



# 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
- ☐ Design
- ☐ Web Development
- ✂ Systems Programming
- ☐ Machine Learning
- ☐ App Development
- ☐ Game Development
- ☐ CTFs and Cyber Security

... and many more domains

# Contests and Workshops

We organize workshops and contests for students.

- CodeDrift
- Binary Battles
- CruXipher
- Introduction to Machine Learning

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



# Summer Groups

We hold *Summer Groups* for:

- Competitive Coding
- Web Development
- Android Development
- Flutter
- Python
- Game Development
- Machine Learning



# Achievements

## ACM-ICPC

- Qualified for the World Finals of ICPC
- Team ``Kuch_bhi`` - 21st Rank at Pune/Gwalior Regionals

## GSOC 2023

- BookBrainz - an open source bibliography database
- GNU - open-source operating system and software ecosystem

# Progress



**CRUx**

The Programming & Computing Club

17 followers   Hyderabad   http

Overview

Repositories 32

Projects

Overview

Repositories 56

Projects



**CRUx**

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53 followers   Hyderabad   http

# Projects





# ChronoFactorem

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



# CMS App

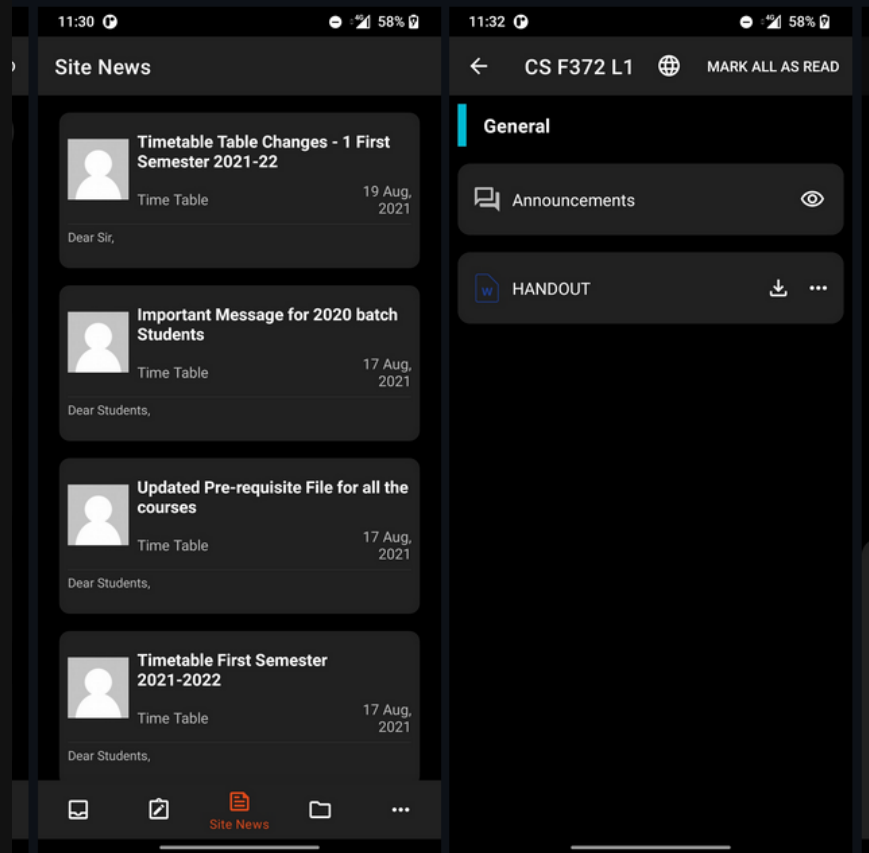
Your snake friends might not notify you for surprise quizzes, but this app will.



Android App



iOS App



# DSA TRAINING 2023

Compiled Resources on Various DSA  
Topics

[https://github.com/crux-bphc/DSA-  
Training-2023](https://github.com/crux-bphc/DSA-Training-2023)



# Chronoscript

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

[https://github.com/crux-  
bphc/chronoscript](https://github.com/crux-bphc/chronoscript)



# In Progress

Stuff we are working on

# Rideshare

A cab sharing app with BITSians

[https://github.com/crux-bphc/rideshare\\_flutter](https://github.com/crux-bphc/rideshare_flutter)

# Snap Sorter

Machine learning based face ID and clustering to retrieve your photos from campus events

<https://github.com/crux-bphc/snap-sorter>

# Game Engine

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



"We're going to write so much software,  
you're going to be tired of all the  
software. You'll say 'please no stop  
it's too much software we can't take it  
anymore' "

Soumitra Shewale, 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

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



# PORs

President

Ansh Goyal

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CC Secretary

Rahul Jha

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Dev Secretary

Soumitra Shewale

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# Thank You

Hope to see you at inductions