Ideas for implementation

1. Code checker (creater) for test like codeforces/hackerrank etc
2. MCQ creater for test
3. Class scheduler after corona (50% seats, both dose of vaccines etc)
4. Make something like email

Rohan’s Work

1. Quora clone

Anshu’s Work

1. Make login for student
2. Check if a class is available for next day (5 subjects allowed)
3. Allow student to choose a date from calendar and check if there is a slot on that day (time limit – 1 month)
4. Show available dates in calendar for each subject (just like vaccine website) (tl- 1 month)
5. Upload covid certificate and allow students with covid certificate only
6. Check validity of covid certificate from govt website

My Work

1. Login page
2. Database model for teams like structure
3. Give admin rights to create teams and add and remove members
4. Allow chat between them
5. Allow video call between them

Day – 1

Problem Statement - <https://microsoft.acehacker.com/fte2021/#challenge>

Finding material related to socket programming/ networking / connecting two programs

1. <https://www.youtube.com/watch?v=B7iF6G3EyIk&list=PLlasXeu85E9cQ32gLCvAvr9vNaUccPVNP&index=9>
2. <https://www.youtube.com/watch?v=Hiv3gwJC5kw>
3. <https://www.youtube.com/watch?v=6oBePDVZHYc>
4. <https://www.youtube.com/watch?v=qnBUW_rv_cQ>
5. <https://www.youtube.com/watch?v=knGk9aUr4Do>
6. <https://www.youtube.com/watch?v=71EZb94AS1k>

Day – 2

1. Learning basics of Node.js - <https://nodejs.dev/learn>
2. Making a video call app using webRTC - <https://www.youtube.com/watch?v=DvlyzDZDEq4>
3. <https://github.com/WebDevSimplified/Zoom-Clone-With-WebRTC>
4. <https://peerjs.com/>
5. <https://socket.io/>
6. Deploying it on Heroku - <https://www.youtube.com/watch?v=CrZ2JgLljAk>
7. Complete creation and deployment - <https://www.youtube.com/playlist?list=PLK0STOMCFms4nXm1bRUdjhPg0coxI2U6h>
8. What is webRTC - <https://www.youtube.com/watch?v=SsN4gl_wV_8&t=0s>

<https://www.youtube.com/watch?v=NKd6RGgm0fc>

1. WebRTC playlist - <https://www.youtube.com/playlist?list=PLayYqdnyegt0qX8EfEGExxZF3DxkyA1Dj>
2. WebSocket - <https://www.youtube.com/watch?v=i5OVcTdt_OU>
3. Working github link for one to one video call - <https://github.com/ajselvar/mywebrtc>
4. Important basic documentation of webRTC:
5. <https://developer.mozilla.org/en-US/docs/Web/API/WebRTC_API>
6. <https://developer.mozilla.org/en-US/docs/Web/API/MediaDevices/getUserMedia>
7. <https://developer.mozilla.org/en-US/docs/Web/API/RTCPeerConnection>
8. <https://developer.mozilla.org/en-US/docs/Web/API/RTCDataChannel>
9. NodeJs documentation - <https://nodejs.dev/learn>

Day-3

1. Best Resource for webRTC - <https://www.html5rocks.com/en/tutorials/webrtc/basics/#toc-disruptive>
2. Total Dom Manipulation - <https://www.youtube.com/watch?v=y17RuWkWdn8>
3. Dynamic List HTML JS - <https://www.youtube.com/watch?v=GNA4FldprF8>

Day-4

1. webRTC stats API :
2. Documentation - <https://w3c.github.io/webrtc-stats/>
3. Constraints and statistics Website - <https://webrtc.github.io/samples/src/content/peerconnection/constraints/>
4. Github repo of the website - <https://github.com/webrtc/samples/tree/gh-pages/src/content/peerconnection/constraints>
5. STUN/TURN server - <https://webrtc.ventures/2017/08/quick-guide-stunturn-webrtc/>
6. Chrome webrtc-internals - chrome://webrtc-internals/
7. webRTC books - <https://bloggeek.me/best-webrtc-book/>

Day-5

1. Nothing much, tried to resolve the error, but nothing done

Day -6

1. Create login, authentication etc (A lot of features) - <https://www.youtube.com/watch?v=PKwu15ldZ7k>

Day – 8

1. Fixing npm vulenarabilities (Read all) :
2. <https://itnext.io/fixing-security-vulnerabilities-in-npm-dependencies-in-less-than-3-mins-a53af735261d>
3. <https://gae-piaz.medium.com/hi-vivek-thank-you-for-the-article-in-my-experience-some-steps-you-indicated-are-unnecessary-c31dd4d19d17>
4. <https://www.npmjs.com/package/npm-force-resolutions>

Day-9

1. Debug react - <https://www.youtube.com/watch?v=mf-b70SQGRI>

Day-10

1. How to retain states in React after refresh: <https://blog.bitsrc.io/5-methods-to-persisting-state-between-page-reloads-in-react-8fc9abd3fa2f>
2. We may try to avoid using local storage because ye proper permanent solution nahi h q ki kai users apne browsers ki local storage off kr k rkty h or kai browsers me local storage hota he nahi h tb kya kary