



SURENDRANATH EVENING COLLEGE

[Established in 1961]

Affiliated to the University of Calcutta

24/2, MAHATMA GANDHI ROAD, KOLKATA - 700 009
Phone : 033 2985-9011, E-mail : snevening@ymail.com
Website : www.surendranatheveningcollege.com
(NAAC Re-accredited in 2016)



DVV clarifications: 1.2.2.1:

Report

Title of VAC: How to build an app for an android mobile phone

Year of offering: 2023

Department: Electronics

Course coordinator: Dr Abhijit Poddar, Associate Professor, Electronics.

The course introduces one to the different aspects and tools of building a mobile app on the android platform. Apart from learning to build simple native android apps, students may also learn to build web-based apps using no-code app-builders.

Click below links for detailed information:

[Notice](#)

[List of enrolled students](#)

[Banner](#)

[List of topics covered](#)

[Attendance records \(Google Meet links, Screenshots etc.\)](#)


[Images](#)

[Resources created](#)


[Certificates](#)

[Conclusion](#)

Notice:



SURENDRANATH EVENING COLLEGE
[Established in 1961]
24/2, MAHATMA GANDHI ROAD, KOLKATA - 700 009
Phone : 033 2985-9011, E-mail : svening@ymail.com
Website : www.surentranatheveningcollege.com
(NAAC Re-accredited in 2016)




Notice

Dated: 15.06.2023

A short-term add-on/certificate course on '*How to build an app for an android mobile phone*' will be conducted in online/hybrid mode by Dr. Abhijit Poddar, from the department of Electronics, in association with IQAC, Surentranath Evening College, on and from 26th June 2023.

Those interested may register for the course using the following Google Form link:
<https://forms.gle/rYvaKQeg69Xt3147A>

Prerequisites: Passed H.S. or equivalent examination and having basic knowledge of computers. A little experience of programming will be helpful but is not essential.



Principal
Surentranath Evening College
Kolkata - 700 009

[List of enrolled students](#) Click to view

Banner:



How to build an app for an android mobile phone

Short-term add-on/certificate course
Inaugural session: 26.6.2023

Department of Electronics, in association with IQAC, Surentranath Evening College,
24/2 M.G. Road Kolkata 700009



List of topics covered:

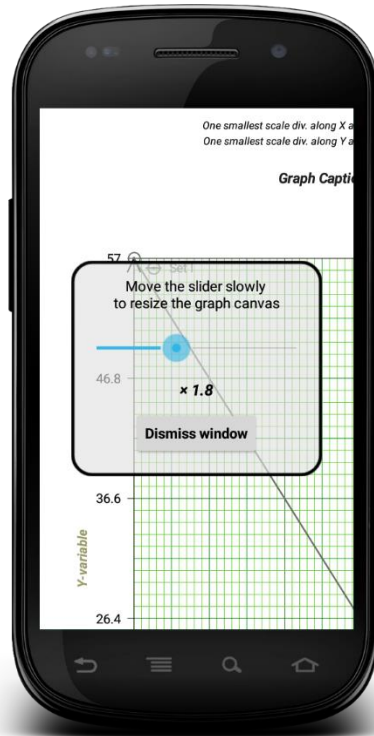
- Introduction to mobile devices and mobile communication
- Software behind the hardware
- Android mobile platform or o/s: an introduction
- Features of Android
- The Android version history
- What are Apps?
- App jargon (UI UX SDK API haptic feedback, form factor, IDE Java, Kotlin, Flutter, XML, icons, widgets, Android Studio, VS Code, Eclipse etc.)
- The Android Stack (architecture)
- How are apps developed?
- Issues to be considered: App security, performance, and compatibility
- Developing android apps in Java/Kotlin/Flutter through Android Studio.
- Types of mobile apps: Web, Native and Hybrid (Comparison and examples)
- Can we build apps without any coding? If yes, how?
- No code app builders (List and comparison)
- Building apps using no-code software.
- Distributing and sharing apps.
- Monetizing developed apps.
- Building native apps in Java/Kotlin using Android Studio.

[Attendance records \(Google Meet links, Screenshots etc.\)](#) Click to view

Images:

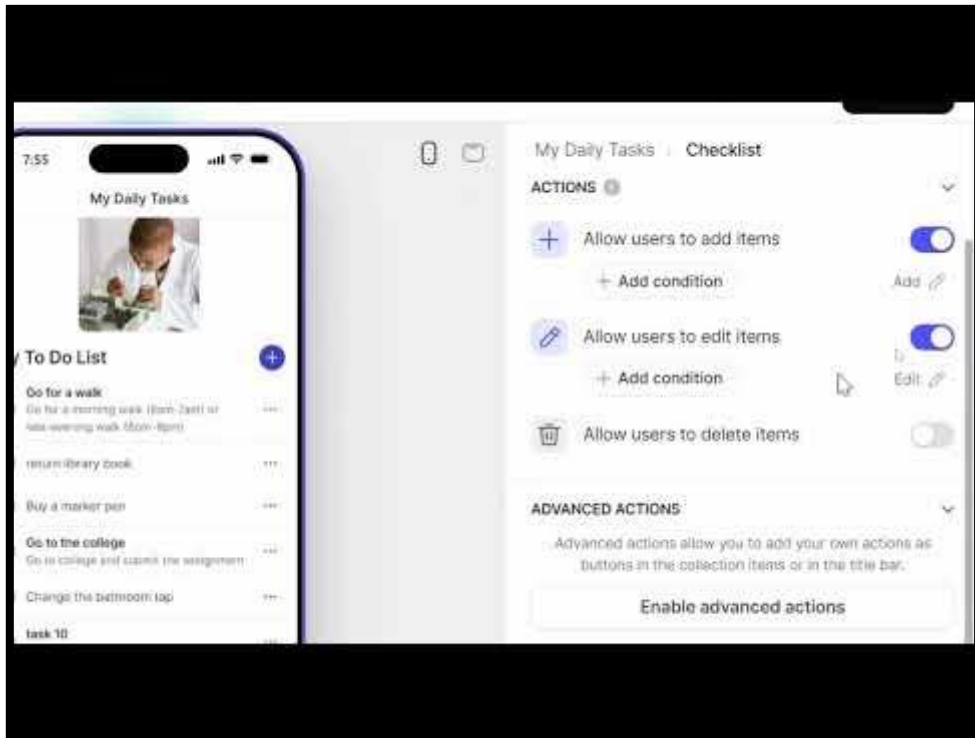


Inaugural session in progress

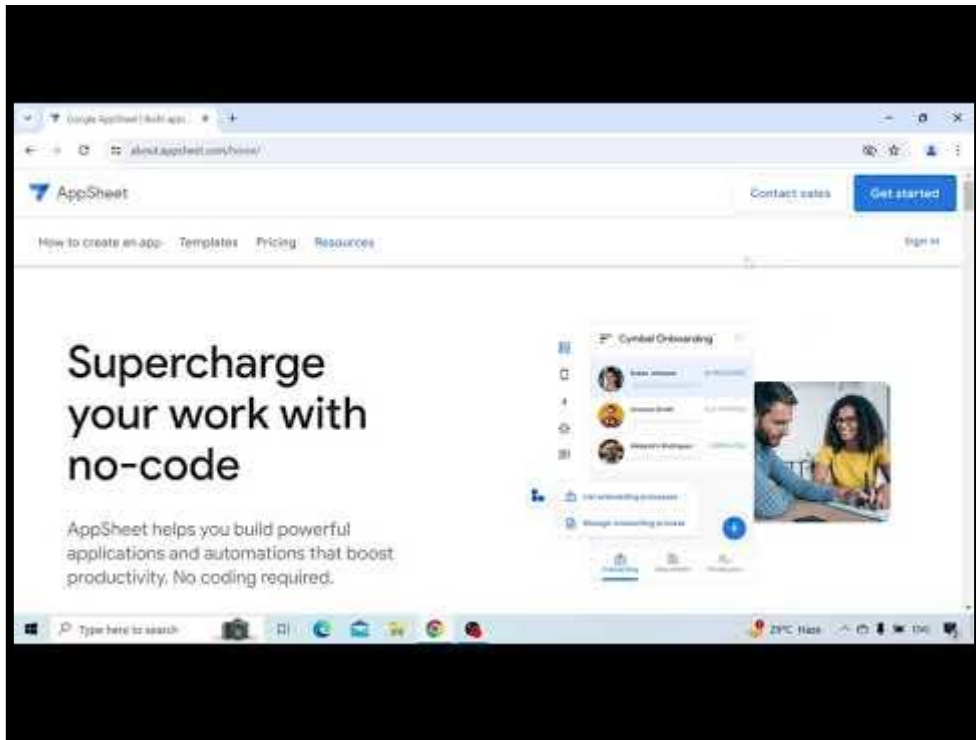


Screenshot of Android App on emulator

Resources:



YouTube resource above has been developed as part of the add-on course to help learn through an example, how to make an app using Glide without writing a line of code. Click the image above to access the YouTube video.



YouTube resource above has been created as part of the add-on course to help learn through an example, how to make an app using Google Appsheet, without writing a line of code. Click the image above to access the YouTube video. (Use of a pair of headphones is recommended as the audio may not sound well without their use!)

[Certificates](#) Click to view

Conclusion:

The course was made free for all students and participants. It was primarily held in online mode through Google Meet. Class joining links and other relevant information were shared with the students through a dedicated WhatsApp group created for the purpose. The course completion was delayed because of examinations, vacations, and other academic commitments of the course coordinator. Keeping record of attendances for online classes proved difficult. We however hope to address this difficulty in future using pertinent add-ons to Google Meet. Only soft copies instead of hard copies of completion certificates were distributed to the students because of a few constraints at our end. We hope to overcome this issue as well in future.