



Android programming & applications

7th – 12th Mar. 2022

<http://www.mnit.ac.in/eict>



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Preamble (Electronics & ICT Academy)

Government of India had announced a National Policy on Skill Development, which has set a target of skilling 500 million people by 2022 in the domain of Electronics & IT. Under the plan scheme of “Digital India Manpower Development”. MeitY has set up seven (07) Electronics and ICT Academies as a unit in 03 IITs, 03 NITs and 01 IIIT with an objective of faculty/mentor development/up gradation in the areas related to Electronics & ICT leading ultimately to improved employability of graduates/diploma holders. MNIT Jaipur has set up such an academy for providing specialized training to faculty and industry persons in the states/UTs of Rajasthan, Gujarat, Daman & Diu, Dadra Nagar Haveli.

(A) Issues-

1. IT Hardware and Electronics Manufacturing industry- availability of properly trained, skilled and qualified manpower
2. Number of quality PhDs generated in IT / Computer Science is very low
3. In E & ICT domain- there is a very high degree of obsolescence of existing technologies and faster emergence of newer technologies

(B) Approach-

1. A focused faculty training/updation programme for IT, Electronics, and related sectors
2. Spreading up and continuous updation regarding Emerging Technology
3. Training and consultancy services for Industry
4. Design, Develop and Deliver specialized modules for specific research areas and Industry
5. Providing advice and support for technical incubation and entrepreneurial activities

The course has been designed to impart programming knowledge and skills required for being an effective researcher/teacher within the domain of **Android Programming & Applications**. The Course is open to faculty, persons from industry, doctoral and other students. This workshop will have specific expert-led sessions which include sessions on mobile app development, android software development, SDK, interface utility and various applications. The programme will give opportunities to connect with experts for research orientation.

Experts/Speakers- From IITs/NITs/industries/organization abroad

Course Contents:

- Mobile Ap development introduction- JAVA Concepts • OOPs Concepts; SQL • DML & DDL Queries in brief
- Android Software development kit kit (SDK)- Application Structure (in detail) • AndroidManifest.xml • Uses-permission & uses-sdk
- Interface usability- Basic UI design, Form widgets, Text Fields, Layouts, Menu, Option menu, Context menu, Intents (in detail) • Explicit Intents • Implicit intents
- Android Application development- Styles & Themes, Adapters and Widgtes, SQLite Programming, threads, Overview of services in Android, Location Based Services and Google Maps, Sensors, How Sensors work, Using Orientation and Accelerometer sensors, Adding Advertisement (Admob) in Android

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Registration:

Registration is open to graduate, postgraduate and doctoral students, faculty and industry persons. Participants will be admitted on first-come first-served basis.

Details of the programme- http://www.mnit.ac.in/eict/acad_training_prg.php

Register online at portal- <http://online.mnit.ac.in/eict>

Registration Fee:

Academic (student/faculty) India/SAARC: ₹ 500/-
Industry/Others from India/SAARC: ₹ 1000/-
Other countries (student/faculty/Industry persons): \$ 60 /£ 50

(A) Fee once paid will not be refunded back; it may only be adjusted in future courses upon prior request.

(B) The fee covers online participation in the programme, comprehensive tutorials, practice notes & certification charges.

(C) The organizers should receive the fee through online payment gateway provided at the registration portal provided above.

→ For any other query, email us at [academy\[AT\]mnit.ac.in](mailto:academy[AT]mnit.ac.in)