INSTRUCTIONS FOR PRACTICAL TERM END EXAMINATIONS
(Practical - TEE)

Mobile Application Development – Practical (DCA3231)

Date: 9th & 10th November 2024

Technical Contact Details: 9513850031 (For Remote Proctor)

Helpdesk Contact Details: 7996600444

Learner Manual
For
BCA Sem 6
Mobile Application Development – Practical
(DCA3231)

SYSTEM REQUIREMENTS:

Requirement	Minimum	Recommended
OS	64-bit Microsoft Windows 8	Latest 64-bit version of Windows
RAM	8 GB RAM	16 GB RAM or more
CPU	x86_64 CPU architecture; 2nd generation Intel Core or newer, or AMD CPU with support for a Windows Hypervisor Framework.	Latest Intel Core processor
Disk space	8 GB (IDE and Android SDK and Emulator)	Solid state drive with 16 GB or more
Screen resolution	1280 x 800	1920 x 1080

STEPS

1. Login to the student portal https://student.onlinemanipal.com with your university email and password.
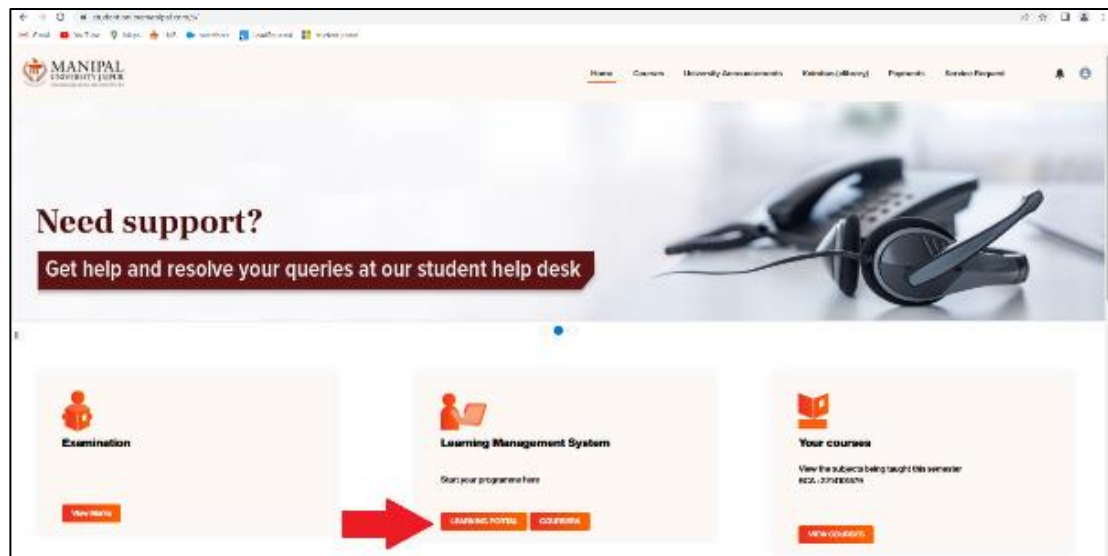

Figure 1

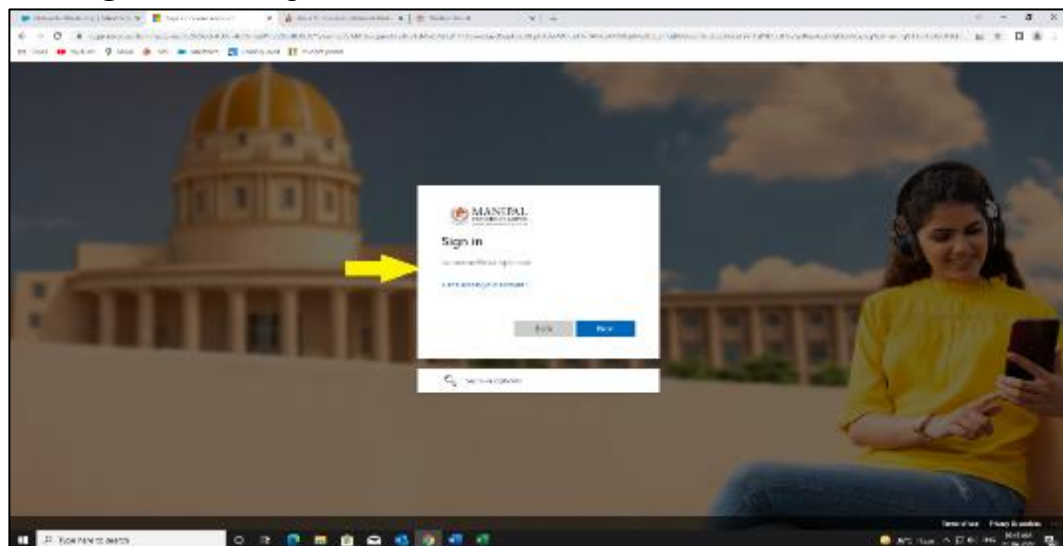2. Choose **Learning Centre** to login to LMS.

Figure 2

3. Choose course tile Mobile Application Development – Practical (DCA3231) classroom.
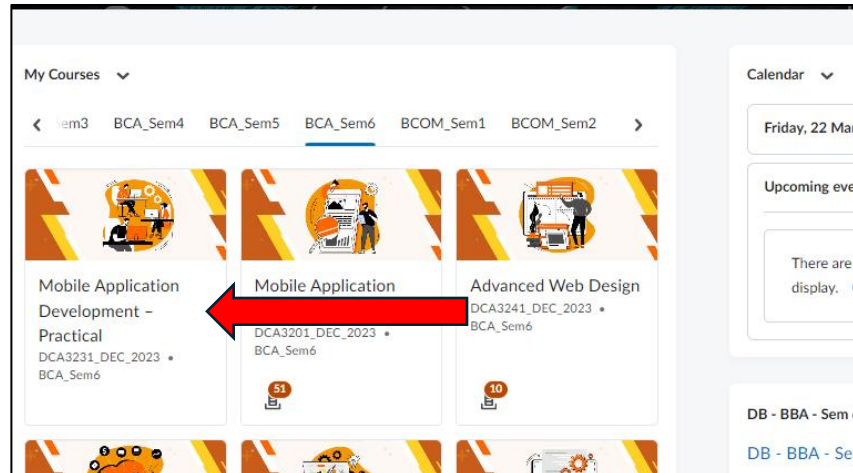
Figure 3

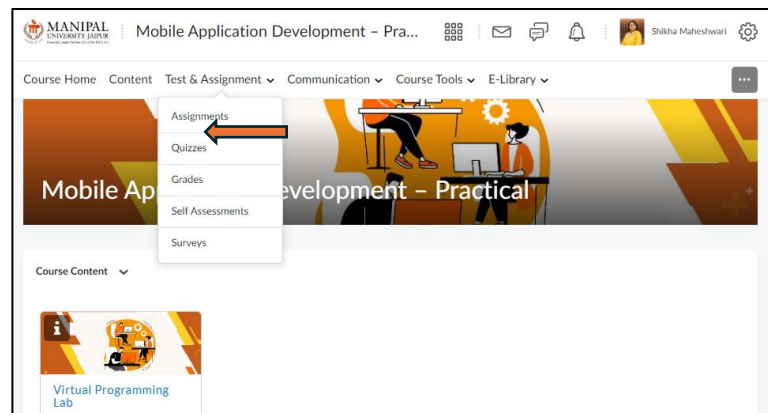4. Go to the **Test & Assignment** menu and click on **Assignments** sub-menu.

Figure 4

5. Access the **Practical TEE Question Paper and Learner Manual.** Also, read the instructions before start working on the assignment.

Figure 5

6. **Learners are required to Install Android Studio on their local machine using https://developer.android.com/studio/install.**

Follow the Steps for the Android Studio Installation:

Step A: Go to Chrome(or your preferred Browser) and search for Android Studio

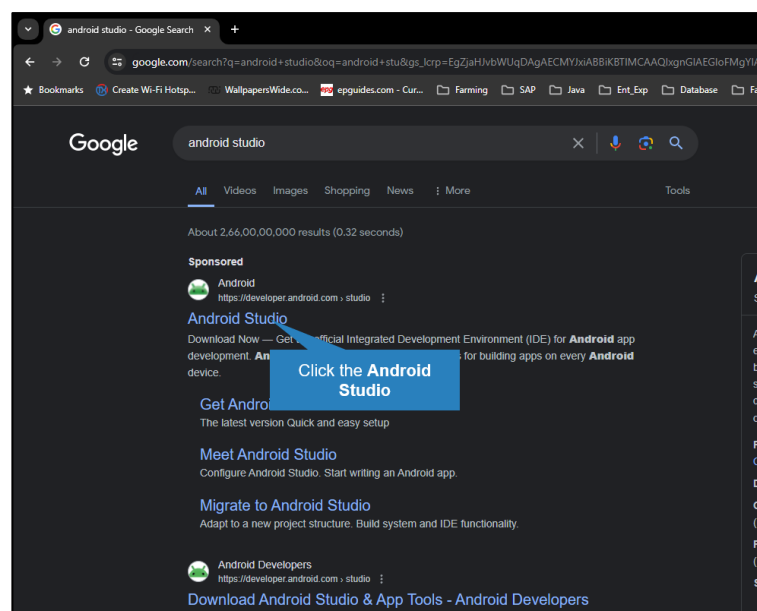Step B: Click on the link that appears first.
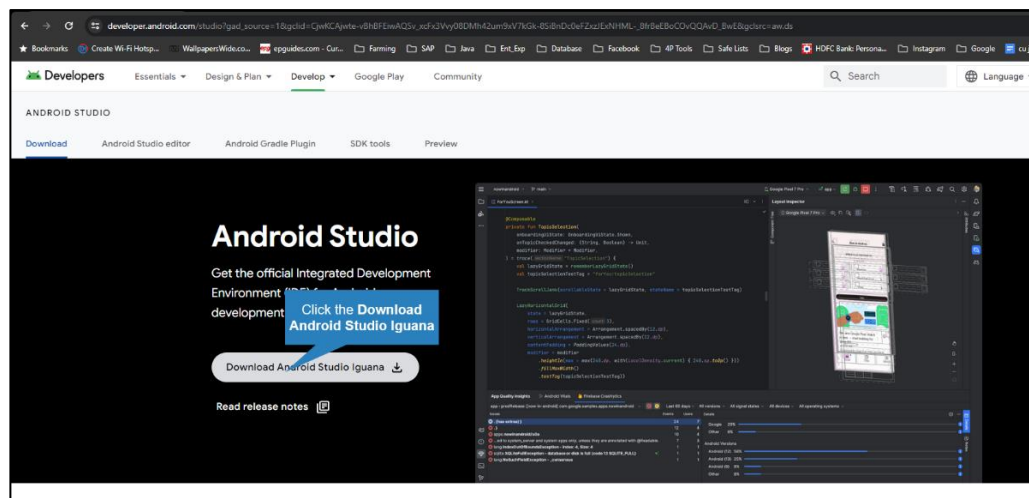

Figure 6

Step C: Click on the Download button.

Figure 7

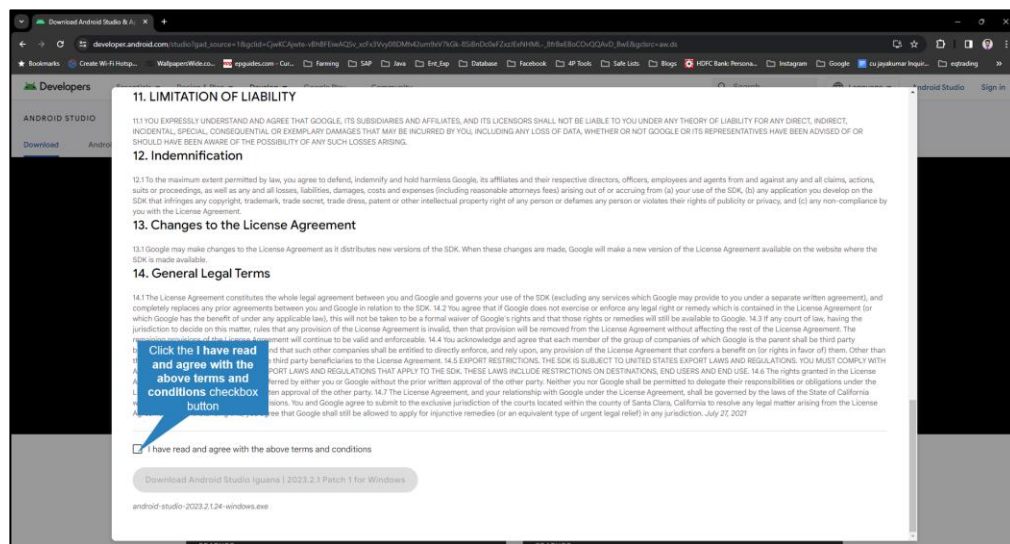Step D: Scroll down and select the check box and click on the "Download Now" button, for the download to start.
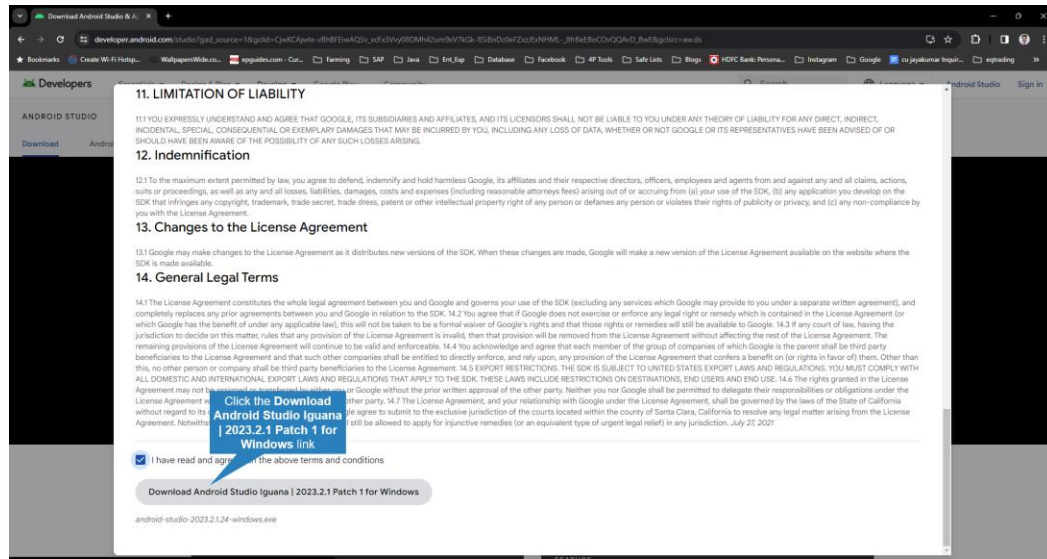

Figure 8

Figure 9

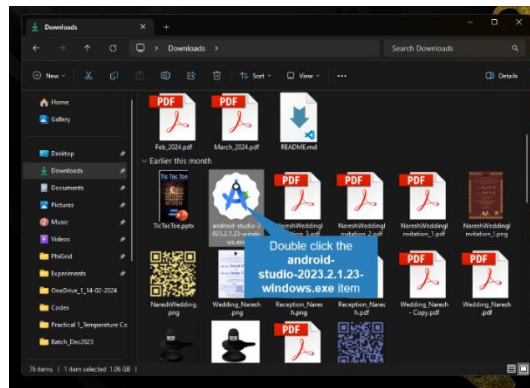Step E: Go to your Downloads Folder and double click the .exe file

Figure 10

Step F: Follow the installation window, to finish installation.

7. Create a new folder named "DCA3231IA" on your desktop, and then create 2 folders inside it, namely, Practical 1 and Practical 2. The folder should look like as follows:
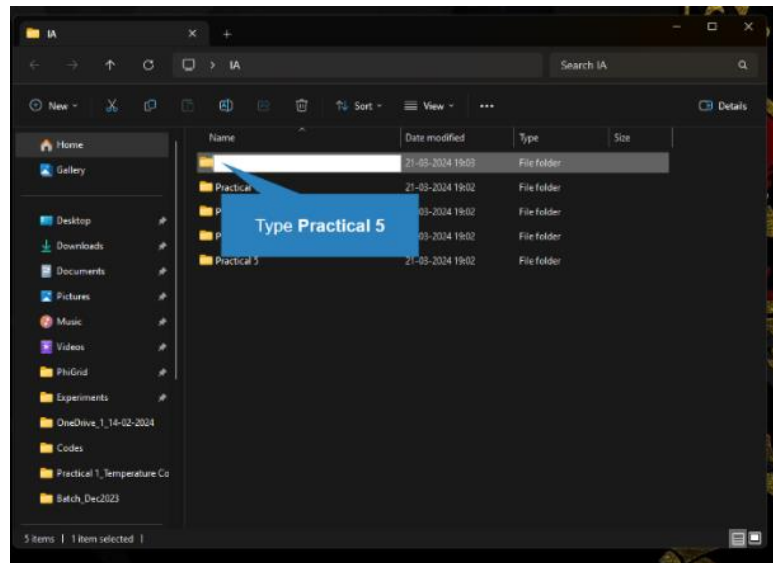
Figure 11

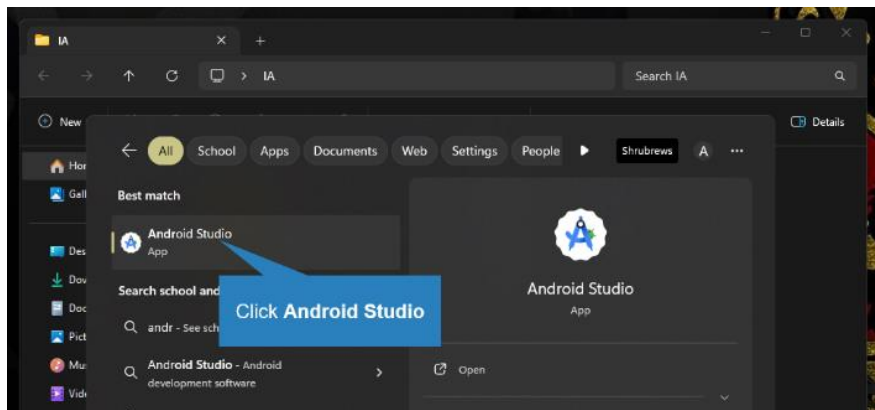8. Open Android Studio by clicking on the icon:

Figure 12

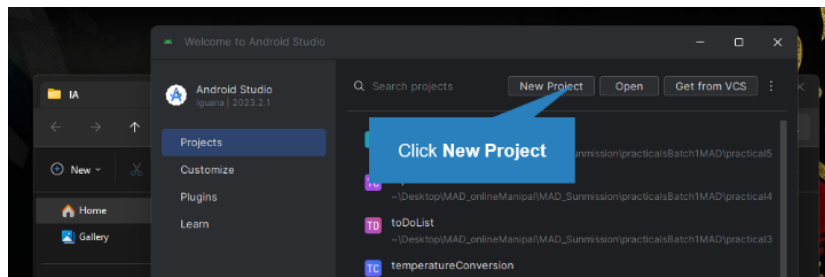9. Click on "New Project" for starting a new project.

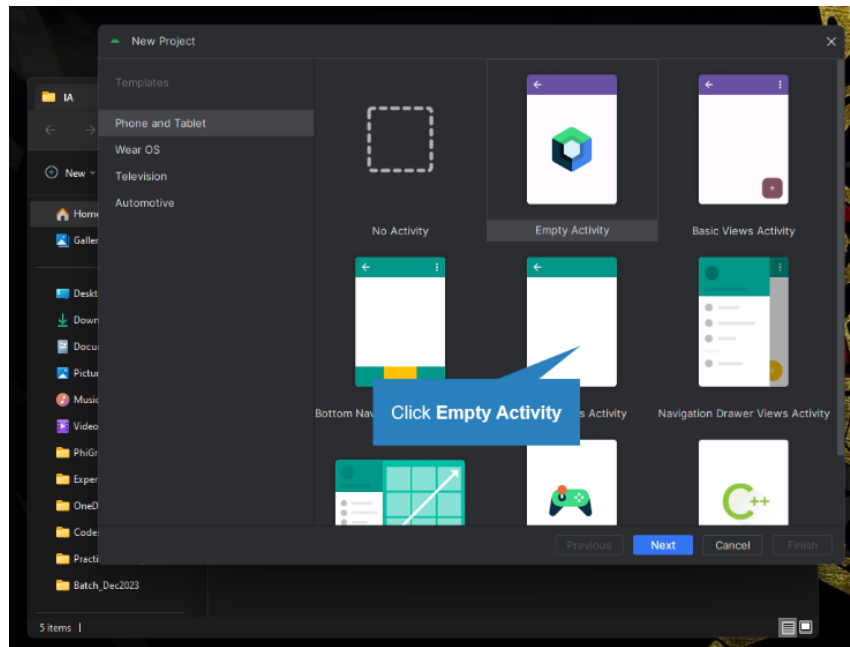*Figure 13*

10. Click on "Empty Activity"

Figure 14

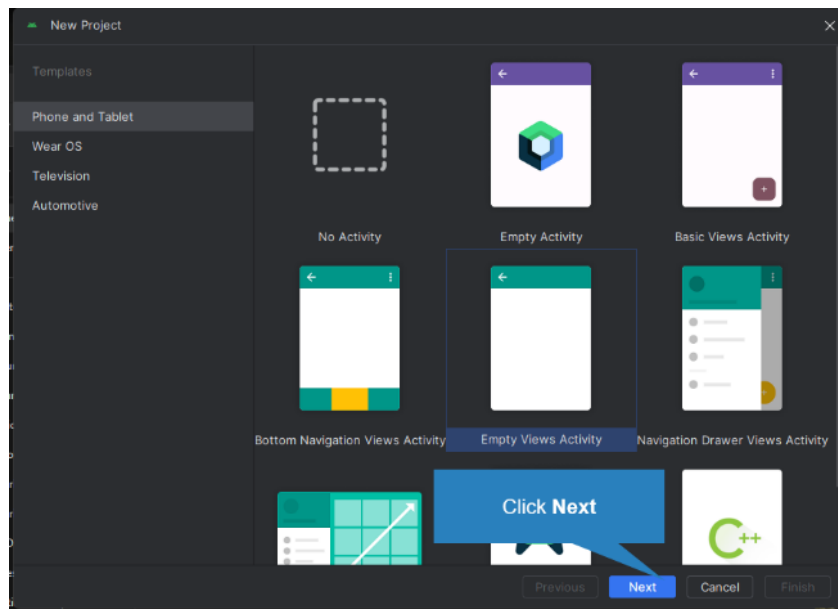11. Click on "Next" to proceed further.

Figure 15
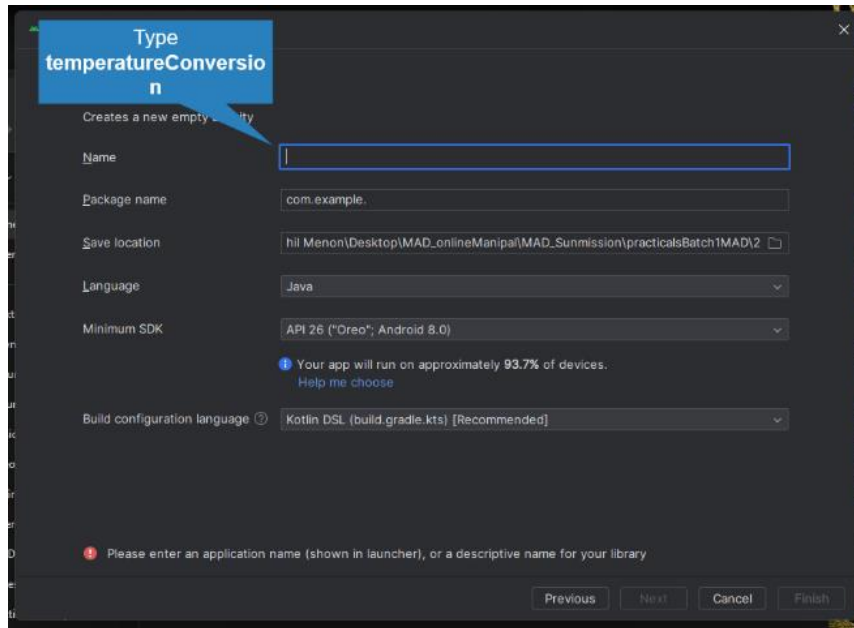
12. Provide "Name" for the new empty activity.

Figure 16

13. To specify the "Save" location, click on the folder icon and select the path according to the Question Number:
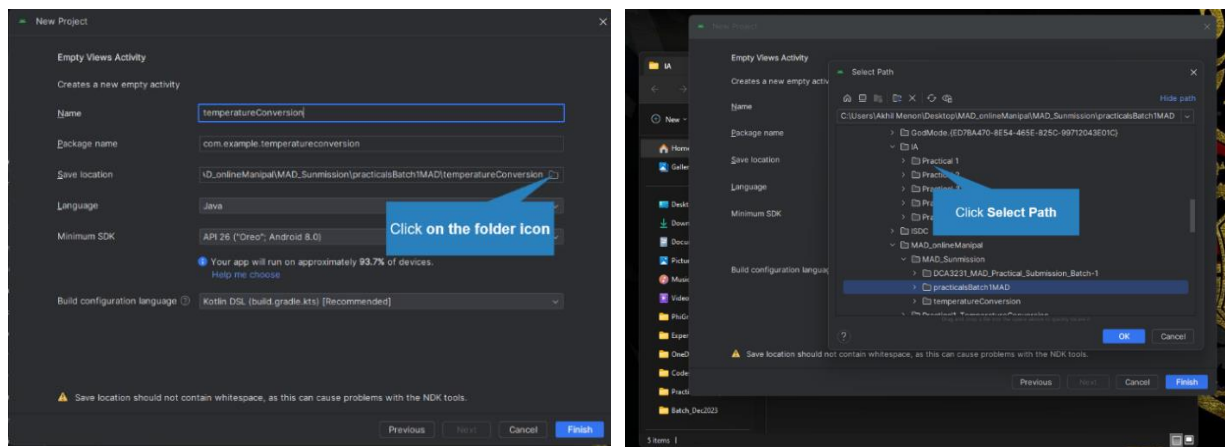

Figure 17

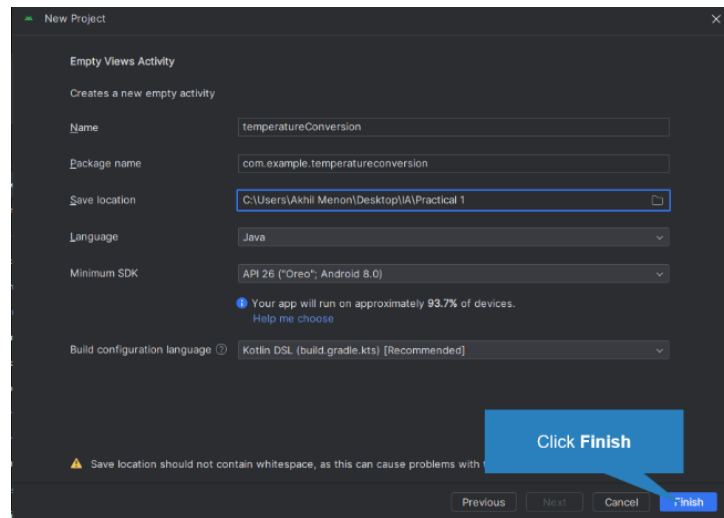14. Click on "Finish" to complete the new empty activity setup.

Figure 18

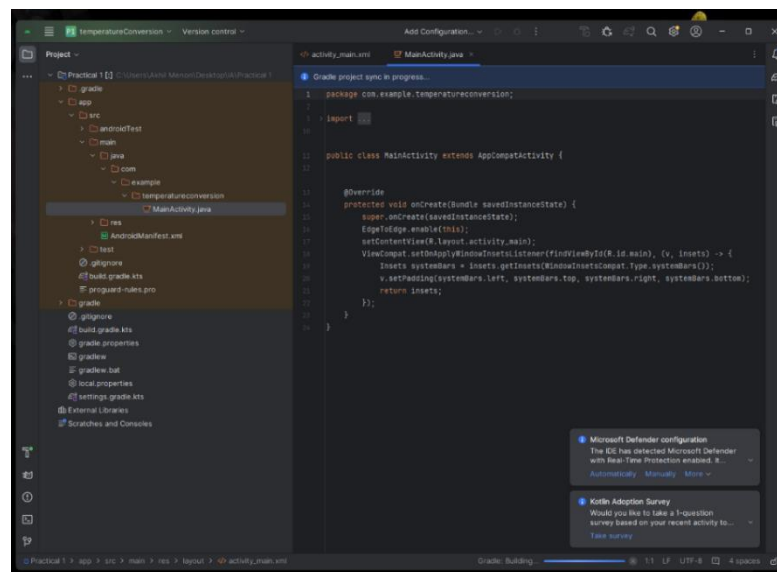15. The screen will look like as follows

Figure 19

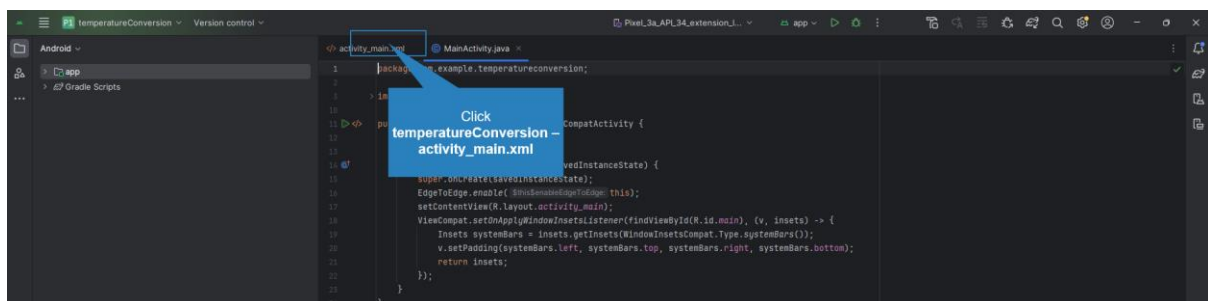16. Go to activity_main.xml, and write the UI Code
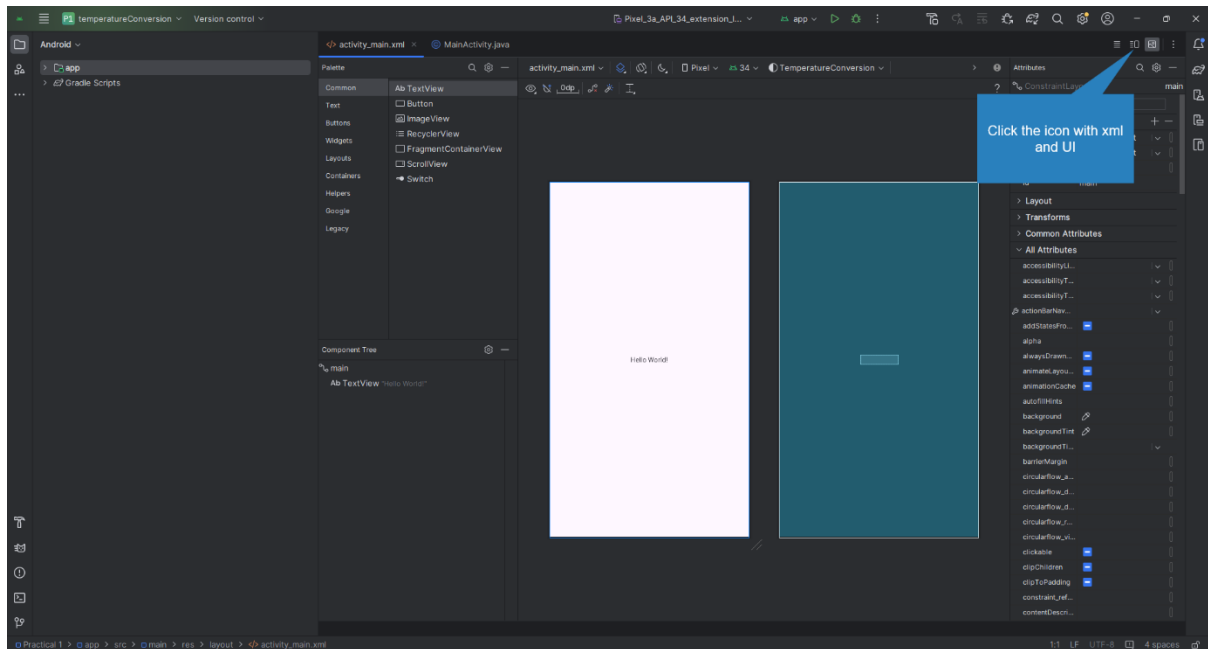

Figure 20

17. Click the icon with XML and UI
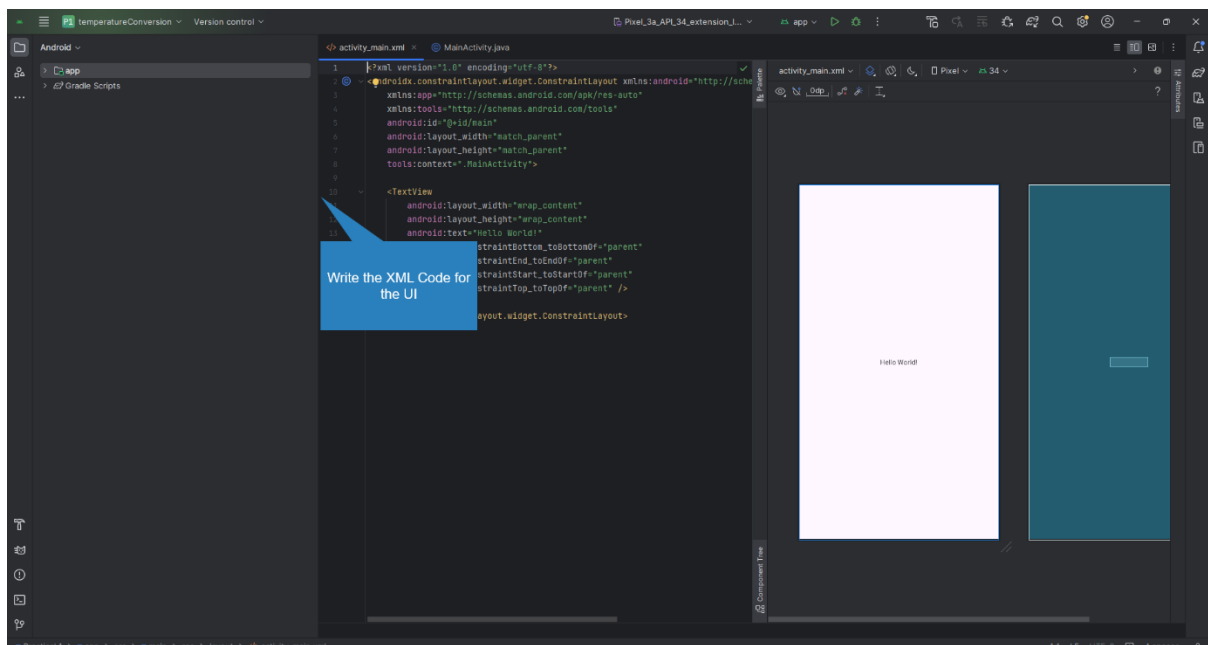
Figure 21

18. Write the XML Code for UI

Figure 22
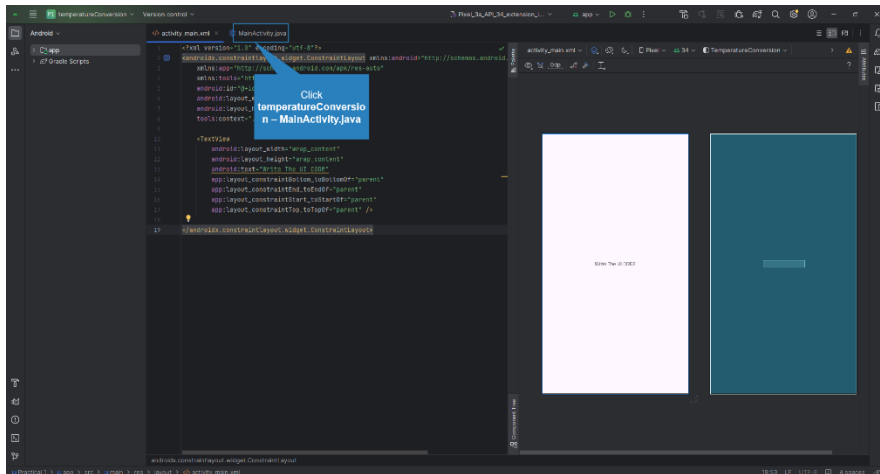
19. Go to MainActivity.java

Figure 23

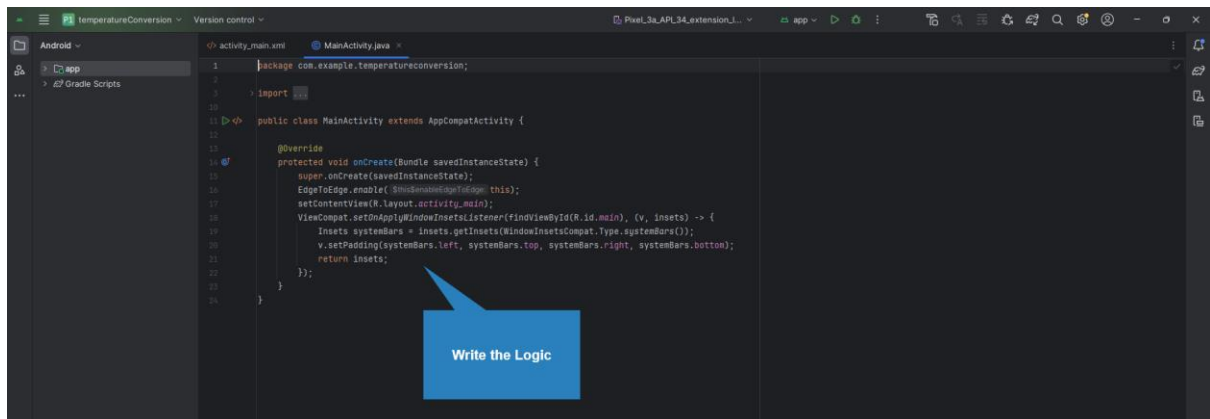20. Write the logic of the code

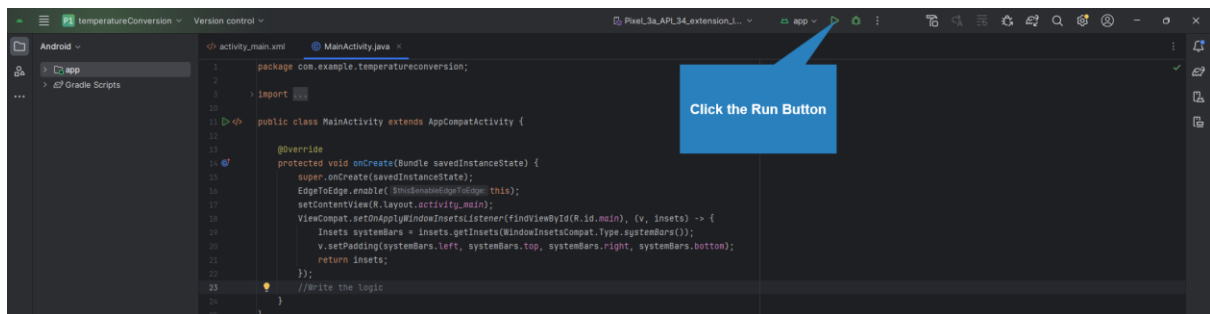*Figure 24*

21. Run the application.

Figure 25

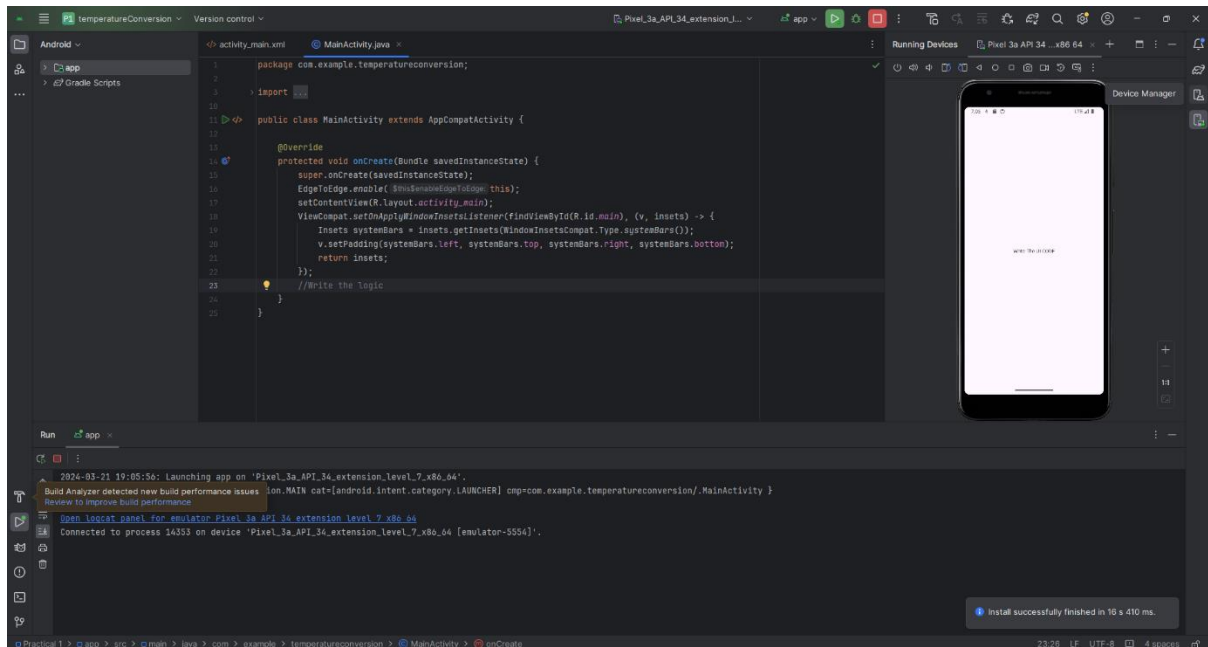22. The run will look as follows:

Figure 26

23. <mark>**Copy the code of activity_main.xml and mainActivity.java in a single word file and convert it into pdf.** Save this file in the folder of the Project. **This is a mandatory step.**</mark>
24. Repeat steps 9 to 22 for the other Practical QPs.
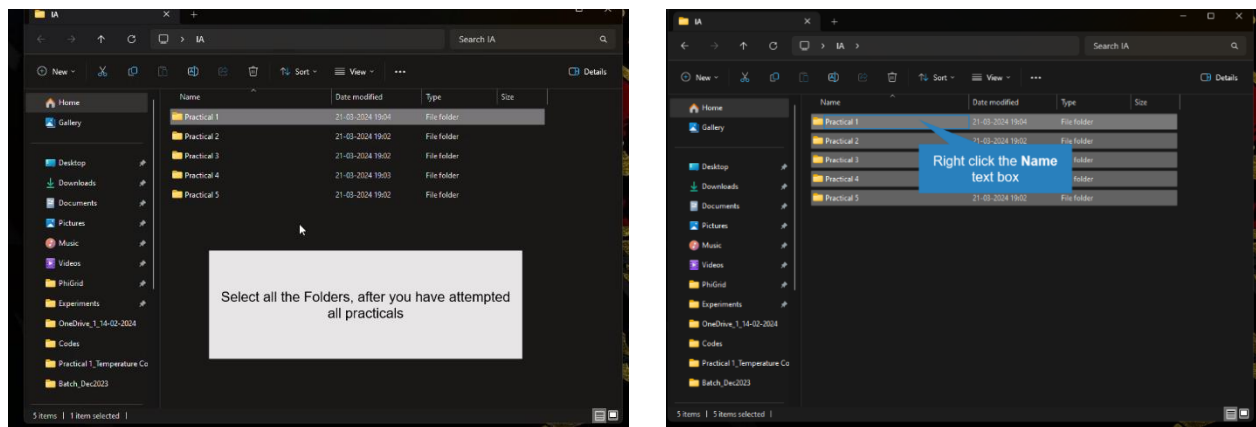25. Once All Practical is done, zip the entire folder, and rename the zipped folder to: "TEE_RollNumber>
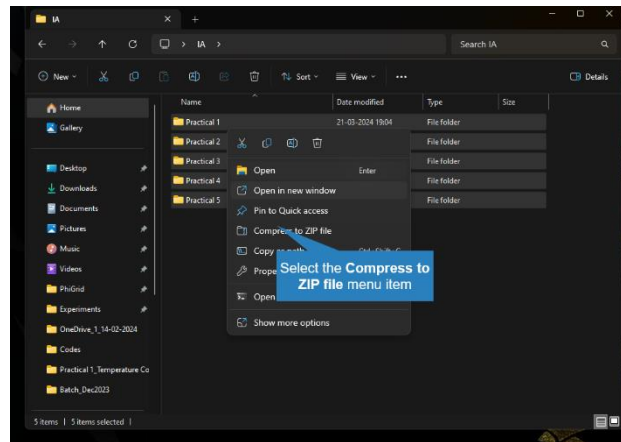

Figure 27

Figure 28

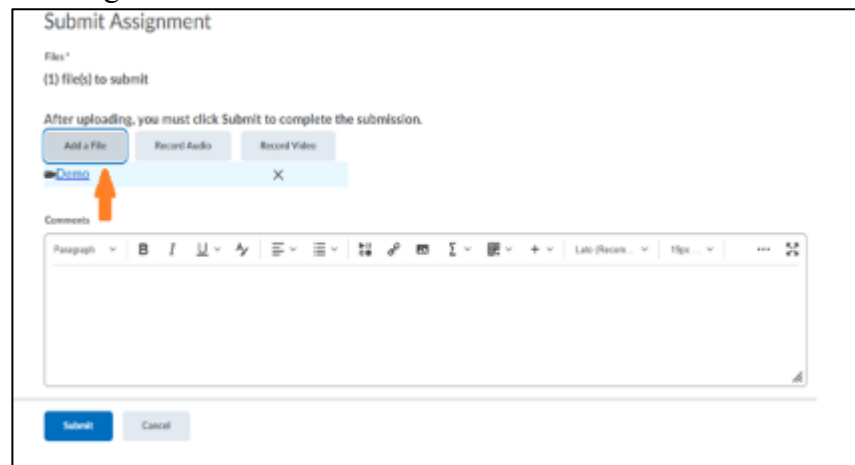26. Submit the zip file as assignment in the LMS.

Figure 29

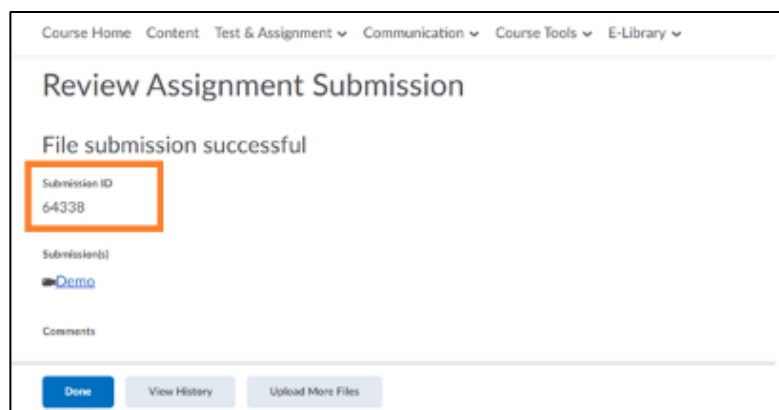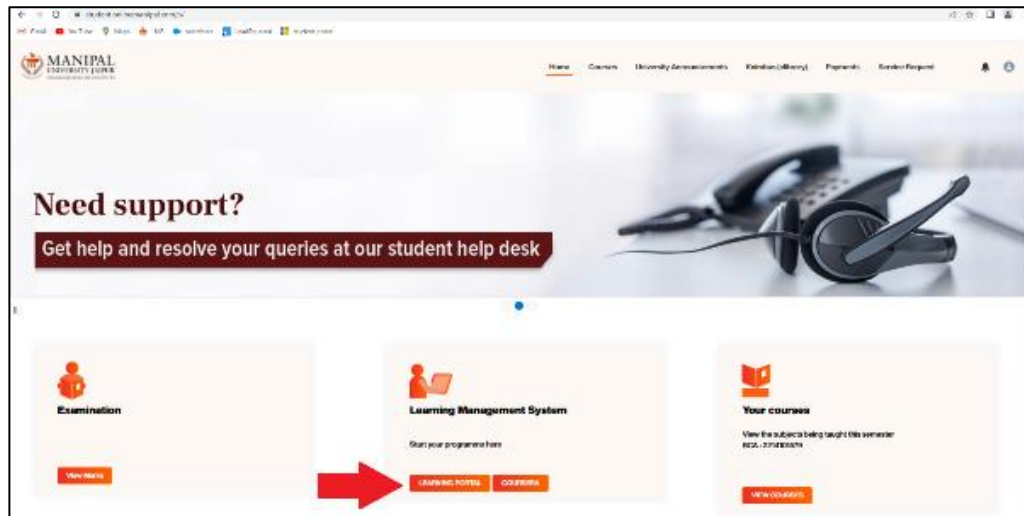27. After uploading your zipped file you will get the submission Id.,
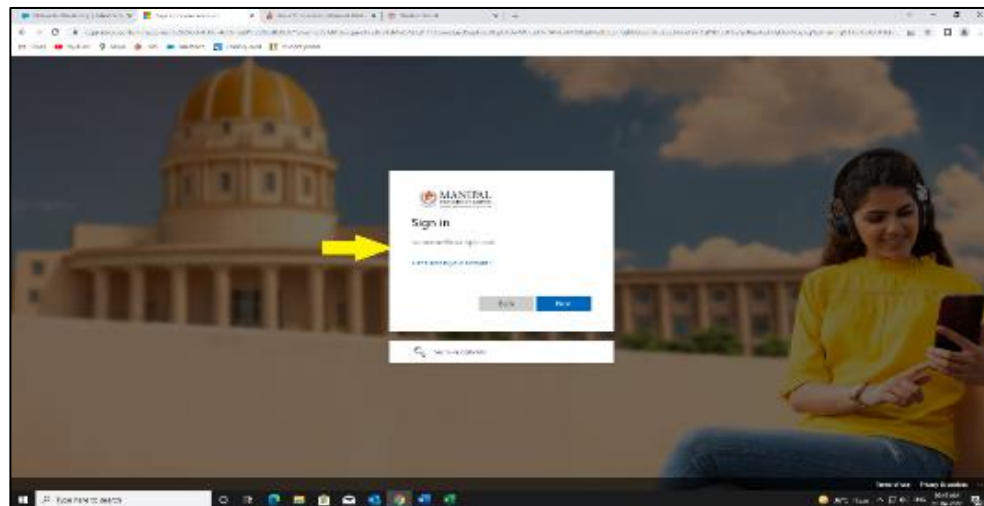

Figure 30

SECTION B
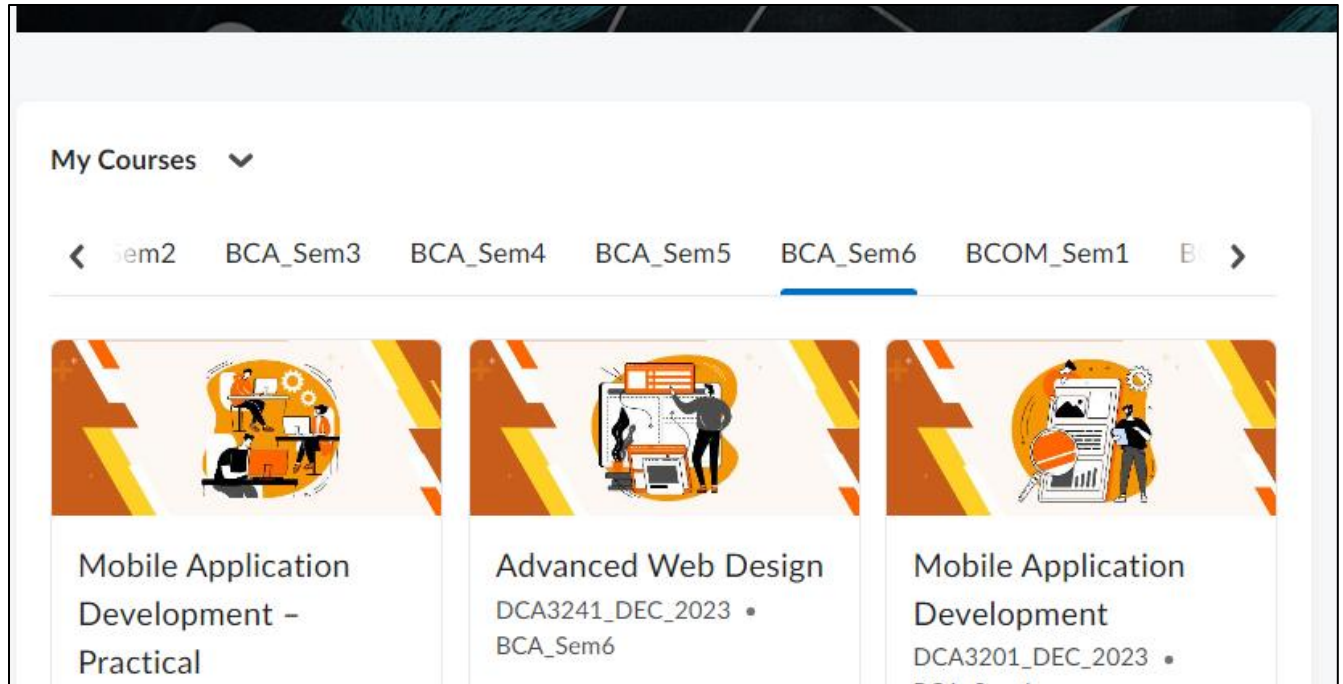
VIVA VOCE INSTRUCTIONS (Submission type : Video record)

28. Login to student portal https://student.onlinemanipal.com with university email and password.
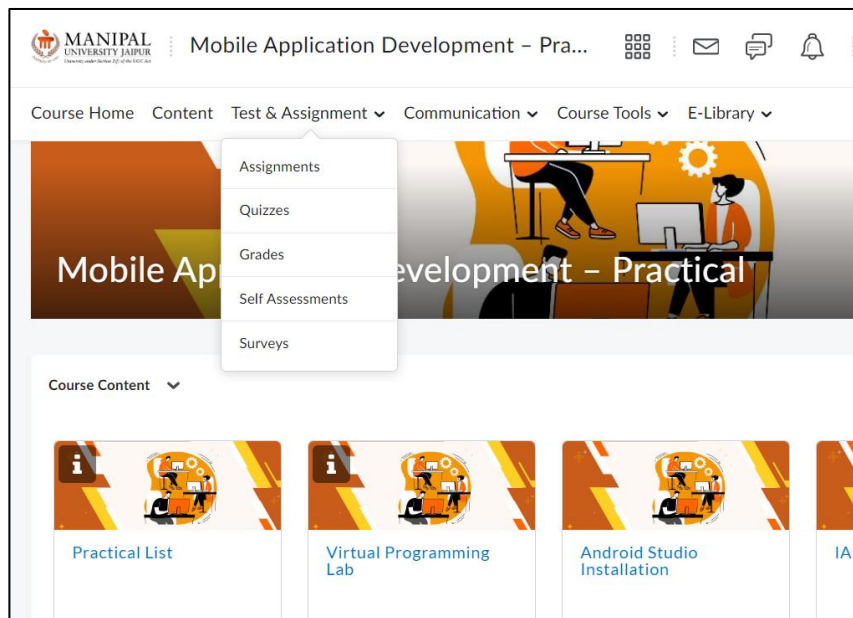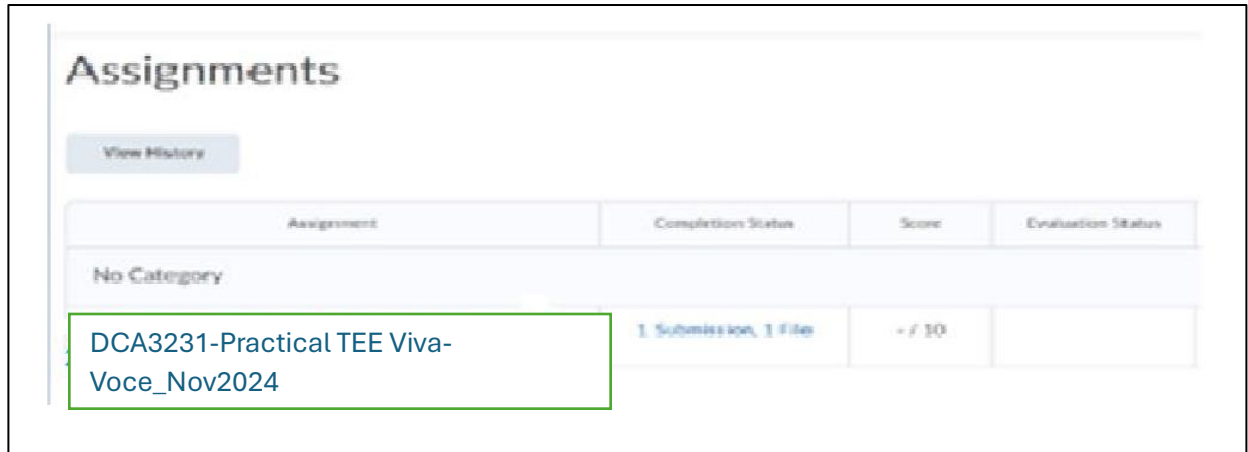

29. Choose **Learning Centre** to login to LMS.

30. Choose your respective course tile to visit viva-voce questions.

31. Go to the **Test & Assignment** menu and click on **Assignments** sub-menu and access **Term End Practical Viva-Voce**
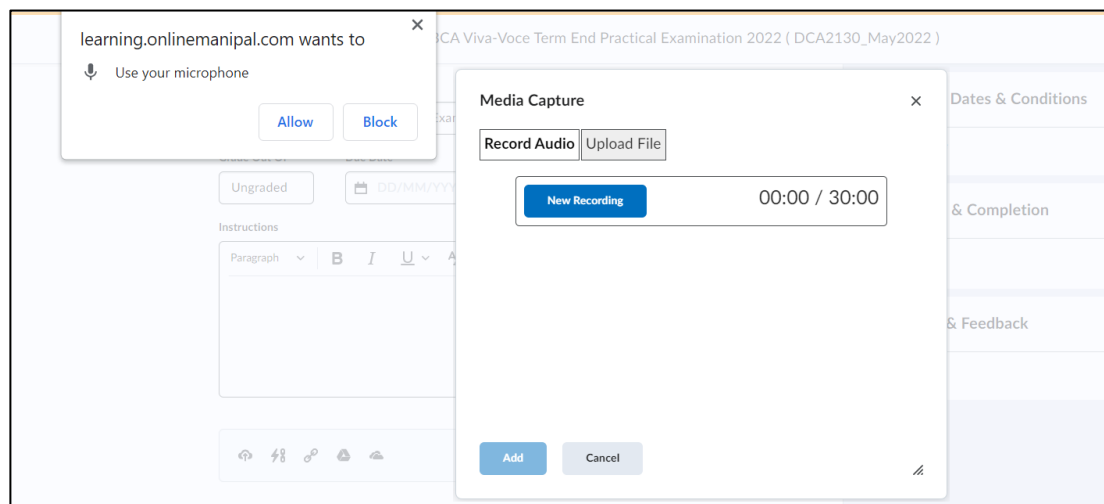

32. Click on Viva Voce option and read the viva questions.

33. Click on **Record Video** option to record your answers. (One video for all questions)

34. Click on new recording option and allow your microphone and camera.

35.   Record your video while answering viva voce questions and save it at your hard disk.

9. Provide description about your video.
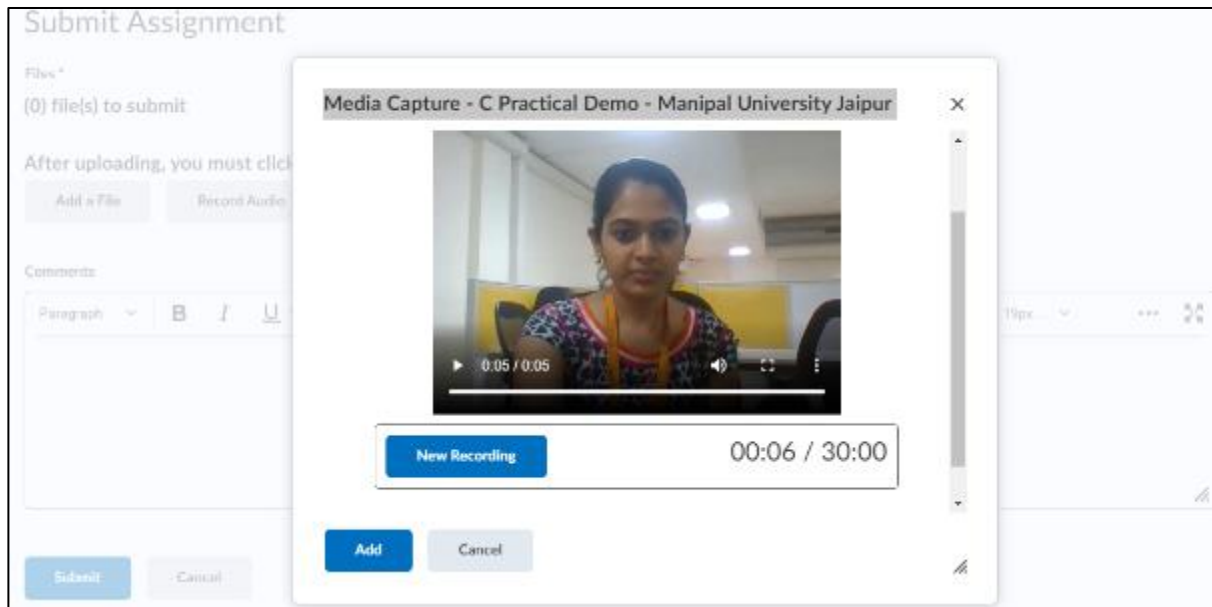
10. Click on add a file option to upload your video.
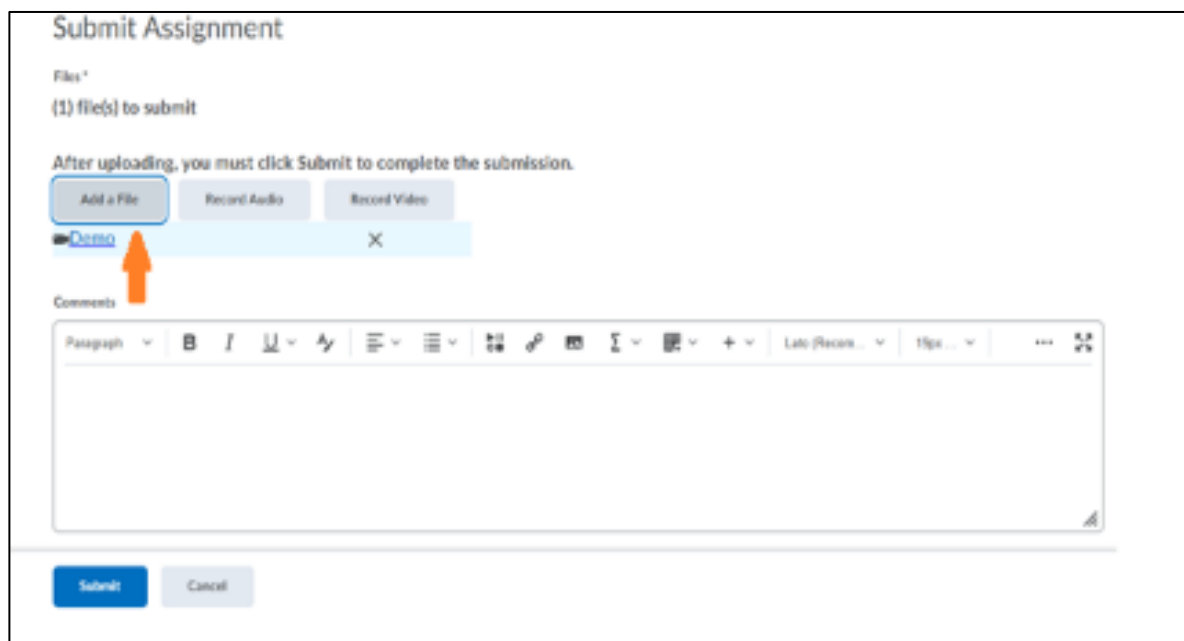
11. After upload of your video you will get a submission ID.
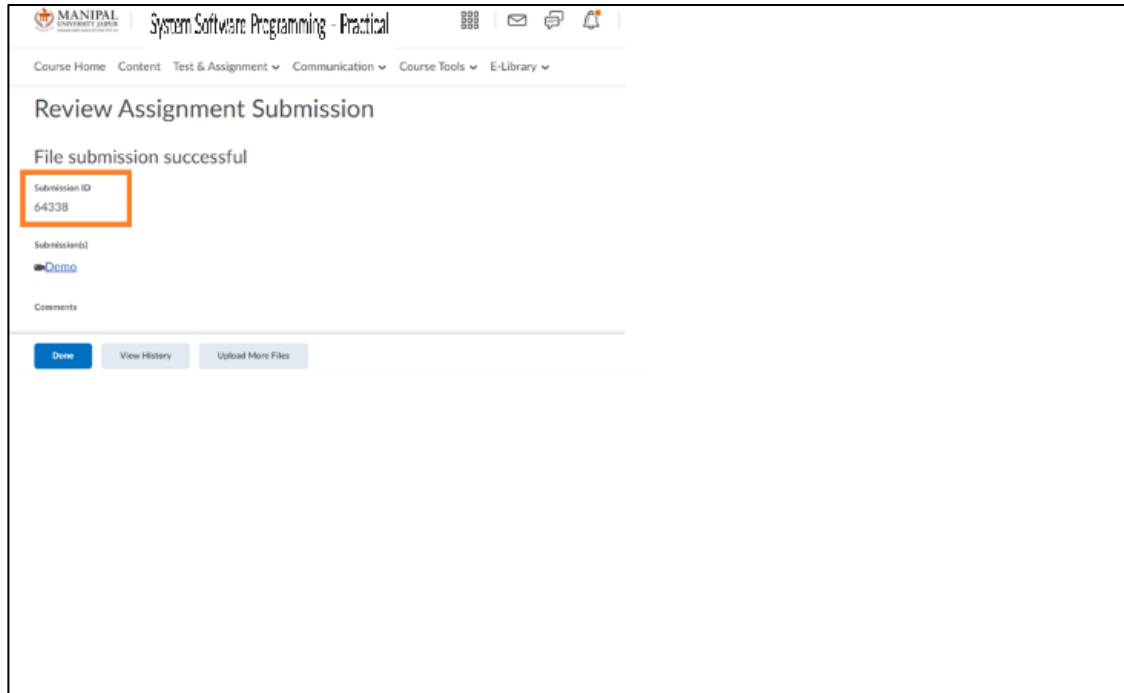
Note:

1. Document upload / Audio upload will not be considered. Submission should be video upload Only.
2. **Section B** requires recording of your viva-voce video in LMS which must be taken only after Section A is completed.
3. All viva voce questions need to be attempted.

We wish the best to you for your assessment.

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