

**8th Summer Training Program on "Build your own Smart Device"
organised by Indira Gandhi Delhi Technical University for Women(Formerly IGIT) in collaboration with Microsoft"
From 05-06-2017 to 14-07-2017**

Tentative Training Schedule for month of June-July 2017

Day & Date		Training Topic
05 June 2017	9:00 AM - 5:00 PM IST	Inauguration of 8th STP and Introduction to MAP
06 June 2017	9:00 AM - 5:00 PM IST	Introduction to On Chip component and their access: Software component of the mobile and its role.
07 June 2017	9:00 AM - 5:00 PM IST	Introduction to OMAP architecture/ Qualcomm Snapdragon: OMAP Application, Introduction to Raspberry Pi.
08 June 2017	9:00 AM - 5:00 PM IST	Windows Phone Architecture and Programming Mobile Architecture Vs Computer Architecture Tool Chain for Windows Phone Development
09 June 2017	9:00 AM - 5:00 PM IST	Installation of OS, formatting of Mobile, Language files, Flashing etc Demo with Nokia Phone
10 June 2017	9:00 AM - 5:00 PM IST	Raspberry Pi & Its Interfaces- Introduction
11 June 2017	9:00 AM - 5:00 PM IST	Raspberry Pi & Display Interfacing with hands on session
12 June 2017	9:00 AM - 5:00 PM IST	Raspberry Pi & Communication modules with hands on session
13 June 2017	9:00 AM - 5:00 PM IST	Raspberry Pi & Sensor Interfacing with hands on session
14 June 2017	9:00 AM - 5:00 PM IST	Raspberry Pi & Multimedia with hands on session
15 June 2017	9:00 AM - 5:00 PM IST	Mobile Database -I Mobile Database -II, Telephone Module (SMS, Calling, Email), Memory Management in WP (Isolated Storage)
16 June 2017	9:00 AM - 5:00 PM IST	Introduction to Android and App Development & accessing the ON Device peripherals such as Camera, Audio, Images, Sensors etc
17 June 2017	9:00 AM - 5:00 PM IST	UI controls and Data Binding -I and Data Binding -II
18 June 2017	9:00 AM - 5:00 PM IST	Communication Services (REST services, SOAP via services, TCP, WCF and many more)
29 June 2017	9:00 AM - 5:00 PM IST	File Streaming and File Handling with real life examples
20 June 2017	9:00 AM - 5:00 PM IST	Intel Galileo Gen 2 & Its Interfaces- Introduction
21 June 2017	9:00 AM - 5:00 PM IST	Intel Galileo Gen 2 & Communication Modules with hands on session
22 June 2017	9:00 AM - 5:00 PM IST	Intel Galileo Gen 2 & Sensor Interfacing with hands on session
23 June 2017	9:00 AM - 5:00 PM IST	Intel Galileo Gen 2 & Display Interfacing with hands on session
24 June 2017	9:00 AM - 5:00 PM IST	Intel Edison & Its Interfaces- Introduction
25 June 2017	9:00 AM - 5:00 PM IST	Intel Edison & Communication Modules with hands on session
26 June 2017	9:00 AM - 5:00 PM IST	Intel Edison & Sensor Interfacing with hands on session
27 June 2017	9:00 AM - 5:00 PM IST	Intel Real Sense Camera Introduction with hands on session
28 June 2017	9:00 AM - 5:00 PM IST	Qualcomm Snapdragon - Introduction
29 June 2017	9:00 AM - 5:00 PM IST	Product Design
30 June 2017		Starts Mini project including Abstract, SRS and Technical Paper writing project implementation and document generation One Week Project Break
01 July 2017		
02 July 2017		
03 July 2017		
04 July 2017		
05 July 2017		
06 July 2017		
07 July 2017		Cloud Computing, platforms, issues and future
08 July 2017		Mobile Security Issues, challenges & future
09 July 2017		Designing your "My Mobile Device" & Customizing the Mobile Operating System: Linux and Android for "MyDevice"
10 July 2017		Project Completion
11 July 2017		Expert Lecture on Product Packaging
12 July 2017		Project Packaging
13 July 2017		Project Presentation & Future Directions and R&D
14 July 2017		Further project Assignment (To continue with practice and for their final year project), Feed Back and Discussion, Valedictory(Award and Certificate Distribution, formation of "Indian Mobile Architecture and Programming Chapter")

