

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

The Foundation for Advancement in Education and Research (FAER) in association with Integra Micro Systems (P) Ltd. (IMSPL) and Motorola 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 M S Ramaiah Institute of Technology (MSRIT), Bangalore. The workshop is sponsored by FAER and executed by IMSPL and Motorola with significant logistics and co-ordination support from select staff and final semester students of MSRIT.

The participants included selected staff and students from varied engineering colleges in and around Bangalore City. The list of colleges includes Sir M. Visvesvaraya Institute of Technology (Sir MVIT), Sapthagiri College of Engineering (SCE), NITTE Meenakshi Institute of Technology (NMIT), M.S. Ramaiah Institute of Technology (MSRIT), Reva Institute for Engineering and Technology Studies, Sambram Institute of Technology and Nagarajuna College of Engineering and Technology (NCET). The workshop registered overall 32 participants from all of the above mentioned colleges.

The workshop was inaugurated by Dr. Aswatha Kumar M - Professor and Head of the Department, Information Science & Engineering, MSRIT. Dignitaries Prof. D K Subramanian - (Dean and Professor (retd.), Indian Institute of Science and founder member of FAER), Mr. Ram Sirupurapu - (Secretary of FAER and Executive Director, IMSPL) and Mr. M K Srikant - (CTO and Executive Director, IMSPL) were present at the inauguration of the workshop.

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

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, design and development of phone based applications, details on creation of user interfaces, Android™ services, content providers, broadcast receivers, SQLite database etc.

Motorola contributed on important topics such as Android™ APIs, Radio Interface layer and creation of location based services which involves connecting to the Internet.

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, deployment of these applications on actual devices, debugging and usage of other related tools.

The workshop concluded with a valedictory function in which Prof. K Rajanikanth – Principal, MSRIT, Dr. Aswatha Kumar M – Professor and Head of the Department, Information Science & Engineering, MSRIT, Dr. V Gopalakrishna - Director, IMSPL, Mr. Ram Sirupurapu – Executive Director, IMSPL and Mr. T. Shankar - Treasurer,

FAER) addressed the participants. 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.