**Foss Practical – 1**

**Aim :- Identify any open source software and create detail report about it guidelines as per follows .**

1. Idea
2. Word problem does it solve
3. Licensing model
4. Intent behind making it open source
5. Monetization model
6. Popularity
7. Impacts

1) Idea:-

Libre Office is a free and open source office suite, a project of The Document Foundation. It was forked from OpenOffice.org in 2010, which was an open-sourced version of the earlier Star Office. The Libre Office suite comprises programs for word processing, the creation and editing of spread sheets, slideshows, diagrams and drawings, working with databases, and composing mathematical formulae. It is available in 110 languages. The name "LibreOffice" was picked after researching trademark databases, social media and if it could be used for URLs in various countries.

2) Word problem does it solve:-

1.Unique features of LibreOffice

A detailed 60-page report in June 2015 compared the progress of the LibreOffice project with its cousin project Apache OpenOffice. It showed that "OpenOffice received about 10% of the improvements LibreOffice did in the period of time studied."

### 2.Miscellaneous feature

LibreOffice can use the [GStreamer](https://en.wikipedia.org/wiki/GStreamer) multimedia framework in Linux to render multimedia content such as videos in Impress and other programs.LibreOffice also ships with a modified theme which looks native on GTK-based Linux distributions. It also renders fonts via [Cairo](https://en.wikipedia.org/wiki/Cairo_(graphics)) on Linux distributions; this means that text in LibreOffice is rendered the same as the rest of the Linux desktop.LibreOffice has a feature similar to [WordArt](https://en.wikipedia.org/wiki/WordArt) called *Fontwork*.

3) Licensing model:-

The LibreOffice project uses a dual [LGPLv](https://en.wikipedia.org/wiki/LGPL)3 (or later) / MPL 2.0 license for new contributions to allow the license to be upgraded.] Since the core of the OpenOffice.org codebase was donated to the [Apache Software Foundation](https://en.wikipedia.org/wiki/Apache_Software_Foundation), there is an ongoing effort to get all the code rebased to ease future license updates4)Intel behind making it open source

4) Intent behind making it open source:-

Marketing software requires new features. With major software categories already mature, this requirement can mean change for change's sake, or the emphasis on minor improvements.Open source software, however, has no such requirements. If no new features are being requested, open source projects can even have a release or two in a row that concentrate on streamlining the code, reducing bugs or other maintenance work that improves software quality but is mostly invisible to end users.

5) Monetization model:-

**LibreOffice** is community-driven and developed software, and is a project of the not-for-profit organization, The Document Foundation. **LibreOffice** is **free** and open source software, originally based on OpenOffice.org (commonly known as OpenOffice), and is the most actively developed OpenOffice.org successor project.

6)Popularity:-

[The Document Foundation](https://en.wikipedia.org/wiki/The_Document_Foundation) estimated in September 2011, that there were 10 million users worldwide who had obtained LibreOffice via [downloads](https://en.wikipedia.org/wiki/Download) or [CD-ROMs](https://en.wikipedia.org/wiki/CD-ROM). Over 90% of those were on Windows, with another 5% on [OS X](https://en.wikipedia.org/wiki/OS_X). LibreOffice is the default office suite for most [Linux distributions](https://en.wikipedia.org/wiki/Linux_distribution), and is installed when the [operating system](https://en.wikipedia.org/wiki/Operating_system) is installed or updated. Based on [International Data Corporation](https://en.wikipedia.org/wiki/International_Data_Corporation) reckonings for new or updated Linux installations in 2011, The Document Foundation estimated a subtotal of 15 million Linux users. This gave a total estimated user base of 25 million users in 2011. In September 2013, after two years, the estimated number of LibreOffice users was 75 million. A million new unique IP addresses check for downloads each week. In August 2016, the number of LibreOffice users was estimated at 120 million.The Document Foundation has set a target of 200 million users worldwide before the end of 2020.LibreOffice has seen various mass deployments since its inception

7)Impact:-

Open source software (OSS) is changing the face of the IT landscape. In fact, IDC analyst Al Hilwa went so far as to state that OSS is poised to “eat the world” in a [recent article](http://sdtimes.com/analyst-watch-ten-reasons-why-open-source-software-will-eat-the-world/).For example, imagine you work in the sales industry. It’s likely that the technology you use at your job each day is derived from open source code.

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