

EVENT : TamilNadu Karting Championship 2023 Season 1

EVENT DESCRIPTION :

The Competition was organised by MECHNIDO and MSEED at PPG INSTITUTE OF TECHNOLOGY, and PROZONE PALMS, COIMBATORE during date 7- 9, March 2023. Only about 12 Teams was qualify in the competition as per the rulebook provided by the organizing team.

Day 1 started with the inauguration ceremony by lighting of lamp and a prayer after that the Officials gave us the information about the whole event. They explained there objectives behind the tnkc event e.t.c. After the inauguration ceremony the team meeting was held for the team members to discuss about the schedule for day one and the preparation for the technical inspection was done by the core members. As the technical inspection and Engineering design evaluation started one by one, we were the first team to pass the technical inspection. We presented the technical report like all calculations and analysis of components used in the gokart in engineering design evaluation report and hence the TI and EDE phase of tnkc completed. After the design reports presentation next round was dynamic round in which the test like braking and acceleration was carried out in which team hawks 9.5 cleared both the test in first attempt also achieved best acceleration runner award. As the braking and acceleration test was completed by whole teams, the team meeting was held again and the discussion about the next day was told by the captain to the team members with that day 1 ended. Day 2 Day 2 started with the team meeting in which captain informed the members about day two's schedule. At first the Business model and cost report presentation was presented by the business and static head Nainika Sathwane and team to the judge panel organised by tnkc organisers. The team presented the business model and cost report in such a way that the judges was continuously asking questions to the members and immediately the members were able to give the answer correctly the judges were happy about that. The business model presentation and cost report presentation was ended after remaining teams presentation. Now the time was for Autocross and skid pad test. The organiser were preparing the tracks for the following event. As we already knew the issue related to our gokart steering system we know that we won't be able to score good in autocross and skidpad test after 1st team cleared the autocross it was our time for the test the teams were given 2 chances to clear the following test whichever team completed the autocross within less time will be the winner of autocross and others score will be calculated on the least time taken to complete the autocross test. We failed to achieve the least timing or near to the least time to complete the autocross test just because the time required to adjust the steering was much less. The driver still tried harder to achieve the better timing. A lot of team were also struggling with the autocross test. After completing the autocross test teams were sent towards the next track that was skidpad test we also failed to achieve good timing in skidpad too. I learned a lot of things that day about steering system and various components that how they work and how can we maximize the performance by adjusting steering system. We were not happy with the results. As completing both the test by all the teams, teams photoshoot were carried out for tnkc and the day ended with team meeting.

Day 2 started with the team meeting in which captain informed the members about day two's schedule. At first the Business model and cost report presentation was presented by the business and static head Nainika Sathwane and team to the judge panel organised by tnkc organisers. The team presented the business model and cost report in such a way that the judges was continuously asking questions to the members and immediately the members were able to give the answer correctly the judges were happy about that. The business model presentation and cost report presentation was ended after remaining teams presentation. Now the time was for Autocross and skid pad test. The organiser were preparing the tracks for the following event. As we already knew the issue related to our gokart steering system we know that we won't be able to score good in autocross and skidpad test after 1st team cleared the autocross it was our time for the test the teams were given 2 chances to clear the following test whichever team completed the autocross within less time will be the winner of autocross and others score will be calculated on the least time taken to complete the autocross test. We failed to achieve the least timing or near to the least time to complete the autocross test just because the time required to adjust the steering was much less. The driver still tried harder to achieve the better timing. A lot of team were also struggling with the autocross test. After completing the autocross test teams were sent towards the next track that was skidpad test we also failed to achieve good timing in skidpad too. I learnd a lot of things that day about steering system and various components that how they work and how can we maximize the performance by adjusting steering system. We were not happy with the results. As completing both the test by all the teams, teams photoshoot were carried out for tnkc and the day ended with team meeting.



Day 3 started with team meeting we all were instructed to assemble to the PPG institute but due to some issues some team members was not able to reach on time. After assembly in PPG college we started preparing for the endurance test by adjusting steering so that the issues we faced won't happen during endurance test. We spent most of our time adjusting steering because we didn't get the time to adjust during practice session and manufacturing session. Without even testing the vehicle (due to tnkc rules) we were ready for the endurance test. We all were instructed to carry our vehicle to prozone mall in coimbatore near PPG college by the own transportation and the expenses will be provided to the team for transportation. We all assembled at Prozone mall. After assembly the meeting was held with captain and drivers to instruct the rules to the driver and to the captain. After the instructions the drivers was ready for pre endurance test in which the driver have to drive the gokart and complete 4 laps on track created for final endurance test by tnkc. The driver drove the gokart on track and after completing the pre endurance the groups were created of 3 karts for final endurance test in which the driver have to drive the gokart for specific time to attain maximum laps so that whichever team completed the maximum laps will be the winner of final endurance test. We were placed on the second group for endurance. In group 1, one gokart was able to complete 58 laps in given time which was maximum that day. A lot of teams were seen struggling a lot during endurance test and lot of components break down occurred still they tried there best to complete maximum laps even after breakdowns. After completion of first round it was our time for the final endurance race. Our driver drove the gokart perfectly without any interruption, there were some breakdowns in our gokart too but they were minor breakdown and didn't affect the gokart handling and overall performance. Our driver completed 48 laps in given time and was the 3rd driver to achieve that much of laps. There were a surprise award too for best sustainability in which whichever team had most remaining fuel on there kart will have it. After completing the final endurance round the 3rd and last round for 3rd group was started. After driving 48 laps the drivers and members took rest to complete final round. After completing all the rounds the it was time for music event organised by tnkc and after that the most awaited event that was award ceremony we won in 4 categories that's was 1. Best acceleration runner 2. Best sustainability 3. Team strategy 4. Best Innovation. In the event we saw lots of ups and downs but every time we never broke our hopes and tried the best we can do and our hardworking literally paid off. I really want to appreciate the team work shown by the team and will continue winning the awards for the team as well as for the college





List Of Participants

SR.NO	Name	Year	Position
1	Vedang Paralkar	4 th	Captain
2	Harshit Umale	4 th	Vice Captain
3	Om Jaikumar	4 th	Design Head
4	Ayush Narkhede	4 th	Powertrain Head
5	Rajat Gillurkar	4 th	Braking Head
6	Aryan Shinde	4 th	Steering Head
7	Gautam Shelke	4 th	Design Co-Head
8	Prathamesh Deshpande	4 th	Driver
9	Raj Kumbhare	4 th	Team Manager
10	Nainika Sathawane	4 th	Business & Statics Head
11	Gagan Loya	4 th	Innovation Head
12	Tanmay Ganjare	4 th	Member
13	Ankit Thakur	4 th	Member
14	Sakshi Barapatre	3 rd	Member
15	Tanuja kukde	3 rd	Member
16	Swajal Wasnik	3 rd	Member
17	Suhani Thakre	3 rd	Member
18	Soumya Agnihotri	3 rd	Member
19	Srushti Burele	3 rd	Member
20	Ruchita Thote	3 rd	Member
21	Tejaswini Maddipati	3 rd	Member
22	Ashlesha kolhe	3 rd	Member
23	Dheeraj Gajrani	3 rd	Member
24	Chetan Pise	3 rd	Member
25	Prajwal Dhale	3 rd	Member
26	Kaushal Mishra	3 rd	Member
27	Aryan Surkar	3 rd	Member
28	Kirtivardhan Khuspure	3 rd	Member