

CS731

Deadlines and Guidelines

Major highlights

- **Background and prerequisites**
 - History of blockchain
 - Centralization vs decentralization
 - Cryptography for blockchain
- **Bitcoin**
 - Simple coin
 - Distributed consensus
 - Mechanisms of Bitcoin
- **Ethereum**
 - Fundamentals, mechanisms of Ethereum
 - Smart contract and vulnerabilities
- **Hyperledger**
 - Mechanism, consensus
- **General blockchain concepts**
 - Different consensus mechanism, wallets, forks, etc

Disclaimer: All the contents taught, discussed, and demonstrated in this class is for training and educational purposes only. None of the teaching staffs is responsible if the knowledge gathered here is used by anyone for harmful purposes to any person or entity.

Teaching Members

- Instructor
 - Angshuman Karmakar (angshuman@cse.iitk.ac.in)
- Teaching assistants
 - Sumit Lahiri (sumitl@cse.iitk.ac.in)
 - Chavan Sujeet (sujeetc@cse.iitk.ac.in)
 - Indranil Thakur (indra@cse.iitk.ac.in)

Course logistics

- We will use discord
- Username : Rollnumber_yourfirstname
- **Please be respectful and civil to others**
- **Discussion on course materials only!**
- The channel is for mutual discussion and collaboration among students
- Class announcements, slides, etc. will be posted there
- No foul or offensive language. No discussion on any matter outside the course. No discussion on race, religion, regionality, or politics
- No stickers
- Instructors will engage during office hours



<https://discord.gg/GTuEbPHf>

Course logistics

- Sometimes extra classes will be announced
 - Check the announcement channel in the discord
- There will be tutorial classes to discuss the assignments
- The time for extra classes or the tutorials will be Saturday 11:00 IST
- Tutorials can be scheduled during normal class hours if needed
- Will be announced at least 1 week in advance
- All decisions regarding grading policies made by the instructors are final

Evaluation

Tentative

- 4-6 quizzes
 - Best 2/4
- No mid-semester
- Either end-semester or a project
- Tentative marks division
 - End-semester project: 50
 - Quizzes: 25
 - Mid-semester: 25

Evaluation

- **Zero tolerance for plagiarism**
 - Submissions will be checked using plagiarism checker softwares
- Assignment doubt clearings will be in tutorial classes
 - Also, strictly with prior appointments with TAs

Contact rules

- TAs will have office hours
 - Sumit
 - Sujeet
 - Indranil
- It is preferred to meet only during office hours
- For urgent requirements, make an appointment first

Questions?