

## ***“Next Generation Mobile Operating System Android™”***

The Foundation for Advancement in Education and Research (FAER) in association with Integra Micro Systems (P) Ltd. (IMSPL) planned and conducted a three day comprehensive workshop on **“Next Generation Mobile Operating Systems”** with a special emphasis on Google’s Android™ platform. The workshop was conducted at N.M.A.M. Institute of Technology (NMAMIT), Nitte, Karkala, Udupi District, Karnataka. The workshop was sponsored by FAER and executed by IMSPL with significant logistics and co-ordination support from select staff of NMAMIT.

The participants mostly comprised of students from the Information Science, Computer Science, MCA and M.Tech. Departments of NMAMIT, with a few students and staff from St. Joseph Engineering College, Vamanjoor. The workshop registered an overall 42 participants from the above mentioned colleges.

The workshop was inaugurated by the Principal of NMAMIT – Dr. S.Y. Kulkarni. Also present were Prof. Yuvaraju.B.N. - Head of the Department, Information Science & Engineering, NMAMIT and Dr. Niranjana. N. Chiplunkar - Head of the Department, Computer Science & Engineering, NMAMIT

The workshop spanned across three days with in depth lectures from a panel of experienced IT professionals from Integra Micro Systems.

The sessions commenced with an overall introduction to mobile operating systems and thereafter moved on to Android™ which was the platform chosen for the case study. Sessions covered the Android™ development environment, Android™ APIs, design and development of phone based applications, details on creation of user interfaces, Android™ services, content providers, broadcast receivers, SQLite database and location based services etc.

The workshop included a comprehensive hands-on training in the form of extended lab sessions conducted on all the three days. The lab sessions ensured familiarity with the development environment, creation of sample applications, and deployment of these applications on device emulators, debugging and usage of other related tools.

The workshop concluded with a brief valedictory function in which Prof. Yuvaraju B.N. - Professor and Head of the Department, Information Science & Engineering, NMAMIT, addressed the participants. A few participants also came up on stage to share their opinions on the utility of the workshop. The participants were encouraged to build on the learning gained from the Android™ workshop and to create winning solutions based on the Android™ platform. Each participant was awarded a participation certificate with a CD containing the theory and practical content of the 3 day workshop.

**About Foundation for Advancement of Education and Research (FAER)**

(<http://www.faer.ac.in/>)

The foundation is a non-governmental, non profit initiative open to all. Several educational institutions and industries will become associate partners of the foundation. The foundation will conduct faculty development programs, facilitate in the running of long term degree / diploma programs in new areas and take up, in general, several activities related to quality education at all levels. FAER is based in Bangalore, India.

**About Integra Micro Systems (P) Ltd. (<http://www.integramicro.com/>)**

Integra Micro Systems is a group of companies with two decades of experience in the development of computer software technology and applications. With a proven track record of developing, marketing, and supporting its own products, Integra today specializes in offering software development services in diverse areas, and products to customers world-wide.

Integra offers world-class cutting-edge software products and services in networking, telecom, embedded systems, and wireless Internet. Device drivers and interfaces, open source software, utility software, and enterprise software are a few more areas in which Integra offers its services.