



## Dear Participant,

Welcome to **Android App Development** track of Spectrum Internship drive. A quick intro by the way, Android Application development, as cool as it sounds, is actually even cooler than that. Summing it up into a single sentence, "An app is not all about technology, it is a dream towards future"

This task is for both native and cross platform, i.e; React native. Your internship will be basically divided into **3 phases**, each one with its own tasks and questions. All the tasks are designed in such a way that they will give you an insight in the field of android development, while simultaneously improving your coding skills.

### TASK 1:

Welcome to the Task 1 of Android application development internship drive. Task 1 is quite an easy task and is based on basic understanding of Android Buttons, EditText, TextView and Intents. The Task is defined clearly below. You should always keep in mind the fact coding different parts and widgets of Android app may seem a little lengthy and hectic in the beginning, so you are suggested not to get stressed and not to **mug-up** different parts, just keep looking at the tutorial code and try doing up the practical and Tasks and you will eventually get along with it quite easily. Remember, always be gentle with yourself, **success** takes **time**.

### Prerequisites: -

- Java                      - xml
- React Js(For cross platform)



## Tasks:

Task 1 will make you understand how Buttons, EditTexts, TextViews interact with each other. So, what you have to do is build an Android application containing the following widgets: -

- An EditText
- A Button
- A TextView

Work of the widgets: -

- EditText: - Takes Name, Branch, Regd no. and Year as an input from the user.
- Button: - By tapping the button, a new activity will be displayed which will bear the Cardview with Textview.
- TextView: - Would display the details entered in the previous activity by the user
- 

For switching between activities you need to use "Intent".

- Intent: - To open the new activity by button click, you need to pass an intent.

So, basically you will have to build an app that takes in user details as input, then upon tapping the button, opens a 2nd activity and displays the details of the user entered in the 1<sup>st</sup>(previous) activity. Basic wireframe of the app is given below.



# SPECTRUM INTERNSHIP DRIVE 2021

College of Engineering and Technology  
Bhubaneswar-751029

## WIREFRAME: -

Intern\_task0

ENTER DETAILS :

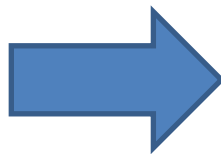
Name

Branch

Year

Registration number

Show Details



Intern\_task0

Rajesh Kumar  
Mechanical  
1st Year  
1802255714



**WIREFRAMES ARE JUST FOR YOUR REFERENCE, YOU HAVE TO JUST BUILD AN APP THAT ACCOMPLISHES THE BASIC TASK (TAKING USER INPUT AND DISPLAYING REQUIRED OUTPUT AS TEXTVIEW) WITH MINIMAL LAYOUT ADJUSTMENTS AND DECORATIONS. REMEMBER IT SOLELY DEPENDS ON YOU HOW YOU DESIGN THE APP. BASIC MINIMAL LAYOUT DECORATIONS WILL ALSO WORK.**

### **RESOURCES: -**

- TUTORIAL LINKS: -  
<https://www.udemy.com/course/learn-android-application-development-y/>
- MATERIAL PALETTE WEBPAGE: - <https://www.materialpalette.com/>
- REACT NATIVE:  
<https://youtube.com/playlist?list=PLB97yPrFwo5gxB5SuNWzH73t2Su65KN2f>
- In case of any confusion or queries, you can drop a text in the data science thread in our slack channel. To join the slack channel, log in to your dashboard at <https://internship.spectrumcet.com> , and click on the bottom right slack button.

### **SOME COMMON ERRORS: -**

- Remember to activate Intel- Virtualization technology in BIOS settings so as to run the AVD.
- Remember you need to be connected to the internet every time you open your project in Android studio, so as to successfully complete Gradle Sync.
- Remember the drive where you install Android studio, so remember to create your project there in the same drive as all resources file will be stored there.

### **The above tasks are to be submitted by:**

Uploading to your GITHUB account and submit the link.

Or

Adding the files to Google drive and submit the public link.

### **LAST DATE OF SUBMISSION:**

30/06/2021