

## ***RULES & REGULATIONS SHODH 2018***

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### **Department – Civil Engineering Department**

#### **Event – 1. Paper Presentation (*PRASTUTI*)**

- A maximum of 02 Nos. authors are allowed per paper. Every participant will have to make an Oral Presentation based on accepted paper.
- The paper must in standard **IEEE** double column format.
- Participants should bring the soft copy of paper in said format along with hard copy.
- Participants should bring PPT presentation of the paper.
- Topics for Paper Presentation should be related to **CIVIL ENGINEERING** only.
- Time: 10 mins. (for Presentation)  
5 mins. (for Questioning)

#### **Event – 2. Poster Presentation (*PRADARSHAN*)**

- One panel is available for display of each poster. If it comfortably within the poster frame. Posters must not exceed 36 inches wide x 48 inches high with 1” margin on all sides.
- Electrical outlets will not be provided in the poster presentation area.
- Poster should be readable from a distance of 6feet (2metres).
- The poster should self-explanatory.
- Neither commercial activities nor any advertising may be display on the posters.

#### **TOPIC FOR POSTER PRESENTATION:-**

- Smart City
- Make In India

## **Event – 3. Project / Model Competition (PRAKALP)**

- Project subject must be related to Civil Engineering.
- Maximum 4 (minimum 1) participants per group.
- You must submit your hardcopy on the day of event.
- An abstract not more than 500 words should be submitted.
- Participants will be provided only one table and one electricity connection socket.
- It should contain all the measure details of the project.
- PPT presentation of project is compulsory.
- Time limit for presentation is 15 minutes.

## **Event – 4. Floating Structure**

### **Rules of Round 1**

- 1st Round will be start on day-1 at 11.00 am.
- Number of Participants in each Group :-4
- Material Provided for each Group (Round 1):- 9 cups, 15 straws, cutter and cello tape
- Time for making structure is 2 hours.
- Students who do not complete the structure within 2 hours will be disqualified directly.
- Only 10 groups will be eligible for the next round.

**Entry fee- 200/-**

### **Rules of Round 2**

- 2nd Round will be start on day-2 at 10.00 am.
- Material Provided for each Group (Round 2):- 14 cups, 20 straws, cutter and cello tape
- Time for making structure is 2 hours.
- Students who do not complete the structure within 2 hours will be disqualified directly.

## **Event – 5. TOWN PLANNING (NAGARYOJANA)**

- A1 sheet will be provided to participant. You need to plan ‘SMART CITY’ of area  $8*8\text{km}=64\text{sq.m}$  using your own ideas.
- There should be a group of maximum 4 people.
- A1 size sheet, pencil, eraser, scale, rounder, etc. will be provided.
- Time span will be of 4hrs.
- Spot entries are allowed.

## **Event – 6. BRIDGE MAKING (SETU)**

### **Bridge Size**

- Span for the bridge should be exactly 45cm.
- Bottom width of the bridge must be 10cm.
- Height of the bridge must be 10cm.
- Participants must bring their completed bridge at the time of competition.
- Bridge structure must be in purely in trust force.
- If any structure found not as per rules then it will be disqualified.

### **Material Specification**

- ❖ Use only white adhesive (such as fevicol –MR) and Popsicle sticks (also known as pop sticks or ice-cream sticks). If use of any other material is noticed then structure will not be consider for competition.
- ❖ Material will not be provided by co-ordinate it has to be purchased by participants itself.

### **Loading**

- ❖ Load will be applied at center of the bridge with the help of wire. Magnitude of the loading must be decided by the participants of the time of the competition.
- ❖ Three chances will be given to the participants to decide amount of loading.
- ❖ That means three different amounts of load (selected by participant) can be applied on the bridge.

- ❖ The bridge should take load at least for 10 sec.
- ❖ If any member of the bridge broken while loading then bridge will be consider as failed. In such circumstances earlier load taken by the structure will be consider as SAFE LOAD CARRING CAPACITY.

### **Support Condition**

- Support to the bridge deck will be provided at the time of competition by coordinators.

### **Winning Criteria**

- Ratio of safe load carrying capacity to self weight will be calculated participants having highest ratio will be the Winner of the competition.
- Judge's decision will be the final decision.

### **Registration**

- ❖ Maximum 2 participants per group.

## **Event – 7. CREATIVE MODELLING (NAVANIRMITI)**

### **MATERIALS PROVIDED:-**

- Cards (3 packets per group)
- Stapler
- Fevicol
- Gelatin paper (red, green, blue, yellow)
- Cutter etc.

### **RULES & REGULATIONS:-**

- By using minimum cards construct dome like structure
- Structure should be light weight
- Wining criteria is based on :
  1. Maximum diameter
  2. Height
  3. Aesthetic view

### **REGISTRATION:-**

- Maximum 3 participants per group.

## **Event – 8. ESTATE WAR**

‘SHODH 2018’ is a national level technical festival of Gharda Institute of Technology, Lavel hosts one of the most interesting even named as ‘ESTATE WAR’. Participating students can enhance their planning and management skills.

### **Eligibility:**

Any engineering student can participate and can take advice of expert.

### **Rules and regulations:**

1. A pre-planned town map will be given by co-ordinators showing 10 plots to be auctioned.
2. The participant will be provide budget amount (virtual) of Rs.1 crore in which participant have to buy the plot and develop the same.
3. Selection of plot will be auction based.
4. All the details will be sent via email to the participants registered email id.
5. Based on the details participant have to plan a project which will be presented in front of judges. Project can be model, plan, drawing and presentation.
6. Plan should be according to rules and regulations of planning given by government. For example: side margin for residential building should be 3m.
7. Judges are professional builders.
8. Maximum number of participants per group= 4

### **Details provided:**

1. Town map with locations of the 10 plots to be auctioned
2. FSI
3. Soil properties and condition
4. Area

### **Winning Criteria:**

1. Judges decision based on presentation, perfect planning, profit margin.

**NOTE: Above any rules can be changed or modified by co-ordinators without any priornotice.**

**Judges decision will be final.**

<b>Sr.No</b>	<b>Name of Event</b>	<b>Faculty Coordinator</b>	<b>Student Coordinator</b>	<b>Mob. No</b>
<b>1</b>	Paper Presentation	Prof. A D Bhosale	<b>Vaibhav Patil (BE)</b>	9167655917
<b>2</b>	Poster Presentation	Prof. Y R Kulkarni	<b>Akshay Nikam (BE)</b>	9545355106
<b>3</b>	Project Exhibition	Prof. R I Hujare	<b>Shubham Bhosale(BE)</b>	8788203500
<b>4</b>	Bridge Structure	Prof. V D Kamble	<b>Tejraj Hatankar(BE)</b>	8446595440
<b>5</b>	Town Planning	Prof. V S Jadhav	<b>Amol More(BE)</b>	9823791451
<b>6</b>	Creative Modeling	Prof. S S Gujarathi	<b>Omkar Jadhav(BE)</b>	9130186465
<b>7</b>	Floating Structure	Prof. S S Patil	<b>Vaibhav Ambokar(BE)</b>	8793896036
<b>8</b>	Estate War	Prof. V R Kasar	<b>Karishma Madav(BE)</b>	8888708277

**NOTE: \*\* indicates Student Main Coordinator for their respective Event**