



**Beyond Curriculum Training
On
" SMART DEVICES & EMERGING TECHNOLOGIES " (BCT-SDET)**



15th February – 26th February 2021

**Organized by
Narula Institute of Technology
81, Nilgunj Road, Agarpara,
Kolkata-700109, West Bengal, India**

Course Outline

This course offers an additional value for the budding engineers by providing a scope for learning and understanding with the recent advances in the field of emerging technologies. The training on this topic will enhance the knowledge in this emerging field of engineering.

Course Objective

To provide a platform to the engineering students for their skill development beyond the curriculum.

Course Outcome

After completion of this course students will be able to:

- Understand the future trend of smart devices.
- Describe the core technologies of some smart devices like Samsung Galaxy Note8 and Apple iPhoneX etc.
- Describe the advances in mobile communication.

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Course Content

Module 1:

The future trend of smart devices and mobile services.

Module 2:

The core technology and components of the world's most popular smart phones (i.e., the Samsung Galaxy Note8 and Apple iPhone X) and smart watches (i.e., Samsung Gear S3 and the Apple Watch Series 3).

Module 3:

The evolution and core technologies of mobile communications and the corresponding mobile phones.

Module 4:

The architecture, core technologies, and features of mobile communications 4G (fourth generation) and 5G (fifth generation) systems.