



How to Participate

We are delighted to invite your reputed institution to participate in 16th edition of **World Robot Olympiad India**, India's largest International Robotics Competition. World Robot Olympiad is body of more than 70 countries across the World and this family is growing every year.

This year's WRO theme is **SMART Cities**, it focusses on the current technology, developing new devices, and strengthening wireless technologies. There are broadly 4 category in World Robot Olympiad

- 1.Wro Open category
- 2.Wro Regular category
- 3.Wro Football
- 4.Wro Advanced Robotics Challenge

A team consist of minimum 2 or maximum 3 members with one adult coach can be formed within a specific age group only. The age group with category is defined below. All team members must belong to same age group like either elementary either junior or senior. This team formation applicable on both Regular or open category. Age definition with their Respective group category

- 6-9 years- Wedo category or Wedo open category
- 9- 13 years – Regular Elementary category Or open elementary category
- 13-16 years –Regular junior high category or open junior high category
- 16-19 years – Regular senior high category or open senior high category

For football- 10-19 years (2-3 members with one adult coach)
For Advanced category –(17-25) years

item	Regular category	Open category
Competition & challenge	A team will build the Autonomous Robot to solve some predefined task which is available on www.wroindia.org Challenge for different age group (Wedo, Elementary, junior & senior) is given under challenge option on website.	Team will create innovative project on the current year Theme. This year for the wro open category 2019 ,teams are asked come up with innovative ideas for the area of Governance(1),the Work place(2) and Education in

		which Robot plays a role .Team can choose one of 3 area (1-3) to work on but a team can choose a project which focus on multiple areas. for example interaction between new governance ideas and work place of future .kindly visit our website for more information and guidelines
Hardware	Only lego-controller, parts and ,Hitechnic colour sensor can be used to build the Robot .No other material is allowed	No Restriction on material to use.Any controller ,sensor or material can be used
Software.	Free of choice	Free of choice.
Regional/National	For elementary /junior high teams have to participate in Regional and qualify for National. There will be 12 regional in across the county .To know more about Regional city kindly visit our website www.wroindia.org schedule and city are given under schedule option. For other categories direct national. The winner at National will Represent India at International event at hungary in November 2019	There will be direct national Team will bring the project at National event. The winner at National will Represent India at International event at Hungary in November 2019
Maximum size	Robot with initial size 25cm x25cmx25cm made of lego parts only	A booth with tentative size 2mx2mx2m will be provided(note size can be change depends upon the available of space

For football category.

2-3 members with one adult coach. Team will create robots which play football with IR BALL. Hardware-only lego branded materials can be used to build the Robot. Direct national

For Advanced Robotics challenge

For Indian edition A team of 2-10 members can be formed .kindly visit the website for more information .Direct National

The winner at National level will Represent India At Wro International which will held in Nov 2019 at Hungary.

Last date of registration: 10th july 2019

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