

## About Electronics & ICT Academy at PDPM IITDM Jabalpur

Department of Electronics and Information Technology, Government of India has instituted four Electronics and ICT Academies with one academy at PDPM IITDM Jabalpur with the primary objective preparing manpower for two important missions - 'Digital India' and 'Make in India'. The Academy aims at the design and implementation of scalable training programmes in niche areas of electronics and ICT for the development of required knowledge base, skills and tools to unleash the talent of Indian population. The Academy at PDPM IITDMJ will partner with IITM Gwalior, MANIT Bhopal, and IIT Indore run high quality specialized courses for faculty, students and unemployed graduates. In addition, the Academy will conduct customized training programmes and research promotion workshops for corporate sector and educational institutions. The Academy is envisioned to become a central hub of activities on training, consultancy work and entrepreneurship programmes.

## About at PDPM IITDM Jabalpur

IITDM Jabalpur was established in 2005 with a focus on education and research in IT enabled Design and Manufacturing. Since its inception, PDPM IITDM Jabalpur has been playing a vital role in producing quality human resources for contribution in India's mission of inclusive and sustainable growth. The Institute offers undergraduate, post graduate and PhD programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Design and PhD programmes in Mathematics and Physics. Under IIT act, the Institute has been declared an Institute of National Importance in January 2015. The Institute campus is being developed on 250 acres of land close to Dumna Airport, Jabalpur. The Institute is 10 kms from the main railway station and 5.5 kms from Dumna airport, Jabalpur

## Faculty Development Programme Developing Android Applications for Fun & Profit

### Who can attend?

The programme is open to faculty and research scholars from all the colleges and universities in the states of M.P., Chhattisgarh and Maharashtra. Industry personnel working in the concerned/allied discipline may also apply.

### How to apply?

Online – The participants may log on to the website [ict.iitdmj.ac.in](http://ict.iitdmj.ac.in) and fill up the application form by providing all the necessary details.

By Email – Scanned copy of the filled in application form duly endorsed by the forwarding authority to be mailed at [atulkg@gmail.com](mailto:atulkg@gmail.com).

Please also send/post your duly-filled application form endorsed by the forwarding authority along with the required DD of the registration fee (add accommodation charges, if needed) in favour of 'Electronics and ICT Academy, IITDMJ' payable at Jabalpur to the contact address. Please ensure that your complete application should reach to us by December 10, 2015. No Travelling Allowance will be paid by the Academy.

### Important Dates :

Last Date of Online Registration : December 10, 2015

Spot Registration also available if seats are available.

Course Dates: Dec 14-20, 2015

### Registration Fee :

Rs. 2000/- (Course material + lunch inclusive)

Accommodation charges (if needed) :

Rs. 2000/- (including breakfast and dinner)

### Course Coordinators

Dr. Atul Gupta

Email: [atulkg@gmail.com](mailto:atulkg@gmail.com)

Dr. Vinod Kumar Jain

Email: [vkjain@iitdmj.ac.in](mailto:vkjain@iitdmj.ac.in)

Website: [ict.iitdmj.ac.in](http://ict.iitdmj.ac.in)

## Developing Android Applications for Fun & Profit

December 14-20, 2015

Seamless Learning Opportunities



## Faculty Development Programme Under Electronics and ICT Academy

An Initiative of  
Department of Electronics and Information Technology,  
Government of India

**Electronics and ICT Academy**  
PDPM Indian Institute of  
Information Technology, Design and  
Manufacturing, Jabalpur,  
Dumna Airport Road,  
Jabalpur 482005

Building  
Human  
Resource  
For  
Digital India  
EI&ICT Academy  
IITDMJ

**About the course:**

The world of Android is one of the mightiest one in coming days with more than a billion device activated in less than a decade. This provides immense opportunity to all the segments of developers, designers and businesses to transform their ideas into tangible applications. The Android OS runs from small Wrist Watch to fully luxurious cars. It has made a connected world a reality.

The course will pave the way to create nicely crafted Android Apps which can run on different devices viz. Phone, Tablet etc. This course will provide an exciting opportunity to the attendees to get started and start developing applications there by opening the world of Android to them. The course will also give audience a glimpse best practices and design patterns used for developing industry ready applications.

- Day 1.**
  - I. Overview of Mobile Application Development & Android Architecture and Ecosystem
  - II. Introduction to Android Studio
- Day 2.**
  - I. Java for Android
  - II. Introduction Activity, Layout and Gradle Build Environment
- Day 3.**
  - I. Types of Activities, Intents and Fragments
  - II. Threads and Async Tasks, Loopers
- Day 4.**
  - I. Services and Notification
  - II. Broad Cast Receiver
  - III. Sample App Development
- Day 5.**
  - I. Best Practices
  - II. Design Principals
- Day 6.**
  - I. Complex Layouts and User Interfaces, Navigation Bar
  - II. Content Provider
- Day 7.**
  - I. Fully fledged Application Development with REST and JSON

Prerequisite – a basic familiarity with Core Java

List of Resource Persons:

- Allahbakhsh Asadullah  
Product Technical Architect, Infosys Ltd.
- Avitash Purohit  
Research Associate, Infosys Ltd.
- Taha Mohammedali Asadullah  
Founder and CEO Geelani Consultancy, Hubli.
- Dr. Atul Gupta  
Associate Professor, Computer Science and Engineering  
PDPM IIITDM Jabalpur
- Dr. Vinod Kumar Jain  
Assistant Professor, Computer Science and Engineering  
PDPM IIITDM Jabalpur

Contact us

The Course Coordinator,  
Developing Android Applications for Fun & Profit

Electronics and ICT Academy  
PDPM Indian Institute of Information Technology,  
Design and Manufacturing, Jabalpur,  
Dumna Airport Road, Jabalpur 482005  
atulkg@gmail.com  
Dr Atul Gupta – 9425152499  
Dr V K jain – 9425156298  
Website: [ict.iiitdmj.ac.in](http://ict.iiitdmj.ac.in)

Name of the Applicant (first, last): .....

Gender: .....

Designation: .....

Name and Postal Address of the Organization /  
Institute/college:

City/town:                      Email:

Alternate email (if any)

Phone Number:

Mobile Number:

Do you need accommodation? (Yes/No)

Note: Accommodation and meal facility will be available only from the evening of Dec 13 to the morning of Dec 21, 2015.

Name and designation of the authority who forwarded the application /gave approval for attending the course)

DD Number .....Date .....

Issuing Bank ..... payable at .....

Signature of the Applicant

I hereby agree to relieve Mr./ Ms./ Dr. ....  
In case she/he is selected to attend the programme.

Signature and Seal of the Forwarding Authority

Name ..... Designation .....