Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Approved by AICTE, New Delhi, DTE, Government of Maharashtra And
Affiliated to University of Mumbai

CIVIL ENGINEERING STUDENTS ASSOCIATION

The CESA VIVA-TECH successfully organized the Inter collegiate Technical Festival Techchase-2017 on 6th & 7th of October 2017.Techchase was inaugurated by Principal Dr. Arun Kumar. Management members & the director, Mr. Hiresh Lohar of Vishnu Waman Thakur Charitable Trust graced the occasion.

The team CESA worked very successfully. We got very good response from all civil students. All Faculty and President of CESA helped everyone to accomplish the task and entire team was inspired by our chairman. Our publicity team worked excellent they worked very hard for publicity and we got great response. Purchase team worked very well and They provided each an everything on time and thus we did our work very well.

Everyone was very energetic and the main role of treasurer and accountant did their work in proper manner. The team behind all this was our creativity team. Their ideas were rocking and very helpful. Especially Our taskforce & CESA Members helped us a lot. Because of all them we carried out this event successfully.

The following were the events which we organized.

1. BRAIN STORMING
2. BRIDGE - O - MANIA
3. POWER TOWER
4. BALANCE ME
5. BOB THE BUILDER

Each event organized had technical side of it. Prizes were distributed to the winners and participants got a certificate.

1. BRAIN STORMING :

Description:

- Multiple technical task is involved in these rounds.
- Team upon completion of task moves to next rounds.
- Fastest one to clear the round wins.

TECHNICAL OUTCOMES:

Students will be able to understand following concepts:

- Using available knowledge in civil engineering for problem solving.

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● Development of faster reflexes and teamwork skills.

2. BRIDGE - O - MANIA.

Description:

- A bridge structure is to be constructed. It can be suspended and It has to sustain the loads.
- Participant can build any type of bridge. Structure should bare minimum load of 3 kg. Effective span of bridge should be 1m.

TECHNICAL OUTCOMES:

Students will be able to understand following concepts:

- Structure of truss bridges and suspension bridges.
- Load distribution over the bridge.
- Design of bridge for maximum stability.
- Design of bridge for maximum safe loading.

3. POWER TOWER.

Description:

● This event is based on height of model and Stability.

● Starting from the base of the design. The Structure should be strong and tall Enough to stand free and resist the wind flow.

TECHNICAL OUTCOMES:

Students will be able to understand following concept:

- Load distribution in case of steel lowers.
- Connection and basic components of steel structure .
- Concept of mimiature model.

4. BALANCE ME.

Description:

● It is an event where student have built a stable structure. ● Only geometrical shapes are allowed.

● Structure should be balanced.

TECHNICAL OUTCOMES:

Students will be able to understand following concepts:

- Wind force and wind resistance.
- Land distribution.

5. BOB THE BUILDER.

Description:

● G+1 bungalow is to be constructed in the app provided.

● One can create or design bungalow as per their imagination. ● Using **MINE CRAFT** app.

● 1 hour will be provided for the design and setting will be provided which should be followed.

● Bungalow should be planned as per the principles of BUILDING DESIGN and PLANNING.

● Aesthetical view is important factor in this.

● Only mobile will be used for this event.

TECHNICAL OUTCOMES:

Students will be able to understand following concepts:

- Design of G+1 structure .
- Aesthetic design and elegance.
- Principle of planning for residential structure.

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