

## **National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh**

National Institute of Technical Teachers Training and Research, Chandigarh, an ISO 9001-2008 certified institute, is one of the four national institutes established by the Government of India in 1967 for the growth and development of technical education in the country. It is now reckoned as a resource institute for the technical education system providing services to its clientele covering faculty/staff of technical institutions, officials of directorates/boards of technical education, central and state government departments, industry, students from technical institutes, community and trainees from overseas. The institute undertakes the following spectrum of activities: Education and Training Programmes, Curriculum Development, Instructional Material Development, Research and Development, Extension Services, Consultancy in Technical Education and Technology areas. The institute offers industry-oriented and practice-based Master's Degree Programmes affiliated to Panjab University, Chandigarh in five disciplines. Three ME Programmes, viz., ME in Computer Science & Engineering, ME in Electrical Engineering (Instrumentation and Control), and ME in Electronics & Communication Engineering are accredited by National Board of Accreditation (NBA), New Delhi. The institute has been recognized as a 'Research Centre' by Panjab University, Chandigarh (in 2006) as well as by Punjab Technical University, Jalandhar/Kapurthala, Punjab (in 2005) for pursuing research work leading to the degree of Doctor of Philosophy i.e. Ph.D.

## **Indira Gandhi Delhi Technical University for Women, Delhi**

Indira Gandhi Delhi Technical University for Women (IGDTUW) has been upgraded from Indira Gandhi Institute of Technology in May 2013 vide Delhi State Legislature Act 9, 2012, as a non-affiliating teaching and research University at Delhi to facilitate and promote studies, research, technology, innovation, incubation and extension work in emerging areas of professional education among women, with focus on engineering, technology, applied sciences, management and its allied areas with the objective to achieve excellence in these and related fields.



## **Short Term Course on “Mobile Computing and Application Development” 11-15 March, 2019**



Organized By

**Department of Computer Science and Engineering  
National Institute of Technical Teachers Training and Research  
(NITTTR) Chandigarh**



**Indira Gandhi Delhi Technical University for Women, Delhi**

## Objectives of Course is to Provide

- Hands-on experience of interfacing various smartphone peripherals.
- Hands-on experience of interfacing various communication modules such as GSM, GPS, Bluetooth, Wi-Fi etc.
- Hands-on experience of mobile application development
- Hands-on experience of integrating various interdisciplinary modules such as sensors, cloud computing, Application development.

## Course Content

- Interfacing various smartphone peripherals such as camera, sensors (Accelerometer, Proximity, Light etc)
- Interfacing various communication modules such as GSM, GPS, Bluetooth, Wi-Fi etc.
- Mobile application development using Python & android studio.
- Integrating sensors and cloud

## Course outcome

At the end of this course participants will be able to understand the Mobile architecture, Interface various sensors, communication modules, integration with cloud & mobile application development

## Registration:

1. **Apply online for the STC :** [Click Here](#)
2. Upload your sponsorship or, Permission letter from competent authority of your institution.

## Resource Persons

The topics and hands on sessions will be handled from eminent Resource persons from NITTTR Chandigarh, IGDTUW Delhi, IIT Delhi, IP University Delhi.

## Instructions:

1. There is *no course fee for participants from AICTE approved technical institutions (Engineering & Polytechnic).*
2. *The participants from Industry/Educational Institutions (other than Technical Institutes) and TEQIP-III sponsored Institutions may attend this course after paying the course fee of Rs. 5000/- + 18% GST and avail Boarding and lodging facilities on payment basis.*
3. Free boarding and lodging will be provided to all the participants during training programme.
4. Traveling Allowance will be paid as per institute norms (restricted to 3rd AC) to the participants from Govt./Govt. Aided Engineering/Polytechnic colleges.
5. No TA/DA will be provided to participants from Private colleges/Private Universities/Govt. Universities.

## Course Coordinators from NITTTR, Chandigarh:

**Dr. C. Rama Krishna, Professor, CSE,**  
**NITTTR Chandigarh,**

Contact No. 0172-2759670, Email id- [rkc\\_97@yahoo.com](mailto:rkc_97@yahoo.com)

**Dr. Rakesh Kumar , Assistant Professor, CSE,**  
**NITTTR Chandigarh,**

Contact No 0172-2759787, Email id- [rakeshdhiman@nitttrchd.ac.in](mailto:rakeshdhiman@nitttrchd.ac.in)

## Course Coordinators from IGDTUW, Delhi:

**Prof. SRN Reddy**

Email id -[srnreddy@igdtuw.ac.in](mailto:srnreddy@igdtuw.ac.in)

**For any further clarification, please contact:**

# STC on “Mobile Computing and Application Development”

At

Indira Gandhi Delhi Technical University for Women,

Delhi

from 11.03.2019 to 15.03.2019

*Dr. Rakesh Kumar, Assistant Professor, CSE*

**Course Coordinators from IGDTUW, Delhi:**

Prof. SRN Reddy, *Professor, CSE*

## Resource Persons

Prof. PVM Rao, Professor, IIT Delhi

Prof. B. V. Ramana Reddy, Professor, GGSIPU, Delhi

Mr. Bramha S. Tripathi, Senior Project Associate-Project-MEK-3,

IGDTUW, Delhi

Ms. Manasi Mishra, Pre-Incubation Fellowship -Project-DIC-MHRD,

IGDTUW, Delhi

Mr. MD Shams Tabrez, Project Associate-Project-DIC-MHRD,

IGDTUW, Delhi

Prof. SRN Reddy

DATE	10:00 a.m. to 11:30 a.m.		11:45 a.m. to 1:15 p.m.		2:15 p.m. to 4:00 p.m.
<b>11.03.2019 (Monday)</b>	Registration and Inauguration		Introduction to Wireless Communication and Mobile Computing by <b>Dr. Rakesh Kumar</b>		Introduction to Mobile Computing by <b>Prof. SRN Reddy</b>
<b>12.03.2019 (Tuesday)</b>	Introduction of Python Programming & interfacing with hardware By <b>Prof. SRN Reddy</b>	TE A B R E A K	Mobile Application Development using MIT App By <b>Ms Manasi Mishra</b>	L U N C H B R E A K	Hands on Session Mobile app development using MIT App <b>(Ms. Manasi Mishra)</b>
<b>13.03.2019 (Wednesday)</b>	Mobile Computing & Communications: Issues and Challenges By <b>Prof. B. V. R. Reddy, GGSIPU, Delhi</b>		Smart Phone Peripheral Interfacing using Python Programming By <b>Prof. SRN Reddy</b>		Hands on Session on Smart Phone Peripheral Interfacing <b>(Mr MD Shams Tabrez &amp; Mr. BS Tripathi)</b>
<b>14.03.2019 (Thursday)</b>	Smartphone Communication Module Interfacing using Python Programming By <b>Prof. SRN Reddy</b>		Cellular Technologies by <b>Dr. Rakesh Kumar</b>		Hands on Session on Smart Phone Communication Module <b>(Mr. BS Tripathi &amp; Mr. MD Shams Tabrez)</b>
<b>15.03.2019 (Friday)</b>	Design & Innovation and Tinkering By <b>Prof. PVM Rao IIT, Delhi</b>		Security Issues in Mobile Computing by <b>Dr. C Rama Krishna</b>		Valediction / Feedback

**Course Coordinators from NITTTR, Chandigarh:**

*Dr. C. Rama Krishna, Professor, CSE*

# STC- Course Participants LIST

## STC on "Mobile computing and Application Development " Registration Details

Sr. No.	Name	Qualification	Designation & Department	Institute Name	Gender	Category	Mobile Number
1	AARTI GAMBHIR	Msc	Senior technical Assistant,CSE	IGDTUW	Female	GEN	9871286860
2	AKASH TAYAL	Ph.D.	Assistant Professor,ECE	IGDTUW	Male	GEN	9871144747
3	AMIT AGRAWAL	M.Tech	Assistant Professor,Architecture and planning	IGDTUW	Male	GEN	9999232630
4	APARNA JHA	Ph.D	Teaching Assistant	IGDTUW	Female	GEN	8826865369
5	ARUNIMA JAISWAL	M.Tech	Assistant Professor,CSE	IGDTUW	Female	OBC	8851556455
6	CHANDRA PRAKASH	Ph.D.	Assistant Professor,IT	IGDTUW	Male	ST	7568599806
7	DINESH GANOTRA	Ph.D	Assistant Professor,	IGDTUW	Male	GEN	9818129793
8	GREESHMA ARYA	M.Tech	Assistant Professor,ECE	IGDTUW	Female	SC	9650119722
9	INDRA THANAYA BUSAKALA	M.Tech	Assistant Professor,CSE	IGDTUW	Male	SC	9810989254
10	KANCHAN SHARMA	M.Tech	Assistant Professor,ECE	IGDTUW	Male	GEN	8587912495
11	KHYATI AHLAWAT	M.Tech	Assistant Professor,CSE	IGDTUW	Female	SC	9899787063
12	M. GANGADHARAPPA	Ph.D.	Associate Professor,ECE	AIACTR Delhi	Male	GEN	9868257435
13	MANOJ SONI	Ph.D.	HOD MAE	IGDTUW	Male	GEN	9971223177
14	MD EJAZ ASLAM LODHI	M.Tech	Assistant Professor,ECE	IGDTUW	Male	GEN	9818936431
15	MOHONA GHOSH	Post Doc	Assistant Professor,IT	IGDTUW	Female	GEN	9811994441



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