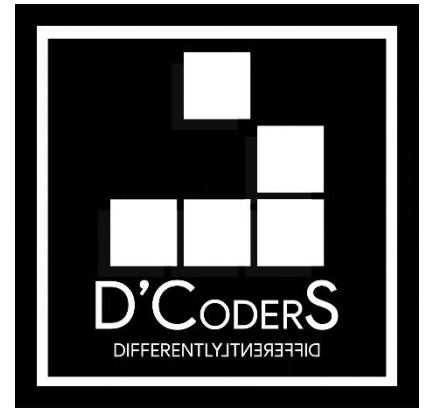


# D'Coders Hackathon



Question allotment to Team Members.

Please visit the given links according to your Criteria:

## Note:

The Given Links Contains Excel Sheets where all the Teams are allotted to a Question Criteria i.e. (A, B, C). The Questions for all the Teams of Respective Years and their chosen Criteria are given in this PDF Below.

First Year App Development:

<https://drive.google.com/open?id=1L48VAa-letFXF0gJs3RpUMMMXYpdQo8GA>

First Year Web Development:

<https://drive.google.com/open?id=1JJDF2DpPYsb9hyvJ-wr2j1EIU4HTEd86>

Second Year App Development:

<https://drive.google.com/open?id=1UCPWYU-U5Sgkgd3ZDN2q3sF-xs4FJLXI>

Second Year Web Development:

<https://drive.google.com/open?id=1nkRW8bX5a6AfuFdgBn9toYwlqbCT4zN>

Third Year Web Development:

[https://drive.google.com/open?id=18Qie6GPCHlrU\\_EyUkGMcb-l5yGT\\_91M](https://drive.google.com/open?id=18Qie6GPCHlrU_EyUkGMcb-l5yGT_91M)

# First-Year Questions for App Development:

## Question (A)

### Noting App

An app to take notes in classes can be quite handy as everyone has a smartphone these days. So, develop an app that can be used to take notes in classes.

- Add and delete button to add or delete notes
- The app should have clearly defined sections for different subjects
- The timestamp should be automatically included in the notes
- **Extra Credit:**
  - Persistent data
  - Online DB

## Question (B)

### Feedback App

Feedbacks of teachers from their students helps the department in determining whether the teachers assigned to teach these students are able to teach the subject properly as well as solve any problems that the students might be facing. So, develop an app to take the feedback of teachers from the students.

- Text field to provide some additional feedback (comments, etc)
- Students should only be able to give feedback about the subject teachers of their section
- Show the submitted data in a structured manner
- **Extra Credit:**
  - Persistent data
  - Online DB

## Question (C)

### Mess Food Feedback App

Eating healthy food is necessary for proper growth and development. As a student, rating your daily food will help the mess staff to better understand your needs and your liking. Make an app to food quality feedback

- The app will have a food menu for all 7 days of the week
- The menu should randomly change if you refresh the page
- Each day should have a rating tab and an input field to provide the feedback
- **Extra Credit:**
  - Persistent data
  - Online DB

# First-Year Questions for Web Development:

## Question (A)

### Noting Web App

An app to take notes in classes can be quite handy as everyone has a laptop these days. So, develop a web app that can be used to take notes in classes.

- Add and delete button to add or delete notes
- The web app should have clearly defined sections for different subjects
- The timestamp should be automatically included in the notes
- **Extra Credit:**
  - Make the web app responsive to all screens
  - Make the data persistent

## Question (B)

### Feedback Web App

Feedbacks of teachers from their students helps the department in determining whether the teachers assigned to teach these students are able to teach the subject properly as well as solve any problems that the students might be facing. So, develop a web app to take the feedback of teachers from the students.

- The web app should be able to provide feedback to teachers according to sections ( i.e If you select section A you should be able to provide feedback to section A teachers )
- The feedback should contain questions with fixed bullet point answers
- Also, have an input field to state your problem
- Show the submitted data in a structured manner
- **Extra Credit:**
  - Make the web app responsive to all screens
  - Show all submitted data on a new page with all previously submitted data

## Question (C)

### Mess Food Feedback Web App

Eating healthy food is necessary for proper growth and development. As a student rating, your daily food will help the mess staff to better understand your needs and your liking. Make a web app to provide food quality feedback.

- The web app will have a food menu for all 7 days of the week
- The menu should randomly change if you refresh the page
- Each day should have a rating tab and an input field to provide the feedback
- Show the submitted data in a structured manner
- **Extra Credit:**
  - Make the web app responsive to all screens
  - Show all submitted data on a new page with all previously submitted data

# Second-Year Questions for App Development:

## Question (A)

### SMIT Events App

There is always an event going around in college. These events can get lost in the WhatsApp groups where they are usually announced. So, develop an app to showcase such events.

- The app should have different sections for Upcoming events, On-going events, and Previous events
- Details of the event should include some brief write-up with event posters and links to registration for the event (if necessary)
- Automatic switching of sections, e.g. an event goes from upcoming to on-going and then to previous based on dates of the specified events
- **Extra Credit:**
  - Login authentication for Club moderators and students
  - Persistent data
  - Online DB

## Question (B)

### SMIT Store App

With the advent of Flipkart and Amazon, everyone expects online order capabilities in all stores. Make an app for purchasing items online from the SMIT store.

- The app should have two parts: -
  - Customers:
    - The app should have a list of all items that can be ordered
    - Cart System should be implemented
    - After checking out from the cart, customer should be shown the final bill
  - Seller: -
    - Seller should be able to add and delete items in the store
    - As soon as the items are added, they should be added to the main store
- **Extra Credit:**
  - Login authentication for customers and seller
  - Persistent data
  - Online DB

## Question (C)

### SMIT News App

Every college has its newspaper to inform students about various stories happening inside the campus. So, why not have an app to do the same?

- The app should have a newsfeed to showcase various news that was posted on the app
- Notices released by the college on various occasions should be easily accessible (of any previous dates as well)
- An option to submit an article for the users as well
- **Extra Credit:**
  - Persistent data
  - Login authentication for Editorial board and students
  - Online DB

# Second-Year Questions for Web Development:

## Question (A)

### Event Info Page

College life is full of fun and great events. Having an app to streamline all the upcoming events will help a lot of students to plan their schedule properly and efficiently. Make a web app for managing all the events happening in college.

- The web app should show all upcoming, previous and ongoing events separately
- The events should have a timer to show the remaining time left
- The ability to add, delete or update events
- **Extra Credit:**
  - Make the data persistent
  - The events should dynamically move from upcoming to ongoing and to previous
  - Make the web app responsive to all screens

## Question (B)

### T&P Info Page

Placement is the most important phase of an undergrad student's life. Being able to follow up on the events can help the student be prepared in advance. Make a T&P web app to keep track of upcoming, ongoing and previous company tabs

- The web app should show all upcoming, previous and ongoing companies separately
- Each company should have a detailed description which can be viewed on clicking
- The ability to add, delete or update companies
- **Extra Credit:**
  - Make the data persistent
  - Give only the admin privilege to add, delete or update companies
  - Make the web app responsive to all screens



## Question (C)

### SMIT News App

We all know how important news is in our day to day life. What's more important is the news related to where you live. Make a web app to keep track of all the news and announcements in college

- The web app should have daily news of what's happening in SMIT
- The user can click to see details explanation of the news as well as mark it to read it later
- The ability to add, delete or update companies
- **Extra Credit:**
  - Make the data persistent
  - Give only the admin privilege to add, delete or update news
  - Make the web app responsive to all screens

# Third Year-Questions for Web Development:

## Question (A)

### Marena Food Ordering App

Waiting for food in Marena can be time-consuming and frustrating. Automation of this process can help both the customer and the shopkeeper. Make a web app to order food from Marena

- The web app will have 3 parts
  - Customer
  - Cook
  - Manager
- The customer can order food from the menu
- The cook can accept or reject the order
- On order acceptance, the Payment needs to be done
- The Manager will get the order details after Payment is done
- The data should be persistent
- **Extra Credit:**
  - Make the web app responsive to all screens
  - Use an online database to store the data

## Question (B)

### **Letter Of Recommendation Web App (LOR)**

Getting a letter of recommendation can be tedious work for both the student and the teachers. Automation of this process can make life easier for both the students and teachers. Make a web app to automate this process

- The web app will have 3 parts
  - Student
  - HOD
  - Teachers
- The students should be able to submit the required documents
- The HOD will receive the student detail and pass it to the concerned teachers
- The teacher will review the application and pass it on to the HOD with a reviewed note
- The HOD will do the final evaluation and accept or reject the LOR
- The data should be persistent
- **Extra Credit:**
  - Make the web app responsive to all screens
  - Use an online database to store the data