



ST. VINCENT PALLOTTI
COLLEGE OF ENGINEERING AND TECHNOLOGY
GAVASI MANAPUR, WARDHA ROAD, NAGPUR - 441108



TECHNEX'20

PRESENTS

OVERDRIVE 4.0

Race with the best or Run with the
rest...



EVENT DESCRIPTION

“More speed, more power with minimum time and perfection”

Design a manually controlled ROBOT that has capacity to cover maximum distance in shortest possible time, challenging the hurdles and be one of the best opponents.



DETAILS OF ROUNDS

❑ 1st Round :-

- *Two bots will compete at the same time.*
- *Winner will qualify for round 2.*
- *Timing of non-qualifying bots will be taken.*
- *Best 4 out of SLOPPY teams will also be allowed for round 2.*

❑ 2nd Round:-

- *In the second round the player has to cross the arena completely in minimum time.*
- *All the hurdles of the tracks will be STATIONARY.*
- *The bot will have to complete the whole track by earning maximum points to qualify elimination round.*
- *The time limit will be 8 minutes.*
- *Top 12 teams will qualify for Final Round.*

❑ FINAL ROUND:-

- *In the final round the bot will have to again complete the track but this time the track will contain STATIONARY as well as NON STATIONARY hurdles.*
- *Time limit will be there for this round and the bot has to complete the track with maximum obstacles cleared and minimum time to win the competition.*



RULES OF EVENT

- *Each team can have maximum four (4) members. Students from different institutes can form a team.*
- *Each member of the team must contain the identity card of his/her respected institute.*
- *Different teams will not be allowed to compete with the same bot.*
- *The robot should not damage the arena.*
- *Unethical behavior could lead to disqualification. Faculty coordinators have all the rights to take final decision for any matter during the event.*
- *Core team decision will be considered final.*

RULES OF EVENT

- *In first round randomly any two teams will compete each other. Only two hand touch is allowed. If more than two then team will be disqualified.*
- *In second and third round seven hand touches are allowed with penalty of 10 points for each hand touch, penalty time will be added further too overall time required by Robot for completion of specified round.*
- *If there is any odd number of team in the first round then they'll compete with sloppy team which hold minimum timing in first round but not qualified for second round.(5th sloppy team)*
- *Your robot must be ready when call is made for your team.*
- *Decision about your robot will be taken by the organizers.*

**Rules may subject to change.*

ROBOT & POWER SPECIFICATIONS

- *The maximum dimension of the robot can be 35*35cm (l x b).*
- *The robot may be wired or wireless.*
- *The length of the wire (for wired bots) should be long enough to cover the whole track and wire should remain slack during the complete run.*
- *Max. weight must not exceed 4kg.*
- *The power supply will be provided maximum up to 12 volt.*
- *Readymade toys car are not allowed.*
- *The machine must be powered electrically only. Use of IC engine is not allowed.*
- *Batteries must be sealed, immobilized electrolyte type (gel cell, lithium, NiCad, or dry cells). The electric voltage anywhere in the machine should not be more than 12V DC at any point of time.*

FIELD SPECIFICATIONS:

- *The track surface and course line may have unevenness.*
- *There will be certain obstacles in the race track which will try to slow down the robot.*
- *The design and size of the track may vary .*
- *Arena will consist of switch bridge, speed breakers, marble pit, slippery path, rotating ting disc, curve ramp down, seesaw etc.(track breadth is nearly 40cm,arena on the height of about 40cm from the ground.*



WORKSHOP DETAILS

- *Duration of workshop: 2 Days.*
- *Workshop Charges: Rs. 3400/ Group.*
- *Group: Max 4 Students/Group.*

BENEFITS TO PARTICIPANTS

- *Take Away Kit / Group*
- *Participation certificate of Workshop*
- *Handouts and training material.*
- *Chance to participate in **Technex'20** in event “**Overdrive**” and win exciting cash prizes.*

OVERDRIVE™

REGISTRATION DETAILS

- *Registration charges:- Rs.600/-*
- *Max 4 members per team*

PRIZE WORTH

✓ **50,000/-**

CONTACT DETAILS:-

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