



An initiative by SPAARK  
ISO 9001:2015 Certified Motorsport Company

## INDIA'S BIGGEST KARTING CHALLENGE



## Indian Karting Championship

Rulebook  
(Version 1 released on 01/04/2024)

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## **ADMINISTRATIVE REGULATION**

At Spaark Motorsport, we intend to provide our young emerging undergraduates with the best learning experience, where student after graduation will be a technically developed, dedicated towards own dreams and concepts, innovative and skilled engineer. We aim to build an engineer who will spend each second of his life in developing himself. We strive hard to ensure that each student in our family evolves to their best potential.

### **Organizer's objective**

**Promote Karting:\*\*** To promote go-karting as a sport in India, encouraging participation from a grassroots level.

**Develop Skills:\*\*** To assist in the development of racing skills amongst amateurs and professionals alike.

**Increase Accessibility:\*\*** To make motorsport accessible to a wider audience, emphasizing inclusivity across different age groups and skill levels.

**Cultivate Sportsmanship:\*\*** To foster fair play, respect, and sportsmanship among participants.

### **The Indian Karting Championship® Racing Beyond Boundaries\*\***

Indian Karting Championship, the premier go-kart racing event that fuels the passion for speed, skill, and spirit across India. Organized by SPAARK Motorsport, this championship brings together racers of all ages, from young enthusiasts to professional speedsters, offering a thrilling platform to showcase their talent and competitive spirit.

Spanning multiple cities with diverse and challenging tracks, the Indian Karting Championship is designed to test skill, precision, and endurance in a dynamic racing environment. With categories tailored for various age groups and expertise levels, the championship ensures that everyone, from the novice racer to the seasoned pro, finds their stride and excitement.

Our championship is more than just a race; it's a celebration of motorsport culture, fostering community, sportsmanship, and the continuous growth of our participants. With cutting-edge karts and top-tier racing infrastructure, participants experience the thrill of motorsports in a safe and regulated environment, ensuring an exhilarating yet secure platform for all competitors.

The Indian Karting Championship prides itself on accessibility and inclusivity, providing an equal playing ground for all racers and a clear pathway for those who dream of scaling new heights in motorsports. Join us for a season of breathtaking races, where champions are made, and racing dreams come alive!

### **Official announcement**

All official announcements, results and every other details regarding IKC will be published on the website [www.indiakarting.in](http://www.indiakarting.in) and Instagram\_page @indiankarting\_ikc

## SECTION B

### Organizer authority

#### Rules authority

Organizing Committee is having right to impound each and every rule associated with the event.

Violation by anyone of the participating member may be liable to be penalized severely or may lead to disqualification from the event at any time of event calendar.

#### Rules validity

The rules specified in the rulebook will be valid throughout the event calendar and will be limited for specific edition of **Indian Karting Championship**. If organizing committee announces any changes in the rules, all the participants will be informed before amendments.

#### Rules compliance

By participating in **Indian Karting Championship**, the team members, faculty advisors and respective college agree to comply with, and be bound by, all rules interpretations or procedures issued or announced by **Spaark Motorsport**. All team members, faculty advisors and other university representatives are required to cooperate with, and follow all instructions, penalties and results from competition organizers, officials and judges.

## SECTION C

### Participation Requirements

#### Driver Requirements

Any individual can participate in this race. He/She must be above 9 years or above and should be medically fit.

#### Registration Agreement

By registering in IKC, The Team Captain/Team Member/Faculty Advisor/College Management must agree with the rules and regulations of **Spaark Motorsport**. They understand that all the information provided in the registration documents and online registration forms are correct to the best of their knowledge. They accept that team would undertake all the activities without the help of a professional directly or indirectly. The amount deposited by teams is non-refundable.

#### Registration Fee

Fees:

- Registration- (1 Driver+ 5 support members)-INR. 9,800/- plus GST 18% (covers 200+ Laps races, judges, paddocks, race marshals, measuring devices, track rent, trophy, certificates, prizes, promotions etc )
- Driver Training Program- INR. 4,000/- (covers 100 Laps practice sessions, tires, trainers fees, Racing license, medical insurance, fitness certificate)
- Kart Rent
- Kids Class- INR. 3,000/- Plus GST 18% (3 days including tech support)
- All other classes- INR. 4,000/- Plus GST 18% (3 days including tech support)
- Racing safety gear- INR.2,000/- Plus GST 18% (Includes SFI rated kit)
- Consumables- Tires set, Oil, Fuel -INR.2,000/- Plus GST 18%
- Total-INR. 21,800/- Plus GST 18% =25,724/-

#### Mode of payment

NFT/RTGS/Bank Transfer

Bank Name: ICICI BANK LIMITED, PUNE - KOTHRUD

Bank Account No.: 033805008189 Bank IFSC code: ICIC0000338

Account Holder's Name: NGIL Solutions Pvt Ltd

Payment page link- <https://pages.razorpay.com/ikc2024>

UPI- ngilsolutionsprivatelimited@ybl

## SECTION E

#### Driver Requirement-

Each team must have two drivers. If any team have single driver, they will have only one attempt of the entire dynamic event except endurance. The single driver can complete entire endurance test. It is mandatory to attend the paid driver training program by each team.

**Driver's Age-** Every driver must be 10 years or above on 1<sup>st</sup> April , 2024. Driver can be of Maximum 60 Years.

**Driver's License-** Every driver must have four wheeler driving license for **Pro Class only** and must present it at registration desk.

**Driver's Suit-** A fire resistant one piece suit, made from a minimum of 1 layer that covers the body from the neck down to the ankles and the wrists. The suit must be certified to either one of the following standards and be labelled as such: SFI 3.2 or 3.3 (or higher) FIA Standard 1986

**Underclothing-** Every driver must wear underclothing of fire resistant material like cotton. The shirt must be full sleeve and should cover maximum body part. The drivers can wear denim material clothing inside the fire suit.

**Helmet-** A well-fitting closed face helmet that meets one of the following certifications and is labelled as such Snell K2000, K2005, K2010, M2000, M2005, M2010, SA2000, SA2005, SA2010 - SFI 31.2A, SFI 31.1/2005 - FIA 8860-2004, FIA 8860-2010 Open faced helmets are not allowed. All helmets to be used in the competition must be presented during Technical Inspection where approved helmets will be stickered. DOT rated helmets with closed face are also accepted. **ISI rated helmets are not allowed.**

**Balaclava-** A balaclava which covers the driver's head, hair and neck, made from an acceptable fire resistant material as or a full helmet skirt of acceptable fire resistant material. The balaclava requirement applies to drivers of either gender, with any hair length.

**Gloves-** Leather gloves with extra foam are acceptable.

**Shoes-** Fire resistant shoes made from acceptable fire resistant material shoes must be certified to the standard and labelled as such: SFI 3.3 FIA 8856-2000. The sport shoes/Canvas shoes/Leather shoes/Industrial safety shoes are not allowed at any point of the event.

**Neck Support-** SFI 3.2/3.3A rated is must.

The failure to fulfil any above requirement by any team will be disqualified immediately from the dynamic events.



## SECTION F

### 29.0 Chain guard-

There must be protection of chain and sprocket by using metal sheet or plastic mould to ensure safety of power train.

### 30.0 Kart Number

There are chances of getting low lights during the race, so for better visibility, it is mandatory to stick kart number in black front colour having height exactly 5 inch at frontnose and either side fairings and rear fairing of kart in yellow background only.



(Refer above images for kart number position.)

## SECTION G

### 34.0 GRID FORMATION:

- If more than 40 teams sign up the teams will be divided into two groups, A and B. The best timed lap from both groups will be the pole sitter. As an example, let's say the best time set was from GROUP B, then the best time from GROUP A will start 2nd, the second best time from group B will start third, the second best time from group A will start fourth and so on. Timing session will last 5 minutes for each group. Untying result is who scored first in the timing session.
- The same driver that runs in this session will have to start the race.
- Kart changes will not be allowed during the grid formation session.
- If an accident during the grid formation session happens and one or more karts break down, kart changes will be allowed but the driver that caused the accident will be substituted for race start and the team will receive a 40 second penalty to be served in the track.
- If a driver requires a kart change during or after the timing session claiming his kart is broken, he is gambling. A track official will drive the kart and decide if it's suitable for Racing or not. If the kart is in fact not suitable to start the race, it will be substituted by a draw inside the pit area. It isn't mandatory that the driver or a teammate is present at the draw. It is mandatory that the draw is done in front of at least two witnesses. Recorded laps will be used for starting grid position. Driver will not be allowed to restart his grid formation procedure nor test the new kart. Tyres will be warmed rapidly by a crew member. If the track official says the kart can race the team keeps the kart, starts last and will receive a 40 second time penalty to be served during the first ten laps.

### 35.0 Technical inspection -

**Inspection sticker-** The teams who have cleared technical inspection will get sticker on kart which will also be used in further dynamic events for noting down timing of each event on it.

Technical Inspection OK	Brake Test OK	Acceleration OK	SKIDPAD Time Time
AUTOCROSS Time Time	TIME TRIAL Time Time	QUALIFYING Time Time	FINAL Time Time

(All the Test Timing & Design Evaluation Rating will be put on this sticker just after clearing a test)



## SECTION H

### Practice Sessions: -

Sessions duration will be announce on website

#### 37.0 Acceleration Test-

Acceleration determines the time it takes the vehicle to accelerate along 50 meters flatcourse. Each team may take two attempts but with different drivers.

Scoring will be based on better of two attempts. The starting and stopping moment of vehicle will be judged by positional sensor devices.

Scoring Formula- Acceleration score =  $50x [(T_{\text{longest}} - T_{\text{yours}}) / (T_{\text{longest}} - T_{\text{shortest}})]$

#### 38.0 Skid Pad -

The skid pad layout may be a figure of 8 or S depending on the track condition but minimum track width will be 2.5m and shortest turning radius 2.0m.

Each team may make two attempts but with different drivers. Scoring will be based on the better of the two attempts. Timing will be measured by using either electronic system.

Scoring Formula- Skid Pad score =  $50x [(T_{\text{longest}} - T_{\text{yours}}) / (T_{\text{longest}} - T_{\text{shortest}})]$

#### 39.0 Autocross-

The autocross course will consist of zig-zag path and having cones at continuously decreasing distances. The detailed path will be announced on prior to dynamic events.

The vehicle will be staged such that the front wheels are 6 m behind the starting line. Each team will have only 1 attempt.

Timing may be done using either electronic systems or stop watches.

Scoring Formula- Autocross score =  $50x [(T_{\text{longest}} - T_{\text{yours}}) / (T_{\text{longest}} - T_{\text{shortest}})]$

#### 40.0 Time Trial Test-

This test will combine acceleration, deceleration, skid-pad (on dry track) and autocross test into one single heat. Teams having DNF in skid-pad and or autocross test will not be eligible to appear for time trial test.

The time will start as soon as vehicle leaves the starting line of acceleration test and time will end as soon as vehicle touches finishing line of autocross test. The vehicle will have to clear all these tests without stopping vehicle.

Detailed track layout will be explained at event site.

Time Trial score =  $100x [(T_{\text{longest}} - T_{\text{yours}}) / (T_{\text{longest}} - T_{\text{shortest}})]$

### Penalties of skid pad, autocross and Time-Trials -

Cones down or out- A penalty of 2 seconds will be added to the time for every cone that is knocked.

DNF- The vehicle which go out of course or follow incorrect path will be given Does Not Finish penalty. If vehicle stalls or breaks down, it will be given as DNF. There will be no external assistance to the vehicle in any dynamic test.

#### 41.0 Endurance test-

##### Qualifying Race (250 points)-

It will include 15 Laps heat in which karts will start laps individually by 5 seconds lag between each two karts. If any vehicle face breaks down, only second driver of team can provide assistance to the vehicle. Teams are not allowed to work on their vehicles during the heat. A driver change is not allowed during heat. Passing another vehicle may only be done in an established passing zone.

Qualifying race score=  $250 \times [(T_{\text{longest}} - T_{\text{yours}}) / (T_{\text{longest}} - T_{\text{shortest}})]$

##### Final race (200 points)-

It will consist of 20 laps heat in which the top 10-14 karts depending upon Racing Condition (Those who clocked faster to complete 10 laps in qualifying race) will race. Teams will be given 15 minutes time to work on vehicles between the prequalifying and final race timing. The pole position for final race will be assigned on the basis of fastest lap in qualifying race. No driver change is allowed during race.

Final race score=  $200 \times [(T_{\text{longest}} - T_{\text{yours}}) / (T_{\text{longest}} - T_{\text{shortest}})]$

T longest value will be assigned between 2 to 3 times of T shortest based on track pace. Endurance Fuel Fill- No refuelling is permitted during the race.

Vehicle Breakdown and Stalls- If a vehicle stalls, or ingests a cone, etc., it will be allowed to restart and re-enter the course where it went off, but no work may be performed on the vehicle. If a car stalls and cannot be restarted without external assistance, the track workers will push the car clear of the track.

Endurance Minimum Speed Requirement- If a car is unable to maintain lap times within 105% of the fastest lap time for the course, and then it must exit immediately. Disqualification for failure to maintain the minimum speed will be made at the discretion of the Director of Operations.

Rash Driving- Any reckless or aggressive driving behaviour (such as forcing another car off the track, refusal to allow passing, or close driving that would cause the likelihood of car contact) will result in a black flag for that driver. When a driver receives a black flag signal, he must proceed to the penalty box to listen to a reprimand for his driving behaviour. The amount of time spent in the penalty box will be the time penalty for the vehicle.

Last Lap Board- Suppose, kart number 50 completes the second last lap, he will be shown Lastlap board mentioning "Last Lap 50" in black font on yellow background.

In this manner, each kart in slot will be reminded by volunteer assigned to particular team. If any team overlap or underlaps, it will be assigned with 0 points.

External Assistance- If vehicle stalls during race, no external assistance is allowed. Working on kart will be allowed only in safe region. Driver should move kart from track area to safe region. Wet weather condition- If by chance, there comes rain prior to race, teams are advised to fit wet tires since race schedule will not be changed and teams must race on wet track. Teams who will not have wet tires will not be allowed to enter in race.

If there comes rain during the race (after starting of race in dry condition), the race will be restarted in wet condition. However, time for changing tire will be provided.

Teams can use wet tires on dry condition but are restricted to use dry tires on wet condition.

##### 10 Second Penalty-

Disobeying Flags

Intentionally pushing other vehicles outside the track

Blocking faster vehicles from overtaking

## Flags

The flags are the instructions expelled by organizer during the dynamic event and each driver must obey flags.

Black/Red flag- Pull into the penalty box for discussion with the race controller or other official concerning an incident. A time penalty may be assessed for such incident.

Checker flag - Your session has been completed. Exit the course at the first opportunity.

Green flag - Your session has started, enter the course under direction of the starter. (NOTE: If you stall the vehicle, please restart and await another green flag as the opening in traffic may have closed.)

Yellow flag - Danger, SLOW DOWN, be prepared to take evasive action, something has happened beyond the flag station. NO PASSING unless directed by the corner workers.

## SECTION H1

**PRIZE:** Three best teams will earn trophies for each driver, and the drivers from the winning team will be exempt from paying next year's NATION CUP. These are untransferable.

## SECTION I

### 42.0 Queries

For registrations and technical issue, schedule and other questions- [info@indiakarting.in](mailto:info@indiakarting.in)

If team want to clear query immediately, they can contact on following numbers.

Contact no for registrations and technical questions: +91- 8669501501

## SECTION J

### 43.0 Results

The results of each dynamic and static event will be written on TI Sticker at event site in a moment after clearing test.

The decisions by organizers regarding the result will be final and teams must comply with it. No any team possess any right to object on the decisions of organizer regarding result. We appreciate and respect each participant's hard work and effort to enter the event. Teams are requested to settle down any disputes in professional manner in a meeting room.

## SECTION J1

DAY	ACTIVITY
Friday	Registrations, Drivers Training, Practice Sessions
Saturday	Practice and qualifying sessions, DJ night
Sunday	Final Rac and Award, Press

## SECTION K

### Penalties

#### Document submission-

The late submission or failure to submission of design report, CAE report, Technical Inspection Sheet, calculation report, design presentation and indemnity bond will lead to 50 points standard penalty. If you submit design report 1 hour late or 1 week late, you will be applied with 50 points penalty.

**Violations to flags-** if any driver does not obey flags, the team will be penalized for 50 points.

**Vehicle movement-** Teams are restricted to use the power of engine other than dynamic events. If any team uses power of engine for movement, they will get penalty of 100 points without any prior warning.

**Misbehaviour or arguments with officials or volunteers** - 100 points penalty or disqualification or ban for 3 years.

#### Changes in vehicle after TI -

Team can change their sprocket ratio and tires after technical inspection without disturbing parameters such as ground clearance mentioned in TI sheet.

Teams are not allowed to eliminate any component in vehicle after technical inspection. If any team found while eliminating or disturbing safety parameters mentioned in TI sheet, such team will be penalised for 50 points.

For updates and info

[www.indiakarting.in](http://www.indiakarting.in)

[www.facebook.com/officialikc](https://www.facebook.com/officialikc)

[www.instagram.com/indiankarting\\_ikc](https://www.instagram.com/indiankarting_ikc)

Or call us on **8062265405**

Kind Regards

