**Technical Events**

**ACROPOLIS**

“Acropolis, where tradition meets innovation.”

From skylines to shorelines, one thing remains common and that is ‘transportation’. This year ‘Acropolis’, an event under Civilisation’20 is the event to be at if you’re a Highway Engineering geek or aspire to inculcate an interest in the same.

**FORMAT**

**PRELIMS:**

* A team of 2 or 3 members are allowed.
* The prelims will contain a set of 25 questions.
* Questions will be from Highway Engineering.
* Time allowed is 30 minutes.
* ‘\*’ (STAR) questions will be used for tie breaks.

**FINALS**:

* Final round will be informed on spot.

**RULES:**

* College ID and Civilisation ID (will be provided) are mandatory.
* The team will be disqualified in case of any discrepancies.
* Use of mobile phones is strictly prohibited.

**CONTACT:**

IYYAPPAN - 9344541455

RISHANTH – 9626323380

**ARCHIBUILDO**

“Scientists investigate that which already is; Engineers create that which has never been.”

-Albert Einstein

Waiting for a chance to showcase your talents? Are you an expert in detailing the smallest parts with the greatest efforts? Everything is designed and a few things are designed well. Here we provide a golden opportunity to test your technical and practical knowledge in Civil Engineering, to improvise the existing, and to create the unexpected.

**FORMAT**

**PRELIMS: (Duration - 30 min)**

* A set of 25 questions will be given.
* The top 5 teams will be qualified for finals.

**FINALS: (Duration - 2 hrs.)**

* The selected teams will be given a question statement of arch design and each team will be asked to do the model of arch.
* Materials will be provided at the venue.
* Completed arch will be subjected to the load testing and it will be evaluated based on the strength and aesthetics.

**RULES:**

* A team can consist of at most 2 or 3 participants.
* Mobile phones are not allowed and calculators can be brought.
* Decision made by the Judges will be final.
* College ID and Civilisation ID (will be provided) are mandatory.

**CONTACT:**

NAGASUDHA - 8870079669

RAVEENA - 9994131030

**BOB THE BUILDER**

“Trials teach us what we are; they dig up the soil and let us see what we are made of.”

-Charles Spurgeon

Soil Mechanics is an art of Science and Engineering. The observation of the performance of soil is an essential part of any construction not only in the laboratory but also in the field.

Are you a genius in Mechanics of Soil and Hydraulics?

Can you build a model engrained with deep knowledge of it?

Come and exhibit your skills in making the model!

**FORMAT**

**PRELIMS:**

* A team of 2 or 3 members are allowed.
* Participants are requested to bring their own calculators.
* The questionnaire consists of 25 questions.
* Allocated time for answering the questions is 30 minutes.
* If there is tie between 2 or more teams the evaluation will be based upon the \*(Star) question. A team which has correctly answered 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. Soil Mechanics
2. Structural Analysis
3. Concrete Structures
4. Hydraulics
5. Construction Techniques & Practices

**FINALS:**

* Participants have to make a model of a water retaining structure based on the problem statement.
* 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 Organizers will be final.

# RULES:

* It is a dual day event.
* A team can have maximum 3 participants per team.
* College ID and Civilisation ID (will be provided) are mandatory.
* Decision by Judges is final.
* Use of mobile phones is strictly prohibited.

**CONTACT:**

AARTHI - 9677173008

AZHAGURANI - 7826941902

LOGAPRIYA - 7395976262

**BREAKER OF CODES**

“No solution can ever be found by running in three different directions.”

* Deepak Chopra

Excited seeing the title? Don’t fantasize. You are no techie. Ever thought that you’ve mastered the IS code?

Do you think you don’t need an IS code book to solve? Prove your worth here. Break the code and stride towards glory!

**FORMAT**

**PRELIMS:**

* It is a pen and paper based round where 30 questions will be asked.
* Each team will be given a set of questions with and without choices.
* The top 5 teams will be selected for the finals.

**FINALS:**

* The final round will be given a design problem.
* Judge’s decision will be final.

**RULES**:

* College ID and Civilisation ID (will be provided) are mandatory.
* Use of mobile phones is strictly prohibited.
* A team can have a maximum of three participants.

**CONTACT:**

NIVETHA - 8523942242

JAYA - 8825997415

MERLIN SINDHIYA - 7397329357

**BRIDGE BATTLE**

“Bridges take people across rivers. Leaders take people across ignorance. With a leader, the destination of a journey is sure.”

- Israelmore Ayivor

Put your profound learning in the Civil Engineering core subjects to test. Further, this event also gives you the opportunity to bring your envisioned ideas of your ideal bridge to reality by allowing you to construct a model of the same! Participate in this event and discover your potential!

**FORMAT**

## **PRELIMS:**

* A written round consisting of questions based on bridge construction problems, statements and technical with a duration of 45 minutes.
* 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 5 or 6 participants qualify to finals.

## **FINALS:**

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

* 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.
* 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 Organizers will be finals.

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

## **CONTACT:**

RANJITH - 9080202112

SARANYA - 9790599293

**CONFLOAT**

“One must explore deep and believe the incredible to find the new particles of truth floating in an ocean of insignificance” -Joseph Conrad

Ever wondered how to excel in your field? Make your vision a reality. This is an event where you can put together ideas and bring them into existence. Witness imagination and truth collide. Come and make your presence felt!

**RULES:**

* Each team should consist of two to three members only.
* Participants should carry their College ID card and Civilisation ID card (will be provided) is mandatory.
* The abstract should be attested by the Head of the Department of your college.
* The soft copy of abstract should be submitted to confloat.c20@gmail.com on or before March 1, 2020. The participants should bring the hard copy on the day of event.
* The specimen should strictly adhere to the submitted abstract.
* The density of the concrete should be less than 1800 kg/m3.
* The decision of Judges and Organizing committee will be final.
* Use of admixtures is allowed. Use of asbestos sheet and cardboard will lead to elimination.

**FORMAT:**

**STAGE 1:**

* Registration for the event is done through the mail ID: confloat.c20@gmail.com with preparing a detailed report on or before March 1 and confirmation mail will be received.
* Release of the problem statement.
* Designing the mix and casting the concrete structure (in the shape of boat) that can actually float in water within the specified restrictions.
* The constituents should be cement, sand, water, and admixture, wire mesh (type and material can be decided by the participants).
* (NOTE: The participants will be selected to the next stage based on their abstract)

**STAGE 2:**

* Bring the cast concrete structure to our college during CIVILISATION-20.
* Density, Floating capability, Strength, Appearance of the block will be tested.
* Submitted design reports would be evaluated and the teams will be asked to give a brief oral presentation of their work upon which they will be questioned.
* Points would be awarded according to the judging criteria and winners will be announced.

**CONTACT:**

DEVI - 9865621187

GOKUL PRIYA - 8675790587

**CRACK THE CAUSE**

“Everyonehas two eyes but no one has the same view”

- Anonymous

Thinking is more interesting than knowing, but less interesting than looking. Don’t just look, think and find the reason behind it. Yes, you read it right, just find the reason. Sounds easy, doesn’t it? Come and try your luck.

**FORMAT**

* Set of 20 questions will be given.
* Duration: 30 minutes.
* The top 10 teams will be selected for the Second round.

**RULES:**

* A team can have 2 participants per team.
* Use of mobile is prohibited.
* Decision taken by the judges is final.
* College ID and Civilisation ID (will be provided) is mandatory.

**CONTACT:**

AARTHI - 9677173008

AZHAGURANI - 7826941902

LOGAPRIYA - 7395976262

**ECO QUIZ**

“Earth provides enough to satisfy every man's needs, but not every man's greed” –

Mahatma Gandhi

**‘Mother Nature’** is the real comrade who makes our very existence possible. She will be able to serve us only if we protect her. What have we given back to her?

It's time for all the nature lovers out there to brush up your knowledge about nature and come take part in the eco quiz in Civilisation 2020!

**PRELIMS:**

* This is a paper and pen round.
* Set of questions will be given with multiple choice.
* Duration: 30 min.
* Top 10 teams will be selected for finals.

**FINALS:**

* This is a paper and pen round.
* Set of questions will be given relevant to environmental issues.
* Based on the performance, winner will be selected.

**RULES:**

* Mobile phone is not allowed.
* College ID and Civilisation ID (will be provided) is mandatory.
* A group can have at most 2 members.
* There will be negative marks.
* Everyone should bring a calculator.

**CONTACT**:

DINESH - 88256 22680

KARTHICK - 90806 03001

KIRUTHIKA - 73730 15319

**GEOWIZ**

“Soil is an almost magical substance, a living system that transforms the materials it encounters” – George Monbiot

Want to test your knowledge in Soil Mechanics and Pavement Designing? Here is an opportunity to showcase your expertise.

There are a number of properties of soil, which have to be considered during pavement construction and construction of buildings. In this event you will be able to design the pavements as per IRC standards.

If you are fascinated by the peerless properties of soil, attend this technical quiz.

**PRELIMS:**

* The prelims will contain a set of 25 questions for which a time of 30 minutes will be given.
* The questions will be from the subjects, Soil Mechanics and Highway Engineering.
* ‘\*’ (STAR) questions will be used for tie breaks.
* Top 3 teams will be qualified for finals.

**FINALS:**

* The participants will be asked to design a Flexible pavement for the given problem statement as per the IRC standards.

**RULES:**

* College ID and Civilisation ID (will be provided) are mandatory.
* Minimum of 2 participants and maximum of 4 participants must be in a team.
* Judge’s decision will be final and binding.
* The team will be disqualified in case of any discrepancies.
* Participants are requested to bring calculators.
* Use of mobile phones is strictly prohibited.

**CONTACT:**

MAHARANI - 9944630408

MANOJ - 7358893690

**PAPER PRESENTATION**

“The success of your presentation will be judged not by the knowledge you send but by what the listener receives." - Lilly Walters.

Want to express your views to the world? Have a brilliant idea you want to show-off? Want to develop your presentation skills? Get ready to express your views regarding civil engineering and sharpen your skills through this exclusive contest.

If you have an important point to make, don’t try to be subtle or clever. Make a paper presentation!

Don't miss this opportunity and register now!

**RULES:**

* Powerpoint can be on any topic related to civil engineering.
* An abstract of the topic chosen with your contact information must be sent to paperpresentationC20@gmail.com.
* If your topic is chosen to be presented on the event day, you will be initiated.
* Maximum number of participants in a Team is 2.
* It is advisable that the presentation focuses on one particular topic.
* Must have College ID-Card and Civilisation ID card on event day.
* Please bring your PowerPoint presentation on a CD or a pen-drive.
* Soft-copies of the submitted paper must be in .docx format and PowerPoint presentations must be in .ppt format.
* Difficulties will be addressed through the same email-id.
* People from different institutions can be a part of the same team. However, one person may not be a part of multiple teams for the same event.
* The abstract mail with submissions should contain:
* Title- theme of the paper
* Name of both the authors
* Phone no of both the authors
* E- mail ID
* Paper should be in a one column format & should not exceed 15 pages.
* Times New Roman font of size 12 is advisable.
* For headings use bold and a font of size 16.
* Paper must be preceded by a cover page specifying the title of the paper, names of authors and their college names as also their contact numbers and email ids.
* The abstract mail should contain abstract, references, your e-mail id and mobile number.
* Last day to submit soft copy of your report (via e-mail) will be two days prior to the day of presentation.

**FORMAT:**

* After you have submitted the abstract, a panel of judges will go through your material and if you are shortlisted to give the presentation, you will receive an acknowledgment mail along with date, venue and time.
* The teams will get 10 minutes for presentation followed by a question and answer session of 2 minutes.
* The decision of judges will be final and no argument or appeal will be entertained.

**CONTACT:**

NISHI -9944710757

VIDYASHREE -9566031631

**POSTERIZE**

“Asides your power, passion and poise, what glues the posters of your impacts on memorial walls is how you treat those you need and those who need you” - Israelmore Ayivor

A good poster should be eye-catching and informative. Here’s a wonderful chance for every artist to showcase their skills in the field of poster designing.

**DESCRIPTION**:

* The following are the topics for the posterize event.
* Green concrete
* Noise control of buildings
* U-boot voided slab technology
* Geotextile
* Self-healing concrete (bio concrete)
* Time duration: 1 hour 30 minutes.
* Required stationaries will be provided.
* Do not use your own stationaries

**RULES:**

* College ID and Civilisation ID (will be provided) are mandatory.
* A team can have a maximum of two participants.
* Use of mobile phones is strictly prohibited.
* There are only limited slots. The slots will be filled on the basics of those who apply earliest are most likely to get what they want.

**CONTACT:**

SARANYA GUNASEKARAN - 996247884

SATHIYA SUPPAIYA - 7502048649

**PRIMAMETRY**

“A man*’*s feet should be planted in his country, but his eyes should survey the world”

- George Santayana

Do you dream of fulfilling your passion? Are you waiting for a spectacular chance to show off your talents? For delivering excellence in surveying and for adding value to your knowledge, we bring you a dazzling opportunity to enhance the power of applied intelligence. This is an event for smart people shining with skills!

FORMAT

**PRELIMS:**

* This is a pen and paper round.
* A set of questions will be given with answer choices.
* The top 5 teams will be selected for the finals.

**FINALS:**

* The finalists will be asked to measure the height of a specific building.
* Required instruments will be provided.
* Winners will be determined based on their accuracy.

**RULES:**

* A team can only consist of three participants.
* Mobile phones are not allowed and calculators can be brought.
* Decision made by the judges will be final.
* College ID and Civilisation ID (will be provided) are mandatory.

**CONTACT:**

GURU PREETHI - 9080353002

VINOTH KUMAR - 9715111033

**REVEAL THE CIVIL**

“Scientists dream about doing great things. Engineers do them”

– James A Michener

Are you a civil engineer keen on building your knowledge in this field? Apart from the many events conducted on Civil Engineering, this event will help decorate your resume as a fresher.

Be game and join this challenging event!

**FORMAT**

**PRELIMS:**

* This round consists of 25 questions.
* All the questions are multiple choice questions.
* Duration of the round: 30 minutes.

**FINALS:**

* This round consists of 25 questions.
* Duration of the round: 30 minutes.

**RULES:**

* Only one answer is valid for MCQ’s in Prelims
* Marks are not allotted for overwriting.
* Participants with marks above 20 will be allowed to take in the next round.
* Using mobile phone is strictly prohibited.
* Participants with malpractices are disqualified.
* College ID and Civilisation ID (will be provided) are mandatory.

**CONTACT:**

KAVIYA - 8111057700.

SHAHIYA - 9944297836.