

ANDROID APP DEVELOPMENT



ABOUT US

CODSOFT is a vibrant and diverse community that brings together individuals with similar objectives and ultimate goals. Our main focus is on creating opportunities that span various areas, including leadership development, learning, student engagement, and fostering shared interests.

We believe in the power of leadership and its ability to drive positive change. That's why we provide platforms and resources for our community members to develop their leadership skills. Through mentorship programs, workshops, and collaborative projects, we empower individuals to take on leadership roles and make a difference in their respective fields.



INSTRUCTIONS

- Update your LinkedIn profiles
- *For the Android Development internship, you will need to complete at least 2 tasks for successful completion of the internship.*
- Maintain a separate GitHub repository(name CODSOFT for all the tasks and share the link of the GitHub repo in the task submission form(it will be given later through email).
- You can refer to online resources such as Google Search and read tutorials. Watch videos(For Help).

SUBMISSION

A TASK SUBMISSION FORM will be shared later through email. Till then please continue your task.

- A video need to be created to showcase your work, demo of your effort
- *For the Android Development internship, you will need to complete at least 2 tasks for successful completion of the internship.*
- The video can be hosted on LinkedIn for proof of your work and build credibility among your peers . You can tag **CODSOFT** in such posts..
- Please add **#codsoft** in each of your task video postings on LinkedIn, Additionally, you can also add hashtags such as #internship #webdevelopment. for more reach and visibility.

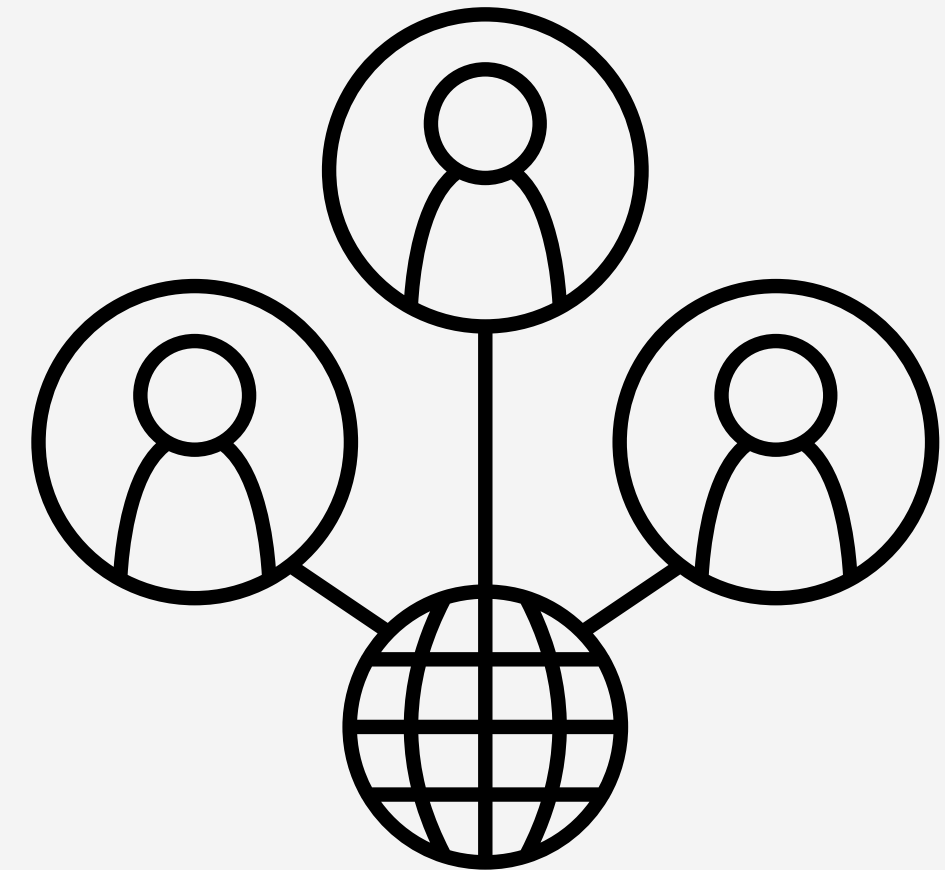
ABOUT THE INTERNSHIP



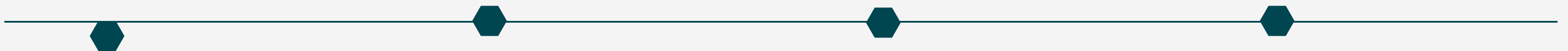
**COMPLETION
CERTIFICATE**



**PLACEMENT
SUPPORT**



**NETWORK
OPPORTUNITY**





ANDROID APP DEVELOPMENT TASK LIST

For the Android App Development internship, you will need to complete at least 2 tasks for successful COMPLETION OF THE INTERNSHIP.



TASK 1

TO-DO LIST APP

FOR DEMO [CLICK HERE](#)

- Create a simple to-do list app that allows users to add, edit, and delete tasks.
- Implement features like task priorities, due dates, and task completion status.

Home Screen: Display a list of tasks with titles and completion status.

Task Creation: Allow users to add new tasks with titles and optional descriptions.

Task Editing: Provide the ability to edit task titles and descriptions.

Task Completion: Allow users to mark tasks as completed or active.

Task Deletion: Add the option to delete tasks from the list.

Local Data Storage: Save tasks locally on the device for data persistence.

User Interface: Design an intuitive and user-friendly interface.

For App - Upload video demo of your application on youtube and submit the url.



TASK 2

QUOTE OF THE DAY APP

FOR DEMO
[CLICK HERE](#)

- Build an app that displays a new inspiring quote or message each day.
- Allow users to share their favorite quotes with others.

Home Screen: Display a random inspiring quote or message of the day.

Quote Refresh: Automatically update the quote daily or on app launch.

Share Quote: Allow users to share the current quote with others via messaging or social media.

Favorite Quotes: Provide an option for users to save and view their favorite quotes.

User Interface: Design an attractive and user-friendly interface.

For App - Upload video demo of your application on youtube and submit the url.



TASK 3

ALARM CLOCK APP

Build an alarm clock app that allows users to set and manage alarms

Home Screen: Display current time and date.

Option to set a new alarm.

Alarm Setting: Time picker to set the alarm time.

Option to choose the alarm tone.

Alarm Management: List of all set alarms with on/off toggle.

Snooze and Dismiss: Snooze or dismiss the alarm when it rings.

User Interface: User-friendly and visually appealing design.

For App - Upload video demo of your application on youtube and submit the url.



TASK 4

WINDOW NOTIFICATION USING JAVA CODE FOR DEMO [CLICK HERE](#)

1. Import necessary libraries for GUI development.
 2. Design a notification window with title, message, and optional image/icon.
 3. Create and display the notification window.
 4. Set the notification title, message, and image/icon.
 5. Allow user interaction with the notification.
 6. Customize the notification's appearance, such as font and color.
 7. Handle errors or exceptions during notification display.
 8. Test the application on different operating systems for compatibility.
- For App - Upload video demo of your application on youtube and submit the url.**



TASK 5

UNIVERSITY ATTENDANCE APP FOR DEMO [CLICK HERE](#)

Develop a university attendance app for students and instructors to track attendance records efficiently.

1. User Authentication: Implement user authentication for students and instructors.

Enable registration and login functionality.

2. Student Features: Display courses and allow students to mark attendance.

3. Instructor Features: Manage course information and student roster.

4. UI Design: Create a user-friendly interface for easy navigation.

Design screens with menus, buttons, and input fields.

5. Database Management: Store student information, course details, and attendance records.

Utilize a database management system like SQLite or Firebase Realtime Database.

6. Data Security: Implement security measures to protect user data and ensure privacy.

7. Error Handling: Handle errors, such as invalid inputs or network failures.

Display helpful error messages for troubleshooting.

For App - Upload video demo of your application on youtube and submit the url.



ASK US FOR HELP!



- **THE PURPOSE OF THIS INTERNSHIP IS TO LEARN AND GROW**
- **We have no desire to dictate to you. It is entirely up to you whether you seek guidance or not.**
- **The given tasks may seem very easy or very difficult. We expect you to approach the tasks with professional diligence and give them the attention they deserve."**



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