

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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A Report on

Awareness Program titled **"Free Open Source Software (FOSS)"**

Organized by Department of Computer Science & Engineering

7th October 2016



Submitted by : Dr. K. Venington, Associate Professor, Department of CSE

Attended : IInd B.Tech CSE Students

Resource Person : Mr. Jegannath Nambi, Manager, HCL Technologies, Chennai

Summary of the Program:

An awareness program on "Free Open Source Software (FOSS)" is started at 10.00 AM. Dr.M.Sree Devi/Head, CSE, Dr.K. Venington, Associate Professor, Mr. Jegannath Nambi, Manager, HCL Technologies are invited on to the dais. The program was inaugurated by the Head of the Department.

The resource person explained about FOSS and highlighted the following.

- **Free and open-source software** (FOSS) is software that is freely licensed to use, copy, study and change, and the source code is openly shared so that people are encouraged to voluntarily improve the design of the software.
- **Python** is an interpreted, high-level, general-purpose programming language. Python has a design philosophy that emphasizes code readability, notably using significant whitespace. It provides constructs that enable clear programming on both small and large scales. Python features a dynamic type system and automatic memory management. It

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supports multiple programming paradigms, including object-oriented, imperative, functional and procedural, it also has a comprehensive standard library.

- **PHP:** Hypertext Preprocessor is a general-purpose programming language originally designed for web development. PHP originally stood for Personal Home Page. PHP code may be executed with a command line interface (CLI), embedded into HTML code, or it can be used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in a web server or as a Common Gateway Interface (CGI) executable. The web server combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page. PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control.
- **Blender** is a free and open-source 3D computer graphics software toolset used for creating animated films, visual effects, art, 3D printed models, interactive 3D applications and video games. Blender's features include 3D modeling, UV unwrapping, texturing, raster graphics editing, rigging and skinning, fluid and smoke simulation, particle simulation, softbody simulation, sculpting, animating, match moving, rendering, motion graphics, video editing and compositing.
- **Linux** is a family of free and open-source software operating systems based on the Linux kernel. Linux is typically packaged in a Linux distributions include the Linux kernel and supporting system software and libraries, many of which are provided by the GNU Project. Popular Linux distributions include Debian, Fedora, and Ubuntu.

The program comes to an end after delivering the vote of thanks by the programme coordinator Dr.K.Veningston. This program created awareness about the various free open source software like Linux, Python, PhP etc. among the Computer Science & Engineering students. This program attracted the students to use FOSS in the present Information & Communication Technology world.