



# TECHNOVA - 2018

## A NATIONAL LEVEL TECHNICAL EVENT

### ➤ PAPER PRESENTATION

#### RULES & REGULATIONS

1. The participant must be studying any undergraduate course from any recognized University.
2. Maximum two authors per paper.
3. Bring one hard copy as well as soft copy of paper as format.
4. First selection will be based on abstract. If you are selected on the basis of the abstract, you will get a call from us for the final presentation.
5. College I-card is mandatory.

#### Paper Format:

1. A4 size, max 12 pages including index and abstract of IEEE format.
2. Abstract should contain about 200-300 words
3. Font size should be 12 (Times New Roman)
4. The mail with submissions (along with abstract) should contain:
  - i. Title- theme of the paper.
  - ii. Name of both the Participants.
  - iii. Contact Number (What's app)
  - iv. Receipt Number
  - v. E-mail ID of both of the participants

**Topic: Any Technical or Non-Technical Topics**

### ➤ Model Making

#### RULES & REGULATIONS

1. Max 2 Participant /team
2. Organizers will provide all required materials ( Pop stick, fevicol)
3. Model Should Be As Per Specification (Strictly)
4. Load will be applied on the Model until it's Failure.
5. Decision taken by Judges will be final.
6. Time Limit – 4 Hrs

### ➤ Town Planning

#### RULES & REGULATIONS

1. Max 2 student/ team
2. Sheet will Provided
3. Size of Sheet – Full Imperial
4. Time limit = 4 hrs  
Plan a town along with Report

### ➤ Auto-CAD & CATIA Race

#### RULES & REGULATIONS

1. Only one entry per student is allowed.
2. The event will be conducted in single rounds
3. Max. Time given is 30 minutes to complete drawing
4. The rules may be subjected to change according to circumstances and decisions.
5. Drawing has to be completed by using Auto-CAD 2012 & CATIA V5 tool

#### SCORING/EVALUATION:

Judges will review the drawing, and they will award points based on

- Completeness of drawing
- Accuracy
- Dimensioning and labeling
- Drawing skills
- Time taken

### ➤ Programming Contest

#### RULES & REGULATIONS

1. Individual Entry
2. Three Rounds

#### Round I- Technical Aptitude

- 30 Ques – 30 Marks – 30 min
- Ques based on basic concept of PL
- 15 participants selected for next round

#### Round II – Blind Screen Test (C / C++)

- Time – 3 min Codes + 2 min error correction
- 10 participants will be selected for final round

#### Round III - Final Round

- Implementation in Java / C++/C
- Max time – 2 hrs

#### 3. Evaluation

- Time required for complete execution
- Completeness
- Correctness
- Logic / Algorithm
- Number of lines of code
- Documentation & Comments in Program

### ➤ TECHNO-MECH-WAR

#### (Mechanical)

#### Rules:

#### **Three Rounds:**

#### **Round 1 :**

Aptitude on General Knowledge

#### **Round 2:**

Debate

#### **Round 3:-**

Technical & Non-Technical Quiz

- Questions will be based on syllabus of Mechanical Engineering.
- College ID card is mandatory

### ➤ FIELD STAR

#### RULES & REGULATIONS

1. Measure the distance without using any instrument.
2. Distance to be measured may be horizontal or vertical.
3. Time limit- 2 min

### ➤ Automotive Clay Modeling

#### RULES & REGULATIONS

1. Structures should belongs to Automotive / Mechanical Engg
2. Max 2 participants are allowed in a group.
3. Max time allotted- 2 Hrs
4. Clay will be provided
5. Participants have to carry their own tools for finishing the model
6. Specifications of models & other rules will be announced at the event.

### ➤ Web Era

#### RULES & REGULATIONS

1. Maximum two students in a group
2. Select the topic of your choice for web site development
3. With the help of Information available on internet prepare the web site
4. First Round Maximum time 1 hr after that based on Judge's decision Three groups will be selected for Final Round

### ➤ MOCK PLACEMENT

#### RULES & REGULATIONS

Max two students per group.

The quiz will be held in three rounds.

#### **1-Round:WrittenTest(Aptitude)**

written elimination round with the top teams getting to participate in the final

#### **2-Round : GD**

On the basis of merit they go for final round.

#### **Final round: PI.**

The decision of quiz master will be final and binding.

The entries are restricted to students currently pursuing education in recognized institutes.

Students from different colleges can form a single team.

### ➤ ROBORACE

#### Rules:

1. Max 2 Participant /team
2. The potential difference between any two points should not be exceeding the limit of 12V.
3. If robot suddenly stops in the arena due to any technical problem, it will be disqualified.
4. Robot should not damage any part of arena in case it does so it will be disqualified.
5. **Note:** The ROBO must not be made of READY-MADE materials, if it is so ROBO will be disqualified

#### ARENA

- Track width is 30cm.
- Arena will consist of Slopes, speed breakers, marble pits, slippery path, curve ramp down, hanging bridge, sea-saw, slotted ramp, Stones, Rotating disc etc.
- Wire should remain slack under all circumstances during the competition. Wire should be properly insulated and stacked.

#### **Robo specification:**

1. Robo Size – 30\*30\*30
2. Weight :- 2.5kgs
3. Distance Between two wheels : more than 12 cm (Along Width )
4. Maximum voltage : 15 Volt
5. Wire length : 6 meter (minimum)

### Special Attraction

### **FUN GAMES**

#### **Slow Biking**

#### **RC Racing**

#### **Box Cricket(Max 8 participants/team)\***

#### **5A side Football (Max 8 participants/team)\***

\* Participants should be from Engineering/  
Polytechnic College



Dr D Y Patil Educational Enterprises Charitable Trust's  
**Dr D Y PATIL SCHOOL OF ENGINEERING & TECHNOLOGY**  
 Dr D Y Patil Knowledge City, Charholi (Bk.), Via. Lohgaon, Pune – 412 105

**20 & 21  
 MARCH 2018**

# TECHNOVA - 2018

**A NATIONAL LEVEL TECHNICAL EVENT**

## ➤ Poster Presentation

### TOPIC

Any Technical Or Non-Technical Topics

### RULES & REGULATIONS

1. A maximum 2 member allowed per team (Individual participation accepted)
2. Poster size should be A2 Size
3. The poster can be handmade (70%) and printed material up to (30%).
4. Poster should be self-introductory of
  - Abstract
  - Introduction
  - Merits
  - Demerits
  - Application
  - Conclusion
  - Future scope
5. The name of author should appear at bottom right side of the poster.
6. Presentation time:-7 Min (5 min Presentation +2 min Queries)

## ➤ Project Exhibition

### RULES & REGULATIONS

1. Max. of 4 members / Team
2. You may explain your Project with help of Chart or Power point Presentation which contain
  - Introduction of project
  - Working Diagram/ model
  - Working Principle
  - Advantages
  - Disadvantages
  - Future Scope

## ➤ Computer Gaming

### COUNTER STRIKE 1.6

1. Maximum four players are allowed per team.
2. A person can play in only one team. If this rule is violated, team will be disqualified.
3. Coordinator's decision will be final.

## ➤ Concrete Cube Testing

1. To prepare concrete Mix design of **M30** to give 80% strength after 7 days curing
2. At the day of event concrete cube should have age of **8 days**.
3. The concrete should be made with natural ingredients (without admixture) & using eco-friendly material without reinforcement of fibers & admixtures.
4. For concrete mix design adopt only **IS method**. ( Use IS 10262-2009).
5. Casting of cubes & curing should be done in concrete technology laboratory of Participants College only.
6. Participants must bring design sheet at the time of cube testing signed by head of dept. & concerned faculty along with the photograph date & venue of casting of cubes.
7. In mix design sheet, details of step y step calculations are required with clear calculation of any other material used. The sheet should be signed by HoD & the concerned staff.
8. The given strength should not be less than or equal to 24mPa (i.e. 80%)

## ➤ Automotive Mechanism Model Making

1. Maximum two participants per group
2. Student has to bring handmade of any mechanism working model
3. Has to prepare presentation regarding model
4. Decision taken by judges will be final.

## Mobile Gaming - Mini Militia

1. App will provided by coordinators
2. Max- 4 Players per team

On the spot Registration on both days starts at 09:15am

### Inauguration – Technova 2018

Venue: Auditorium , Time : 10:00am-11:00am

Day 1- Tuesday, 20<sup>th</sup> March 2018

Day 2- Wednesday , 21<sup>st</sup> March 2018

Event Name	Time	Entry Fee	Event Name	Time	Entry Fee
5A side Football	09:00am	400	Project Exhibition	10:00am	100
Box Cricket	09:00am	400	Auto CAD Race	11:00am	50
RC Racing	11:00am	200	Field Star	11:00am	50
Computer Gaming- Counter Strike	11:00am	200	Programming Contest- Blind coding	10:00am	50
Robo Race	11:00am	100	Concrete Cube Testing	10:00am	100
Automotive Clay Modelling	10:00am	100	Automotive Mechanism Model Making	10:00am	50
Poster Presentation	11:00 am	50	Web Era	10:00am	50
Model Making	10:00 am	100	Mock Placement	10:00am	50
Town Planning	11:00 am	50	Slow Biking	11:00am	50
CATIA Race	10:00am	50	Mini Militia	10:00am	150
Paper Presentation	11:00 am	50	<b>Prize Distribution</b> Venue: Auditorium, Time: 02:30pm		
Techno MECH-WAR	10:00am	50			

### General Rules:

1. Participants from different branches / Colleges can form a team
2. Students must carry their College ID card and Registration slips
3. Participation Certificate will provided to all
4. Participant are requested to assemble at **09:30 am** and report for event
5. Student can register for multiple events but they should make sure that their event timing do not clash
6. Coordinators can participates in other events except the event He/She is coordinating

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

[www.facebook.com/ Technova](http://www.facebook.com/Technova)

[www.eventbeep.com](http://www.eventbeep.com)

**For Registration & More Details, Contact Us**

### Student Organizing Committee

Mr. Sumedh Ohal (Mech)- 8446971046  
 Mr. Dinesh Patil (Civil)- 9767669965  
 Mr. Deepak Bhat (Auto)- 7757911366

Mr. Yash Gupta (Comp)- 8983401962  
 Mr.Pratik Subhedar (E&Tc)- 9765218699

### Faculty Organizing Committee

Prof. M.V Ambalagi (Mech) (Convenor-2018)-  
 09590361626 / 8600261316  
 Prof. P.R Khare (Civil)- 9730941567  
 Prof. D.V Gundre (Auto)- 8600393990

Prof. Kirti Panmand (Comp)-9225546333  
 Prof. Vishal Katekar (E&Tc)- 8888805750  
 Prof. Tanaji Thorat (FE)- 9595524858