



# Android

A two days workshop on Android OS & its applications.

Workshop Designed & Conceptualised by



Dear Sir/Madam

**Sub: To organize Android workshop in your college.**

**Android** is a workshop based on Android Operating System & its application development conceptualized by **some top industry professionals** in association with **EISystems Services**. It is going to be India's first & biggest workshop series based on this market flag bearer of mobile operating systems.

**Android** in its very first edition is going to be huge and grand covering over 450 engineering colleges across India. It is expected to attract more than 5000 participants from different parts of the country.

To groom the students with the insights of Internet and working with students e-magination, We plan to conduct this workshop across the country. This workshop will also provide a platform where young engineers can mould their imagination into reality and feel the excitement first hand.

We are hoping that you will find this workshop really interesting for the students. If you have any queries you can get back to us anytime.

Thanks & Regards,

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**DISCLAIMER:**

Kindly note that this workshop is no where associated with the creators or developers of Android, this workshop is only for information and education purpose for students and corporate professional.

## EISystems

EISystems Services is a leading Indian technology identity with operations in 16 states and union territories of India. EISystems (We call it EISys) offers computer forensics, robotics and socialmedia related solutions for enterprises and student community. Our education domain "EISystems Education Services" have been in among top technology training provider brands in India. Our mentors had trained about 6000 students and impacted around 50000 students through our various outreach initiatives.

## Our brand EISystems

EISystems was born free, a force unleashed into the market with a relentless and unwavering determination to succeed. A spirit charged with energy, creativity and a team driven "to seize the day" with an ambition to become the most admired technology service provider. Our team, in just 15 months of operations, rose to the pinnacle of achievement and continues to lead.

As one of India's leading technology training company, EISystems brand has played the role of a major catalyst in India's reforms, contributing to its economic resurgence and spreading technocracy. Today we touch people's lives with our technology & internet services.

## Our logo

Our unique symbol is an interpretation of the 'EI' in EISystems. The emphasis on E & I means working Electronics & Information in a system. The highlight of the orange color makes thing to promote anything and spread awareness about our vision. It represents a dynamic force of unparalleled energy that brings us and our customers closer.

Our specially designed logo type is modern, vibrant & friendly. It signals our resolve to be accessible, while the use of all lowercase is our recognition for the need for humanity.

Orange is part of our heritage. It is the color of energy & passion that expresses the dynamism that has made EISystems the success it is today, in the domains we had forayed.



EISystems logo

for more details log on to [www.eisystems.in/about](http://www.eisystems.in/about)

## Our Clientele

EISystems Services (better known as EISys) being a knowledge platform also believes in sharing its domain expertise through its training programmes for that we founded the new venture; EISystems Education Services; the main activities of this venture is providing training, workshops, lectures, presentations and seminars in information security, robotics, 3D animation, automobiles, social media and various professional courses.

EISystems Services has been catering to a vast number of elite colleges of Engineering by the means of workshops, training programmes and other events on technology related fronts. We have successfully impacted out an excess of 50,000 students through the workshops and technoholic events organized by our team.

Below is the list of some of our esteemed clientele, whom we and our mentors served in the past up to their expectations

1. Indian Institute of Technology, Bombay
2. Indian Institute of Technology, Delhi
3. Indian Institute of Technology, Roorkee
4. Indian Institute of Technology, Hyderabad
5. Indian Institute of Technology, Banaras Hindu University
6. National Institute of Technology, Jaipur
7. National Institute of Technology, Nagpur
8. National Institute of Technology, Kurukshetra
9. National Institute of Technology, Durgapur
10. Indian Institute of Information Technology, Gwalior
11. Birla Institute of Technology & Sciences – Mesra, Patna
12. Bengal Engineering & Science University, Shibpur
13. Thapar University, Patiala
14. Delhi College of Engineering (now DTU), New Delhi
15. Netaji Subhash Institute of Technology, Delhi
16. Cochin University of Science & Technology, Kochi
17. RV College of Engineering, Bangalore
18. Don Bosco Institute of Technology, Mumbai
19. Coimbatore Institute of Technology, Coimbatore
20. Nirma University, Gandhinagar
21. Harcourt Butler Technological Institute, Kanpur

**and list continues...**

for more details log on to [www.eisystems.in/workshops](http://www.eisystems.in/workshops)

22. Sreenidhi Institute of Science & Technology, Hyderabad
23. Avanthi Institute of Engineering & Technology, Visakhapatnam
24. Sri Siddharth Institute of Technology, Tumkur
25. Sardar Patel Institute of Technology, Mumbai
26. Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad
27. Raghu Engineering College, Visakhapatnam
28. Avanthi Institute of Engineering & Technology, Visakhapatnam
29. MVSR Engineering College, Hyderabad
30. Mahatma Gandhi Institute of Technology, Hyderabad
31. Institute of Technology & Management, Gorakhpur
32. Institute of Engineering & Rural Technology, Allahabad
33. SRM University, Modinagar
34. PVG College of Engineering & Technology, Pune
35. RD Engineering College, Ghaziabad
36. Engineering College, Bikaner
37. Ilahia College of Engineering & Technology, Kochi
38. Babu Banarsi Das Institute of Technology, Ghaziabad
39. IPS Engineering College, Gwalior
40. Dehradun Institute of Technology, Dehradun
41. Dibrugarh University, Dibrugarh
42. GLA University, Mathura
43. ITM University, Gurgaon
44. Vaagdevi Educational Institutions, Warangal
45. Vinayaka Missions University, Salem
46. Modi Institute of Technology, Kota
47. ITM Engineering College, Meerut
48. JNTUH College of Engineering, Karimnagar
49. SRMS College of Engineering & Technology, Bareilly
50. Gyan Ganga Institute of Technology & Sciences, Jabalpur etc..

## We & Technical Festivals

EISystems Services or its promoters has been a key sponsors or organizers in numerous technical festivals organized by the colleges all over India. The primary objective of sponsoring the technical fests is to reach out to thousands of students who share similar interests in a short-span of time. The following small list exhibits our involvement and support given to the Technical Festivals to the Colleges across India.

Abhivyakti Axis Spitfest Phoenix Rubaru Corona  
Infotsav Thomso Auxesis Renaissance Blitzschlag  
Sreevision Cognizance Radiance Technex Pragnya  
Convergence Elan Vaagtarang Versatalia Sakshama  
Techibento HackNEX Tryst Neuron

## About Android

Android is a software stack for mobile devices that includes an operating system, middleware and key applications. Google Inc. purchased the initial developer of the software, Android Inc., in 2005. Android's mobile operating system is based on the Linux kernel. Google and other members of the Open Handset Alliance collaborated on Android's development and release.

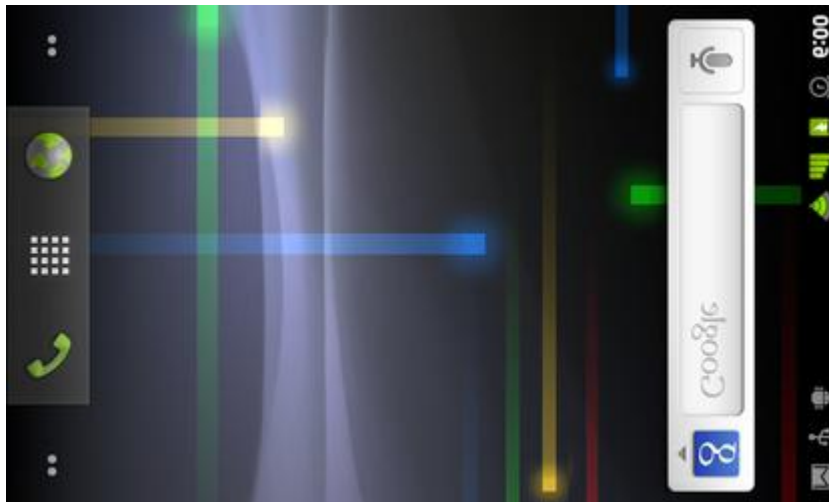
The Android Open Source Project (AOSP) is tasked with the maintenance and further development of Android. Android was listed as the best-selling smartphone platform world-wide in Q4 2010 by Canalys. Android has a large community of developers writing applications ("apps") that extend the functionality of the devices. There are currently more than 250,000 apps available for Android.

Android Market is the online app store run by Google, though apps can also be downloaded from third-party sites. Developers write primarily in the Java programming language, controlling the device via Google-developed Java libraries.

## Android Market

Android Market is the online software store developed by Google for Android devices. An application program ("app") called "Market" is preinstalled on most Android devices and allows users to browse and download apps published by third-party developers, hosted on Android Market.

As of December 2010 there were about 250,000 games, applications and widgets available on the Android Market. In April 2011 Google said there had been more than 3 billion Android apps installed and at end of June 2011 there are 6 billion apps installs from the Android market. The operating system itself is installed on 130 million total devices.



Home screen displayed by Samsung Nexus S with Google, running Android 2.3 "Gingerbread"

# Workshop **Benefits**

We will provide following benefits to the college :-

**1. Conduction of two days workshop in your college.**

Duration – 2 days (6-7 hours per day sessions)

**2. Deliverables to our students after the conduction of workshop**

1. Software toolkit to each participant.
2. Training Material (eBooks) for each participant.
3. Home take away kit for a group in case of robotics workshop.
4. Authorised Certification from EISystems Services.

**3. Deliverables to the college & organizing team**

1. Momentoes to the college authorities, staff coordinator and overall student coordinator
2. Certificate of Coordination after successful conduction of workshop.

**4. Internship & Funded Research**

1. We always look for bright technominds. May be they are sitting in your college, students with good background will be considered for internship under our experts.
2. We work in team. We work in collaboration. Interns can also expect a funded research project from EISystems Services.

**5. Publicity & Branding Benefits**

1. Mailers about Workshop at college to our and our partners database of over 1,00,000 students and professionals.
2. Bulk Messaging (SMS) to our sms channels or to the numbers provided by college for messaging purpose.
3. Listing of college name with workshop on EISystems official website having an facility to register participants online.
4. Posters or Banners will be provided by EISystems Services for promotional purposes.
5. Personalised call by EISystems Media team to the aspiring participants subject to the database provided by college team.
6. College Specific page on EISystems website for better coverage of workshop online.

**6. Sponsorship to the college**

We will provide sponsorship for conducting the workshop as a part of acknowledgement of using college infrastructural facilities.

# Workshop Requirements

We want following things to be provided to us from college :-

## Technical Infrastructure Facilities

1. A Seminar hall/ Auditorium having an enough capacity to accommodate 200 participants comfortably.
2. A Projector setup with stereo jack cord and audio public address system with sufficient number of screens in order to maintain good visibility in seminar hall.
3. An internet connectivity for the speaker(Without proxy if possible)
4. A laptop or desktop in seminar hall having a configuration of 512 MB RAM, Pentium 4 or advanced processor having Windows XP installed on it.
5. Two Wireless Microphones (Collar Mic. Preferred for speaker)
6. One laptop will be required per team from participants with little knowledge on programming languages.

## Basic Requirements

1. Accomodation to our visiting team members in your college guest house or any other good place.
2. Pick and drop facility from nearest railway station/ bus-stand/ or airport.
3. This workshop will be conducted for a minimum of 100 students.

## Publicity & Logistics Support

1. Specially designed workshop posters (will be provided by us) to be dispatched to engineering colleges across the state along with the festival posters and to be put up in the campus.
2. Two specially appointed coordinators(Either from 3rd year or from final year) having the knowledge of the subject, to promote, publicize, handle local student queries etc. for our workshop to be conducted at the college.
3. Support to our team to interact with college students to provide them proper awareness regarding the workshop subject and to increase the participation.
4. Publicity and Branding through College or Department website.
  1. A Page dedicated to our workshop containing sufficient information about it.
  2. Logo and link of EISystems to be there on College/Department/Festival website
  3. Registration Link of our workshop(Link to EISystems Website) to be on College/Department website for online registration of the workshop.



# WorkshopContent

The topics to be discussed in Android workshop are given below :

- Introduction to Open Source
- Introduction to Android technology
- Structure of Android applications
- Understanding Manifest
- Working with Activities
  - o Creating Skelton Application
  - o Using XML based layouts
  - o Using Basic Widgets
  - o Working with Containers
  - o Using Selection Widgets
  - o Using Fancy Widgets and Containers
  - o Applying Menus and Fonts
  - o Embedding the WebKit browser
  - o Showing Pop-up Messages
  - o Dealing with Threads
  - o Handling Activity Lifecycle events
- Data stores, Network services and APIs
  - o Setting Preferences
  - o Accesing the Files
  - o Working with Resources
  - o Managing Local Databases
  - o Communicating with Internet
- Intents
  - o Create Intent Filters
  - o Launching Activities
  - o Intospection with action
  - o Handling Rotation



- Content Providers and services
  - o Using a Content Provider
  - o Creating a Content Provider
  - o Managing Permissions
  - o Creating and Using the Services
  - o Creating Alerts with Notifications
- Advance Operations with Android
  - o Accessing Location based Services
  - o Mapping with MapView and MapActivity
  - o Handling Telephone Calls
  - o Searching with Search Manager
- Telephony and SMS
- Audio, Video and using the Camera
- Project Discussion on Android

## Workshop Fees & Student takeaways

**Rs. 1200 per participant.**  
(inclusive of all taxes)

1. One Software take away kit will be delivered for each participant as free of cost.
2. Certificate of Participation will be provided to every participant.
3. Study Material in manual form for each participant. (eBooks)
4. EISyslife! Card for every participant in a group

## Workshop Payment

The amount shall be paid as under :-

**Appropriate Amount to be handed over to EISystems team on the first day of the workshop**

- a. Mode of Payment can be Cheques/Demand Draft/Cash
- b. Proper Invoice will be provided for EISystems Services.

**Appropriate Sponsorship Amount to be handed over to the College on the first day of the workshop**

- a. Mode of Payment can be Cheques/Demand Draft/Cash
- b. Proper Receipt will be provided by College

## Contact Us

We ensure that you will find our training programs extremely beneficial for your students. If you have any queries kindly get back to us. We are looking forward to a quick and positive response from you and a long term association with your esteemed organization.

Thanks & Regards,

**Mayur Dev Sewak**

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