Add-on/ Certificate course detailed information:

Name of course: *How to build an app for an android mobile phone*

Department: Electronics

Mode: Hybrid (Online plus Offline)

Date of commencement / duration: 26th Jun 2023

Certificate on completion provided or not: Optional

Course fee: Nil / Rs 100 for those needing a certificate on completion

Course coordinator and contact email: Dr. Abhijit Poddar, *abhipod at gmail dot com*

Notice:

SURENDRANATH EVENING COLLEGE
[Established in 1961]
24/2, MAHATMA GANDHI ROAD, KOLKATA - 700 009
Phone : 033 2985-9011, E-mail : snevening@ymail.com
Website : www.surendranatheveningcollege.com
(NAAC Re-accrediated 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, Surendranath Evening College, on and from 26th June 2023.

Those interested may register for the course using the following Google Form link:
https://forms.gle/tYvaKQeg69Xt3147A

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
Surendranath Evening College
Kolkata - 700 009

Banner:

Number of enrolled participants: 200

List of topics proposed to be 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.
- Google Codelab
- 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.
- Demonstrating with examples: 1,2,3,4,5.
- Building native apps in Java/Kotlin using Android Studio.
- Demonstrating with examples: 1,2,3,4,5.
- Assignments and Quizzes.

Inaugural session in progress