

Navier Buzz (Institutional Level)

Date: 29.03.2019

Venue: Student Park

Prize:

- 1st Prize – 7000
- 2nd Prize – 4000
- 3rd Prize – 1500

Organising Team: C-Helix

Description:

Have you ever think how a huge weight of ship can float on the water? Have you ever look at the shape of that bewilder creation? We are here to test your observation and analytical skill to give a perfect shape to a ship model. TEAM C-HELIX is here to give you a chance to design a ship model which can balance itself on the surface of water under a maximum load.

Rules:

- ☐ You will get cardboard to make your presumed design of the ship.
- ☐ You would be given 1 hour to complete the task.
- ☐ The students should form teams comprising of maximum 4 members and min. 3 members.
- ☐ You can give any shape to the boat as per your convenience and according to your calculated & estimated design.
- ☐ Winners will be selected on the basis of load bearing capacity of the ship model.
- ☐ Organizer hold all right to change any or all the above rules as they deem fit.

For more details: <https://goo.gl/dX6vm8>

Contact Information:

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Conquer-CT (Departmental Level)

Date: 30.03.2019

Venue: Civil Engineering Department Lawn

Prize:

- 1st Prize – 3000
- 2nd Prize – 2000
- 3rd Prize – 1000

Organising Team: C-Helix

Description:

Marble has been used in the construction industry for a long time. The processing of marble leaves behind a waste at quarry or at the sizing industry generally left unattended. This waste has reached as high as millions of tons. The utilization of waste marble slurry as an additive in industrial concrete brick production has been the main objective. Adding marble slurry to concrete increases its compressive strength as well as flexural tensile strength.

Marble slurry wastes were collected from marble processing units in Rajasthan area, India and concrete blocks were prepared with varying proportion of cement, sand and marble dust. In this way the utilization of a waste product in construction industry is achieved.

Rules:

- ☐ Block having maximum compressive strength will be declared as winner.
- ☐ All the teams will be provided with cement, sand and aggregate in suitable quantities enough to cast a cube of 15*15*15cm.
- ☐ The students should form teams comprising of maximum 5 members and min. 4 members.
- ☐ They will be provided with marble slurry to a maximum of 1200gm for the replacement of cement in the concrete.
- ☐ Organizer hold all right to change any or all the above rules as they deem fit.

For more details: <https://bit.ly/2VLJTaN>

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Beat the Wind (Departmental Level)

Date: 31.03.2019

Venue: Civil Engineering Department

Prize:

- 1st Prize – 4000
- 2nd Prize – 2000
- 3rd Prize – 1000

Organising Team: C-Helix

Description:

You must have seen trees swaying in storm, but have you ever seen a building or tower sway. Nature challenges civil engineers at each and every point. One of them is wind. Being one of the most powerful forces in nature, strong winds can uproot trees, blow over roofs and cause many other severe damages. So, are you ready to “Beat the Wind” in the upcoming competition?? If yes, then fasten your harness while you are clinging to this competition. Prove to the world your caliber make buildings which do not have any fear of wind.

Rules:

- ☐ The structure height should be 30cm (+/-2cm)
- ☐ Base dimension should be 20cm*20cm.
- ☐ The students should form teams comprising of maximum 5 members and min. 3 members.
- ☐ Dimension should not exceed the prescribed value.
- ☐ No additional item should be attached to increase the strength of the structure.
- ☐ No extra material will be given to the team.
- ☐ Organizer hold all right to change any or all the above rules as they deem fit.

For more details: <https://goo.gl/5h69eu>

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Bridge-CT (Preparatory Event)

Date: 25.03.2019

Venue: Civil Engineering Department

Prize:

1st Prize – 3000

2nd Prize – 2000

3rd Prize – 1000

Organising Team: C-Helix

Description:

Technology in construction comes with devising innovative new ways of construction and whilst changing the future of construction is largely unknown. This time C-Helix brings upon the problem acquired from bridge having non-linear decks supported by cables.

Rules:

- ☐ The bridge must be within height 40-50cm.
- ☐ The maximum width of the bridge deck should be 22cm
- ☐ The students should form teams comprising of maximum 4 members and min. 2 members.
- ☐ The bridge must have only two piers and the span length must be 55-60cm.
- ☐ Once the structure is measured you are not permitted to change the structure.
- ☐ In case that any of these requirements are not met, the team has been disqualified.
- ☐ Organizer hold all right to change any or all the above rules as they deem fit.

For more details: <https://goo.gl/i6cPog>

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Con-Quiz-Er (Online Event)

Date: 12.03.2019

Venue: Online Event

Prize:

1st Prize – 2000

2nd Prize – 1500

Organising Team: C-Helix

Description:

It is an online quiz event. You just need to choose answer for some interesting and tricky questions.

Rules:

- ☐ First you are supposed to login on the given link.
- ☐ There will be questions from all genres.
- ☐ A specific time limit will be given to you.
- ☐ Points will be awarded based on maximum correct answer.
- ☐ Multiple logins from same entry will be discarded.
- ☐ Correct answers will be uploaded before next day.
- ☐ Organizer hold all right to change any or all the above rules as they deem fit.

For more details:

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