

## ***“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 Thiagarajar College of Engineering (TCE), Madurai, Tamil Nadu. The workshop was sponsored by FAER and executed by IMSPL with significant logistics and co-ordination by Thiagarajar College of Engineering.

The participants comprised of staff and students from the Information Technology and Computer Science departments of Thiagarajar College of Engineering, Velammal College of Engineering and KLN College of Engineering. The workshop registered 29 participants from the above mentioned colleges.

The workshop was inaugurated by the chief guest Dr. V Abhai Kumar - Principal of TCE. The guest of honor included Prof. R Rajaram - Dean of Information Technology and Computer Science department, TCE. Prof. S Selvakumar of the Information Technology department, TCE welcomed the participants to the workshop.

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 valedictory function. Prof. S Selvakumar of the department of Information Technology, TCE presented the valedictory speech and encouraged the participants to build on the learning gained from the Android workshop and to create winning solutions based on the Android platform. The chief guest Prof. S Krishnan – Dean of Teaching and Learning Process of TCE presented the certificate of participation and CD (containing the theory and practical content of the 3 day workshop) to the participants. The guest of honor Prof. R Rajaram – Dean of Information

Technology and Computer Science department, TCE presented mementos to the team of Integra Micro Systems.

Representative participant from the different colleges came up on stage and shared their feedback on the workshop and expressed needs. The function was concluded with a vote of thanks given by Prof. M Indra Devi, TCE.

**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 Thiagarajar College of Engineering, Madurai (<http://www.tce.edu/>)**

Thiagarajar College of Engineering (TCE), Madurai, an ISO 9001:2000 certified Institution, affiliated to Anna University is one among the several educational and philanthropic institutions founded by Philanthropist and Industrialist Late. Shri. Karumuttu Thiagarajan Chettiar. It was established in the year 1957.

TCE is funded by Central & State Governments and Management. The courses offered in TCE are approved by All India Council for Technical Education, New Delhi. It was granted Autonomy in the year 1987. TCE has been accredited by National Board of Accreditation. TCE offers Seven Undergraduate Programmes, Thirteen Postgraduate Programmes and Doctoral Programmes in Engineering and Science

**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.