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

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

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