

CRUX

THE PROGRAMMING AND COMPUTING CLUB



About Us

We cover all things programming and computing

We are a community of people who ❤️ programming

<https://crux-bphc.com>

We Cover All Things Programming

-  Competitive Programming
-  CTFs and Cyber Security
-  Design (UI/UX)
-  Web Development
-  Systems Programming
-  Machine Learning
-  App Development
-  Game Development

... and many more domains

Contests and Workshops

We organize workshops and contests for students.

- Bootstrap (CC Workshop)
- Binary Battles
- CruXipher

Keep an eye out for us in the upcoming ATMoS tech fest!

Summer Groups

We hold *Summer Groups* for:

- Competitive Coding
- Web Development
- UI/UX
- Flutter
- Python
- Game Development
- Machine Learning

ACM-ICPC

- Team `codeCruXaders` participated in the **World Finals** of ICPC
- Team `codeCruXaders` - **21st Rank at Pune/Gwalior Regionals**

CTF

- **11th** in India according to CTFtime leaderboard.

GSOC 2024

- **Dart** - a scalable language for apps on any platform
- **UC OSPO** - open source initiative by the University of California

Progress

 Overview  Repositories 56  Projects



CRUX
The Programming & Computing Cl
53 followers  Hyderabad 



CRUX
The Programming & Computing Club
86 followers  Hyderabad 

Projects

ChronoFactorem

Helped 2.2k users make 3.2k timetables in two days. Hopefully helped you during and after registration.

Welcome to
ChronoFactorem

@ Login with Google

About ChronoFactorem

Powered by CRUX: The Programming and Computing Club of BITS Hyderabad

Summer Groups 2024

Resources and Exercises we've put together for our annual Development Summer Group, aimed at helping you master the concepts in Web Dev, UI/UX and Machine Learning.

<https://github.com/crux-bphc/dev-summer-group-2024>



Bootstrap 2024

Resources and Exercises compiled for Bootstrap Summer Group 2024, in order to guide people looking to learn Competitive Programming.

<https://github.com/crux-bphc/crux-bootstrap-2024>



Rideshare App

Say goodbye to the hassles of solo travel with our comprehensive app that seamlessly connects students looking to share rides to and from the campus.



App

The image displays two side-by-side screenshots of a mobile application for ride sharing.

Left Screenshot: Create Trip

This screen shows the process of creating a new trip. It includes fields for "Enter from place" and "to", both with dropdown menus. Below these are fields for "Enter to place", "Start Limit" (set to 26th July), "End Limit" (set to 26th July), "3:01 AM" (departure time), "3:31 AM" (arrival time), and a dropdown for "Seats available" set to 1. There is also a text input field for "Enter a description" and a button labeled "Slide to confirm".

Right Screenshot: Trip Listings

This screen lists scheduled trips. Each trip is represented by a card with a purple circular icon containing a letter (B, P, S, V, R) and the text "Airport TO Campus". To the right of each card are the date (e.g., 26th July, 27th July, etc.), the time range (e.g., 10:30 AM - 12:00 PM, 7:30 PM - 8:00 PM), and the number of seats available (e.g., 2 seats available, 3 seats available).

Date	Time Range	Seats Available
26th July	10:30 AM - 12:00 PM	2 seats available
27th July	7:30 PM - 8:00 PM	3 seats available
28th July	11:50 AM - 12:20 PM	2 seats available
30th July	9:30 AM - 11:00 AM	3 seats available
30th July	6:00 PM - 7:00 PM	3 seats available

Chronoscript

The beating heart of
chronofactorem with features such
as free days, prof preferences,
recommendations, etc.

<https://github.com/crux-bphc/chronoscript>



In Progress

Stuff we are working on

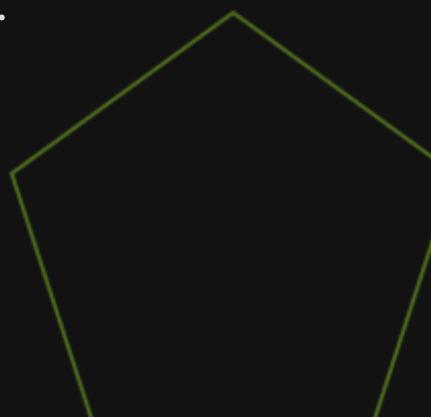
Lex

An all in one app for all your academic needs.



BitsGPT

Your campus buddy chatbot for advice, resources and making student life easier.



BitsGPT v1.0.0

BitsGPT: Hello! I'm BitsGPT, the campus buddy chatbot for making your student life easier. Feel free to ask me anything!

You: can you recommend some nice things to do on campus

BitsGPT: Sure! You can check out the Smart Campus features like the All Night Canteen and ordering merchandise. Explore the campus and familiarize yourself with class locations, especially F and G Blocks. Visit Connaught Place (CP) to discover the variety of products sold in each store. Don't forget to strike a balance between attending classes and participating in clubs, sports, or other activities. And of course, indulge in some delicious food and chocolates at the busy spots on campus. Happy exploring! Sources: - Document 1: data\witw.md - Document 2: data\witw.md

Type your message...



* BitsGPT may display inaccurate info so double-check its responses.

Torrent Client

A Torrent Client written from scratch in pure Rust.

LUMOS

A game engine written completely from scratch in C++ using OpenGL.

"work hard bro one day you got 7* coder
codechef, international grandmaster on
codeforces your cp skill beat Sundar
Pichai and you become next CEO in
google"

Karthik Prakash, Dev Secretary

How do I join CRUX?

CRUX holds inductions every semester to recruit new members.

CRUX CC

A Competitive Programming contest is held to induct new members

CRUX DEV

You submit a link of your work and candidates are interviewed in a 3-step process

CRUX CTF

A CTF contest is used to judge your proficiency

Skills Required?

- A love for programming
- Effort

We are one of the only clubs that give you feedback on your work so that you can perform better next time.



Is it too late to start?

We hold Workshops year-round to help acquaint people with programming. We induct people from any year!

P0Rs

President

Mudit Somanı

CC Secretary

Varun Reddy

Dev Secretary

Karthik Prakash

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9597735353

Thank You

Hope to see you at inductions