



# REACTJS & FASTAPI BOOTCAMP

*Brochure*



**13th – 25th**  
AUGUST



**TPO LABS**  
CBIT





## ABOUT COSC

CBIT Open Source Community (COSC) is an open source focused tech community based in Chaitanya Bharathi Institute of Technology. Since its inception in the year 2017, the community has helped individuals by offering a platform for seeking out and enhancing their skills. We conduct hackathons, bootcamps and workshops to teach students different technologies while promoting the open source culture.

## WHAT IS OPEN SOURCE & WHY IS IT IMPORTANT?

- Open source software is available to everyone, making it possible to understand and contribute to the software's functionality.
- Open source software is agile since it allows for multiple ways to solve a single problem, thereby enabling frequent updates and quicker fix times for vulnerabilities.
- Open source encourages students to collaborate and provides insights into better software.



# ABOUT THE BOOTCAMP

The ReactJS and FastAPI Bootcamp is designed to equip students with key web development skills, providing them with a strong foundation to begin their journey in application development.

The Bootcamp is open to all third and fifth-semester UG students and will be organized from 13th to 25th August 2024.

## OBJECTIVES OF THE BOOTCAMP

- Learn the core concepts of ReactJS, including component-based architecture, state management, and hooks.
- Gain hands-on experience in building APIs with FastAPI, focusing on its speed, simplicity, and efficiency in creating robust backend services.
- Learn how to seamlessly integrate ReactJS with FastAPI to build full-stack web applications, ensuring smooth communication between frontend and backend components.





# TIMELINE

**13 AUG 2024 (OFFLINE)**

- **9:10 - 10:10**  
Bootcamp Overview  
Configuring IDEs
- **10:15 - 11:15**  
Basics of HTML & CSS
- **11:20 - 12:10**  
Essential JS concepts
- **12:10 - 13:00**  
Lunch
- **13:10 - 14:00**  
React Components
- **14:05 - 16:00**  
Props, Hooks  
API Introduction

# TIMELINE

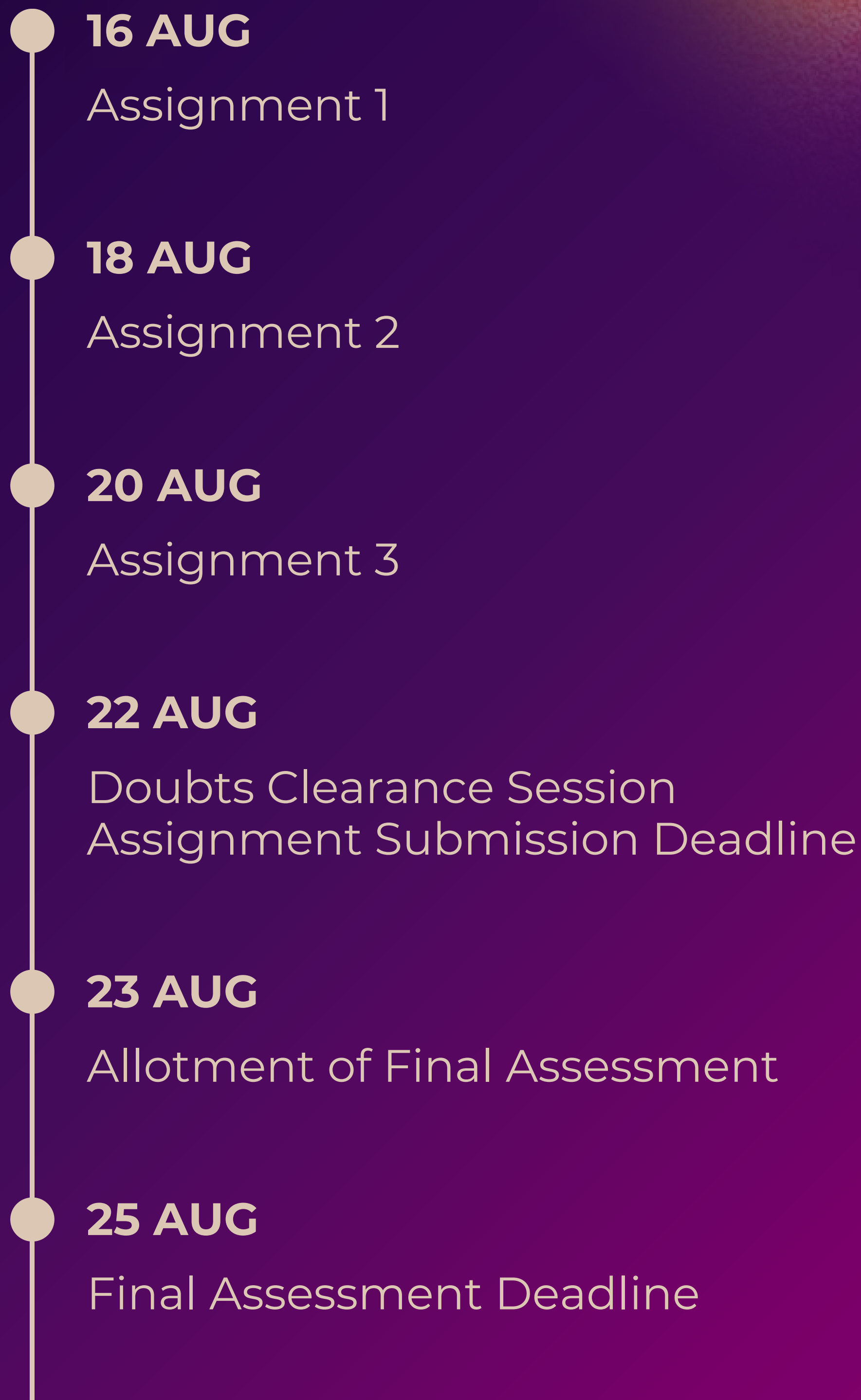
**14 AUG 2024 (OFFLINE)**

- **9:10 - 10:10**  
API Overview  
Middleware
- **10:15 - 12:10**  
CRUD operations
- **12:10 - 13:00**  
Lunch
- **13:10 - 14:00**  
Async &  
Background Tasks
- **14:05 - 16:00**  
Incorporating an ML  
model in a Website

**\*Refreshments to be given  
on both the days**



# TIMELINE (ONLINE)



**\*Certificates to be given  
upon completion of the  
final assessment**





## For More Information:



[cosc@cbit.ac.in](mailto:cosc@cbit.ac.in)



<https://linktr.ee/cbitosc>



Sai Kiran : 79951 66572



Akil Krishna : 94426 21187

**Registration Fee : 250/-**

**LIMITED  
SEATS !**

REGISTER NOW !

