



GTU OSTC
Open Source Technologies Club

GUJARAT TECHNOLOGICAL UNIVERSITY

Open Source Technologies Club (OSTC)

Workshop Report on

LINUX INSIGHT & ADMINISTRATION

Organized
under

GTU Open Source Technologies Club (GTU OSTC)

On

13th February 2014, Thursday (10:00 AM to 2:30PM)

At



B A B A R I A
INSTITUTE OF TECHNOLOGY
Managed by:
SHREE KRISHNA EDUCATIONAL CHARITABLE TRUST
BITS edu campus, Vadodara - Mumbai NH # 8, Varnama - 391 240, Vadodara
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Open source as a development model promotes a) universal access via free license to a product's design or blueprint, and b) universal redistribution of that design or blueprint, including subsequent improvements to it by anyone. Open-source code is typically created as a collaborative effort in which programmers improve upon the code and share the changes within the community.

GTU has taken Open Source Technology Club initiative for all the colleges in collaboration with Spoken Tutorial Project-IIT Bombay. To take the advantage of this opportunity we had established Open Source Technologies Club (OSTC) at our institute on 27th December 2013. On the day of inauguration a spoken tutorial workshop of LaTeX was organized for faculty members. A spoken tutorials workshop on Blender was conducted for Civil students on 6th Feb 2014 & spoken tutorials on Linux for Electronics & Communication Engg students on 7th Feb 2014.

The workshop on **Linux Insight & Administration** was organized for faculty members of all departments on **13th Feb 2014**.

The inaugural function started with a warm welcome speech by Prof. Khyati Zalawadia, Asso. Prof., Electronics & Communication Dept. This was followed by felicitation of the chief guests Dr. P.B. Vyas, Principal, Institute of Technology and Dr. S.K. Agrawal, Dean, Institute of



Technology. In order to start the session, a promotional audio video clip from IIT Bombay was shown to the audience. The workshop was aimed at giving hands on experience on LINUX to the participants.



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The Speaker for the workshop was Mr. Jigish Gohil and he is an openSUSE Education team member, creator for openSUSE-Edu Li-f-e (Linux for Education) media, FOSS India Award winner, Novell Certified Instructor, visiting faculty at the Maharaja Sayajirao University of Baroda, and Google Summer of Code mentor 2008. He has been

providing Linux solutions and trainings at all levels for many years.

Linux is a Unix-like and POSIX-compliant computer operating system assembled under the model of free and open source software development and distribution. Linux distributions include the Linux kernel, supporting utilities and libraries and usually a large amount of application software to fulfill the distribution's intended use. openSUSE is a free and Linux-based operating system for PC, Laptop & Server. We can surf the web, manage e-mails and photos, do office work, play videos or music and have a lot of fun.



The main topics covered in workshop were creating bootable USB stick, Partition scheme for installation, Installation, Linux Desktop Environments Software management, Programming tools in Linux, Virtualization (installing other OS in Linux).



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An overview and comparison of different Linux distributions like Red Hat, UBUNTU, & openSUSE was done. The speaker also gave an insight of open source equivalents of software based on windows which can be utilized in Linux environment.



There were 50 participants from all the departments (18 from Electronics & Communication Dept, 10 from Mechanical Dept, 8 from Electrical Dept, 8 from Science & Humanities Dept, 4 from Civil Dept & 2 from Computer Science Dept.).

Vote of thanks was delivered by Prof. MaikalRaj Rana, Asst Prof., Computer Science Dept. Certificates were awarded to all the participants. The workshop created interest for working with Linux operating system and to explore more on this platform.