A Guest Lecture on Linux Programming by A.Rama Satish on 10th October, 2015.

Linux is an operating system, platform, ecosystem, and culture. Linux is the most used and most important operating system on the planet. It powers the web, it powers our infrastructure, and it powers the largest supercomputers in the world.

Developing for Linux can be a bit of a challenge, but it can also be extremely rewarding. This one day guest lecture will provide students with an introduction to the information and resources you need to get started with Linux programming. It deals with both theoretical and practical aspects. The entire session is devoted to give hands on practice to the participants. It covers various areas of Linux development: contributing to the kernel and Shell scripting.

Students learn how to install, configure and maintain Linux operating system in a networked environment. Basic administrative tasks are covered such as: creating and managing users, creating and maintaining file systems, determining and implementing security measures and performing software installation and package management. Common security issues are discussed that help secure the operating system and network environment. Comprehensive hands on exercises are performed throughout the course to reinforce learning and develop skills and competency. Upon successful completion of this course, students will be prepared to maintain Linux systems in a networked environment.

Although the course includes installing and configuring Linux system, much of the course content also applies to Oracle, Ubuntu, Scientific and other current versions of mainstream Linux distributions. Lab session include user and group maintenance, system backups and restoration, software management, administration tasks automation, file system creation and maintenance, managing remote access, working with cron, and configuring basic file sharing.

The Department of IT & CSE was organized one day workshop on "**Linux Programming**" for B.Tech III semester students on 10th October 2015.

Dr. E. V. Prasad, Director, LBRCE addressed the students the importance of Linux programming in Industry.

Dr. N.R.M Reddy, Principal, LBRCE, instructed the students how the operating system is great for every student.

Dr. D.Nagarju, HOD of IT instructed the students how the Linux development process actually works.

The Resource person in this one day Guest Lecture training programme is A.Rama Satish