#### PADRE CONCEIÇÃO COLLEGE OF ENGINEERING



DEPARTMENT OF COMPUTER ENGINEERING







PRESENTS

# COECRUME

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# creative capsule

#### 7TH, 8TH, 9TH OCT 2021 | 9:00AM - 5:00PM

**SCHEDULE:** 

Coordinators:

1<sup>st</sup> Place: Rs.4000/-

2<sup>nd</sup> Place: Rs.2000/-

#### SAKSHI PALEKAR - 9146884970

VEDANG RANE - 9195187 17583

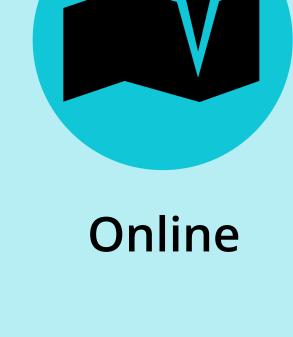
MAX 3 PARTICIPANTS PER TEAM | INTER COLLEGE

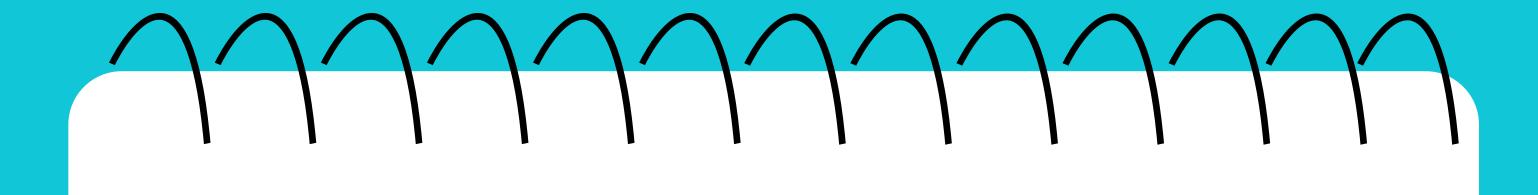
REGISTER HERE: bit.ly/codecrunch\_pcce











7/10/2021

#### Maximum 3 people in a team.

**RULES** 

#### Open. The students can decide which programming language they want to use for task completion.

tasks.

**Team Size** 

Day 1:

**Programming Language** 

### days. Team must submit the status of the completed tasks on Day 1, after pushing the code in the GitHub repository.

scores on the same day

Day 2:
a] Teams can continue working on the pending tasks.
b] An automated system will inform the teams about the test score

of any one of the tasks. Using the test score data, the teams can

e] Once the code is freezed, the teams won't have write access to

figure out the solution to fix the scored task and the unscored

A set of tasks will be given to be completed within the next two

c] The teams must submit the final code for review. Code freeze time will be announced on Day-1.
d] Example: Code Freeze at 7:00 PM on 8th Oct 2021

Day 3:
1] Top 5 Teams will have to give a presentation of the complete

repository. The code will be reviewed and we will release the

1] Top 5 Teams will have to give a presentation of the completed tasks to the judges. Students need to run the application and explain their code.

2] Judges can ask any technical questions related to the written

Students will be building a REST API application, which will be

created. The REST API endpoint will have a set of inputs and

expected output.REST API endpoint description and expected

output will be provided to students using postman collection. They

will import the postman collection and use them to make the REST

#### connecting to 3rd Party API's (example:Twitter) to fetch data and give customized data as output. For each task a REST API has to be

## requests. 2] Source Code Repository:

code or the task.

Task Details:

1] Development:

a] All code needs to be committed and pushed on the GitHub repository (https://github.com/). Students need to be familiar with simple git usage and should be able to push the code. The final code should be available on GitHub for review.
b] Submit Github Usernames - Each team has to submit the names of their team members at least 1 day before the start of Day1. A Git repository will be created for each team and all team members will be granted access to the repository.

a] A student can create an account on either Vercel or Heroku

d] Software to support programming language of your choice,

students can choose any other hosting platform also.

website. Host the REST APIapplication on the hosting platform. The

# b] The students should share the hosted API URL. Prerequisites:

c] Git

which can help you build. REST API's (NodeJS/Python/JavaScript/C#/Java/PHP/GO/NestJS/Kotlin or any other)

a] Software Required for the Task:

b] Postman (desktop Application)

Required Accounts:

a] GitHub account (https://github.com/)

b] Twitter account (https://twitter.com/)

developer.twitter.com/en/apply-for-access)
d] Create a Twitter App. This will be used to make calls to the REST API's

the team, needs to fill and submit the form.

e] Vercel (https://vercel.com/) or Heroku (https://id.heroku.com/) or any other free hosting platform

c] Apply for twitter developer account application(https://

Make sure you have the above accounts created and ready

#### Submissions: a] Students will be given a Submission form URL where they have

the hosted API URL.

to submit the details requested in the form.
b] Important data that needs to be kept ready for submission is

c] The submission form should be used on Day 1 and Day 2 to update the status of the completed tasks. Only one person from