective date and time. Update your logbook regularly.
- Keep track of the important dates and deadlines mentioned in the important Dates tab of the RobotzIndia website.
- Submit your preliminary details of your robots/projects in the login page of your team/student before the deadline mentioned.
- In case of “My innovation” event, submit your ppt to [robotzindia@gmail.com](mailto:robotzindia@gmail.com) on or before the deadline.
- Make sure you full fill all the rules the regulations mentioned in specific events.
- Bring your updated logbook to the event arena.
- Bring tools, spare motors, wires, external batteries and power supplies to the event arena. This will be more helpful during unavoidable circumstances.
- Be polite and gentle at the occurrence of the event. This will make you to concentrate on the event.
- Make yourself to be present in the event arena before the time of occurrence of the event. This will boost your confidence and have a picture about the arena.
- Check whether your Team name is present in the event sheet before the event starts by contacting a RobotzIndia co-ordinator.
- Don't make any arguments with the opponent team. Contact the RobotzIndia co-ordinator in such circumstances.
- Abide yourself to the rules and regulations.

**Good luck!**

**Contact us:** Email: [robotzindia@gmail.com](mailto:robotzindia@gmail.com) | Phone: +91 9962593344, + 9144 2858 6363 | Web: [www.robotzindia.com](http://www.robotzindia.com)