BRIDGE BATTLE

# Format

## Prelims :

A written round consisting of questions based on bridge construction problems, statements and technical with a duration of 45 minutes.

## Finals :

The final round will be the model construction with a duration of 4 hours.

# Event Description

## PRELIMS:

In Prelims, the participant’s basic knowledge on the below mentioned subjects will be tested.

❖ Preliminary round which involves a questionnaire related to Structural Analysis, Soil Mechanics, RCC(Reinforced Cement and Concrete), Highways, Hydraulics and Hydrology and Construction techniques & practices.

❖ A team of maximum 3 members not necessarily from the same college can take part in the event.

❖ If there is tie between 2 or more teams the evaluation will be based upon \* (Star) question. A team which has the maximum number of star questions will be given priority.

❖ If there is a tie in the \* (Star) question, the evaluation will be based on the marks obtained in each section in the following order of priority:

1) Structural Analysis

2) RCC

3) Construction techniques & practices

4) Soil Mechanics

❖ The prelims shall be conducted for maximum time period of 2.30 hours.

❖ The top 5or 6 participants qualify to finals.

## FINALS:

In this round the participant’s deep knowledge in Structural Analysis and RCC will be tested by asking them to construct a bridge model.

❖ The participants have to make a model based on the problem statement which will be provided on spot.

❖ The model will be tested for Structural parameters and aesthetics of the structure.

# RULES:

## PRELIMS

❖ A team of maximum 4 participants are allowed either from same college or even different college.

❖ Do not use mobile phones. The team will be disqualified in case

of any malpractices.

❖ ‘\*’ (STAR) Questions will be used for tie-breaks.

## FINALS

❖ The model must be completed within the given time.

❖ Only the materials provided must be used.

❖ In case of any discrepancies, the decision taken by the Judges

and organisers will be finals.

NOTE:

College ID and Civilization ID (will be provided) is mandatory.