



Indira Gandhi Delhi Technical University For Women

(Established by Govt. of Delhi vide Act 09 of 2012)

Kashmere Gate, Delhi - 110006

Summary Report

Date: 18/07/16

On

7th Summer Training Program on "Build Your Own Smart Device"

7th Summer Training Program on "Build Your Own Smart Device" was conducted by **Prof. S. R. N. Reddy**, Department of CSE in collaboration with Microsoft, Intel and MHRD. This includes the interactive hands on sessions with a projects based on above technologies. This program aim to bridge the gap between academics and industry by providing the practical platform and cutting edge technology into the class room in collaboration with Industry from 06th June, 2016 to 15th July 2016. There was some experts from Microsoft, ARM, Intel and Atmel with whom we have collaboration. Project staff and dept faculty was also be engaged for some sessions (Lab/projects). Students from various courses, departments and colleges took part in this workshop. Approx. 50 students registered.

Following basic topics were discussed:

Programming of on-device peripherals e.g. Camera, Audio/Video, GPS, GSM, Bluetooth, Accelerometer, Gyroscope, Microphone etc. based on

- ♣ Intel Galileo Gen-2
- ♣ Intel Edison
- ♣ Raspberry Pi
- ♣ Qualcomm Snapdragon
- ♣ ARM base Freedom Board

During the practical sessions, students executed various experiments of Internet of Things. Students performed the hands-on session based on these techniques. Students were given advanced case study-based programming exercises to be performed in the STP sessions based on the topics mentioned above.

Coordinator

Prof. S. R. N. Reddy

CSE Department, IGDTUW