The two day workshop on ANDROID was conducted by the Department of Electronics and Communication Engineering jointly with IETE STUDENTS FORUM (ISF) of Coimbatore Institute of Technology, in collaboration with EI Systems, New Delhi during 6th and 7th of July, 2012.

**Coordinators of this workshop:**

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The scope of this workshop is to give hands-on experience to the participants in developing ANDROID (mobile operating system) applications. Expert members Mr. Mayur Dev Sewak & Mr. Girish from EI Systems, New Delhi explained basic concepts for better understanding about Android. They explained five different Android applications and made the participants to develop those applications themselves. This workshop was specially designed for UG students who have basic knowledge in Object Oriented Programming concepts and JAVA. 103 participants in 52 teams participated in the workshop and trained to develop basic applications in Android. The workshop was conducted in four sessions.

The following topics were covered in the workshop:

- Introduction to Open Source
- Introduction to Android technology
- Structure of Android applications
- Working with Activities
- Data stores, Network services and APIs
- Setting Preferences
- Accessing the Files
- Working with Resources
- Managing Local Databases
- Communicating with Internet
• Intents
  Create Intent Filters
  Launching Activities
  Introspection with action
  Handling Rotation Content Providers
  Using a Content Provider
  Managing Permissions
  Creating and Using the Services
  Creating Alerts with Notifications
• Advance Operations with Android
  Accessing Location based Services
  Mapping with MapView and MapActivity
  Handling Telephone Calls
  Searching with Search Manager
• Telephony and SMS
• Audio, Video and using the Camera
• Project Discussion on Android