



## AUTOINDIARACINGCHAMPIONSHIP2026

### Technical Inspection Sheet

Team Name

Vehicle Number

Institute/College Name

Team Captain

Signature

Team Manager

Signature

Driver1

Signature

Driver2

Signature

Faculty Advisor

Signature

Section	Rules	Tick if Approved (College level)	Tick if Approved (Tech Inspector only)	Comments
<b>Driver</b>				
1.1.	<b>Driver's License</b> (Four Wheeler, Learner's License is not acceptable)			
1.2	<b>Medical Insurance</b>			
1.3	<b>Physical Fitness Certificate</b> (It can be taken from any recognized medical centre/Hospital.)			
1.4	<b>Driver Suit</b> (Single Layer, SFI 3-2A/1 or higher or FIA Standards 1986)			
1.5	<b>Under clothing</b> (No other than fire resistant material or 100% cotton). This fire resistant underclothing should be made from an acceptable fire resistant			

	material and should cover the driver's body completely from neck down to ankles and also the wrists			
1.6	<p><b>HELMET</b>            (Snell K2000, K2005, K2010, M2000, M2005, M2010, SA2000, SA2005, SA2010, SFI 31.2A, SFI 1.1/2005, FIA8860-2004, FIA8860-2010, ISI (ANY SERIES)),            Open Faced Helmet is not allowed.            The helmet requirement applies to drivers of either gender, with any hair length</p>			
1.7	<p><b>Balaclava</b>            Fire Resistant, The balaclava requirement applies to drivers of either gender, with any hair length</p>			
1.8	<p><b>Neck Support</b>            SFI Rated, Full Circle 3600, Simpson, RCI, GForce, Deist or Leaf Racing Products supply neck collars that meet this requirement.</p>			
1.9	<p><b>Gloves</b>            Leather Gloves with extra foam, no half gloves.</p>			
1.10	<p><b>Shoes</b>(Fire Resistant, SFI 3.3, FIA8856-000, OMP)            Sport shoes/Canvas shoes/Leather shoes/Industrial safety shoes are not allowed at any point of the event.</p>			
1.11	<p><b>Socks</b>(Fire Resistant)            Pure cotton Socks are allowed.</p>			
<b>Chassis</b>				
2.1	<p><b>Material</b>(Seamless, Min OD 25.4mm) / Material Certificate</p>			
2.2	<p><b>Wheelbase</b>(Minimum 40 inch, Maximum 55 inch)</p>			
2.3	<p><b>Track Width</b>            Smaller track width (front or rear) must be no less than 80% of the Wheel base</p>			
2.4	<p><b>Clearance</b>            There must be at least 3 inch clearance from the driver to any component of the vehicle in static or dynamic condition</p>			
2.5	<p><b>Minimum Cross section</b>            Minimum cross section must be 1 inch(25.4mm), for pipe it will be OD and for rectangular section or square section it will be its minimum height</p>			
2.6	<p><b>Ground Clearance</b>            With the driver aboard there must be a minimum of 25.4mm (1 inch) of static ground clearance measured from the lowest point(except tyres) of the vehicle, under the complete vehicle.</p>			

2.7	<b>Maximum Turning Radius</b> (Maximum turning radius allowed for every vehicle is 3.8m)			
2.8	<p><b>Jack Point</b></p> <p>There must be two jack points in the vehicle one in front and the other in the rear. These jack points must be polished with the orange color for easy visibility.</p> <p>Just below the main chassis frame tube there must be a 10 inches (with minimum 1 inch OD) steel tube welded and equally distributed to both the sides from centre line of the vehicle.</p>			
2.9	<p><b>Toe Point</b></p> <p>There must be two toe points in the vehicle one in front and the other in the rear. These toe points must be polished with the orange colour for easy visibility.</p>			
2.10	<p><b>Bumper</b></p> <p>Must be in front and rear both, covering the tyres, made of continuous and seamless tube having minimum OD 25.4mm and minimum thickness 1.65mm must be covered with foam pipe insulation.</p>			
2.11	<p><b>Push and Pull Bar</b></p> <p>Detachable, push &amp; pull for 2 people standing erect behind the car.</p>			
<b>MAIN BODY</b>				
3.1	<p><b>Steering</b></p> <p>Positive steering stop, free play of the steering is limited to 7 deg</p>			
3.2	<p><b>Brake</b></p> <p>Brake must be operated by single control. Brake by wire/electronic braking is prohibited.</p> <p>Electronic braking system is not allowed.</p> <p>The bleed nut must be in 12 o'clock direction.</p> <p>There should be no leakage from any component or brake lining.</p>			
3.3	<p><b>Steering Wheel</b></p> <p>Continuous perimeter, near round, concave sections, rigidly mounted</p> <p>The steering column must be rigidly fixed.</p> <p>Welding of steering wheel with column is not allowed.</p>			
3.4	<b>Visible Access</b> (To ALL components )			

Safety					
4.1	<b>Kill Switch</b> (At least two (2) kill switches, one near the steering wheel in driver's compartment and other outside of the vehicle near firewall or on the roll hoop ,if any)				
4.2	<b>Fire Wall</b> Must be manufactured to protect the driver cabin from engine chamber, must have a minimum clearance of 3inch from the engine and driver seat. Acrylic/Plastic/perforated sheets are not acceptable. Tested specimen with the testing results/reports is required to be produced during the inspection of the vehicle if any material which is not easily decipherable is used in the manufacturing of the firewall.				
4.3	<b>Driver Seat</b> Every team has to use proper Go-Karting Seat. The seat mounting must be rigid enough to withstand the dynamic condition Alignment of the driver sitting posture must be near about parallel to vehicle's longitudinal axis.				
4.4	<b>Driver Seat Belt</b> Driver seat belt is strictly prohibited. Any kind of driver safety harness is not allowed.	NOTMANDOTRY	NOTMANDOTRY		
4.5	<b>Battery</b> Attached securely to frame or chassis; hot terminal insulated				
4.6	<b>Brake Light</b> Properly working RED brake light, clearly visible from the rear; on vehicle. All the electrical connections done must be well insulated.				
4.7	<b>Exhaust</b> If there is any extension in exhaust it must be shielded properly. Shielding of Exhaust manifold is required only if it's coming out of the vehicle or when it can harm the viewer's coming in contact of the vehicle; the shielding of exhaust must be in such a way that it does not cause any hindrance in the heat dissipation of the exhaust pipe. Exhaust gases must be redirected towards ground from extreme output.				

4.8	<p><b>Reverse Light and Alarm</b>  If the vehicle is equipped with reverse gear, it should have reverse light and alarm. Reverse alarm is mandatory to install for safety reasons which shall operate when the reverse gear is engaged.  Animal sound or any unpleasant sound is not allowed.</p>	NOTMANDOTRY	NOTMANDOTRY	
4.9	<p><b>Throttle paddle</b>  It must give full return. There must not be any sharp edges near by the throttle paddle.  Must have positive stop</p>			
4.10	<p><b>Brake Over travel Switch</b>  Behind the brake pedal, must be operated in case of brake failure.  This switch must kill the engine but not the brake light connection, when pressed.  Killswitchwhichneedscontinuouspressuretobeappliedfortheoperationarenot allowed.</p>			
4.11	<p><b>Lock Nuts</b>  Lock nuts must be used everywhere, must meet the specification of metric grade M8.8orhigher.Theremustbeacentrewheelnutonwheelstubaxleblockingthe whole hub and bearing assembly to come out.</p>			
4.12	<p><b>Fire extinguisher</b>  There must be 02nos of 02kg ABC type fire Extinguisher  One must be installed in vehicle and one must be carried by the member who will be guiding the vehicle on track.  Both the Fire extinguisher must be named with Team ID and Team Name.</p>			
4.13	<p><b>Base floor</b>  Every vehicle should be equipped with base plate so that it can protect driver from any foreign material which might accidentally enter from the base of the vehicle.</p>			
4.14	<p><b>Path for Wires and Pipes</b>  No pipelines/wire connections must go under the frame.  Electrical wires must be routed properly along with the structural members of the frame.</p>			

4.15	<p><b>Safety Equipment's</b></p> <p>Every team is advised to use proper safety equipment's during the manufacturing or during any repair work on site.</p> <p>Welding face shield, safety gloves, full sleeves cotton inner shirt, apron, safety shoes, Safety goggles.</p>			
<b>Engine Compartment</b>				
5.1	<p><b>Fuel Tank Ventilation and Fuel Gauge</b>(The fuel tank must have a ventilation to make the tank empty)</p>			
5.2	<p><b>Fuel Tank</b></p> <p>Engine is already equipped with the proper fuel tanks there is no need of extra fuel tank Not Allowed.</p>			
5.3	<p><b>Fuel tanks spill over prevention</b></p> <p>Every vehicle must have a spill over prevention container mounted on the top of the fuel tank which should prevent the fuel being accidentally fall on any part of the engine or exhaust. The side walls of the Spillover tank should be atleast6 inches in height.</p> <p>The fuel in the spillover tank must be transported to the ground by the Use of proper drain linings. Drain lining could be a fuel line material or any pipe. Drain lining should be directed towards the ground with the rigid support of the frame with proper nylon ties.</p>			
5.4	<p><b>Chain Guard</b></p> <p>Every vehicle must be equipped with proper chain guard.</p> <p>It must be mounted rigidly to the frame and must not hinder with the moving chain and sprocket.</p>			
<b>REMARKS IF ANY</b>				

<b>Please fill</b>		
Sr. No.	Item	YES/NO(By Tech Inspector Only)
1	Preliminary Design Report	
2	Final Design Report	
3	Comparison of PDR and FDR	
4	List of all Purchased/ Ready made Parts	
5	List of Self Fabricated Parts	
6	Cost Report and Bills	
<b>Date of college level technical Inspection</b> <u>  /  /  </u>		<b>College Level-TI Status (OK/Not OK)</b>
<b>Signature of Faculty Advisor</b>		<b>Signature of Team Captain</b>
<b>Name of Final Round Tech Inspector</b>		
<b>Contact Number of College level Tech Inspector</b>		<b>Signature of Final Round Tech Inspector</b>

