

GGHSS ALATHUR



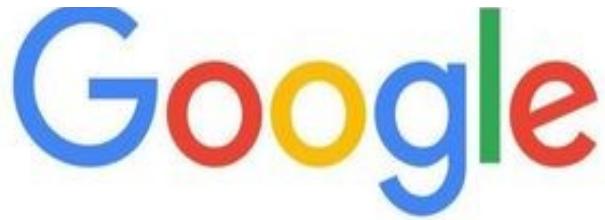
FREE SOFTWARE DAY

MAGAZINE



***Software
Freedom Day***

Submitted by: 2024-27 BATCH
LITTLE KITES



- **WHAT IS FREE SOFTWARE**
- **WHY CELEBRATE FREE SOFTWARE DAY**
- **BENEFITS OF FREE SOFTWARE**
- **CORE FREEDOMS OF FREE SOFTWARE**
- **POPULAR FREE SOFTWARE**
- **ORIGIN OF FREE SOFTWARE MOVEMENT**
- **GOOGLE**
- **GIMP**
- **GEOGEBRA**
- **WORD PRESS**
- **INKSCAPE**
- **PHET**

What is Free Software?

Free Software means software that respects user's freedom and community. It gives everyone the right to use, study, modify and share it. Unlike proprietary software, free software is open source and promotes transparency and collaboration.



Why celebrate Free Software Day?

Free Software Day is celebrated to promote awareness about the importance of digital freedom and to encourage the use of open source software. It highlights the value of sharing, learning, and building together without restrictions.

RICHARD STALLMAN

Richard Stallman is the , launching the [GNU Project](#) in 1983 to create a free, UNIX-like operating system, and subsequently establishing the [Free Software Foundation \(FSF\)](#) in 1985 to advocate for user freedoms. He campaigns for users' rights to run, study, share, and modify software, defining "free" in terms of ethical user freedom rather than price, and authored the GNU General Public License (GPL) to protect these freedoms.



Benefits of Free Software?

- Cost- effective [often free of cost]
- Promotes learning and innovation
- Safer through community audits

Core freedom of free software

1. Freedom to use the software for any purpose.
2. Freedom to study how the software works and change it.
3. Freedom to share copies with others.
4. Freedom to improve the software and release improvements.

Popular free software examples

- . Linux operating system
- . LibreOffice [office suite]
- . GIMP [image editing]
- . Mozilla Firefox [web browser]
- . VLC media player

Origin of free software movement

The free software movement was initiated by Richard M. Stallman, an American programmer and activist in 1983, he launched the GNU project with the goal of creating a completely free Unix-like operating system. In 1985 he founded the Free Software Foundation [FSF] to support the movement.

Google



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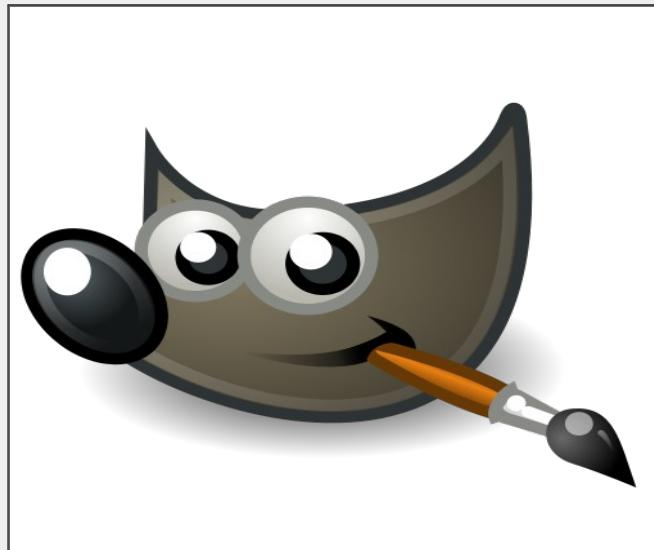
Google is one of the world's leading technology companies best known for it's search engine & digital products. It was created on [September 4,1998](#).

Founded in [California, US](#) by a group of students in [Stanford university](#). Mainly founded by [Sergey Brin and carry page.](#)

Provides many popular services like gmail,google map,chrome etc. It's main headquarters is called google plex located in mountain view, California. In 2015 it became a part of a larger company called alphabet Inc.



GIMP



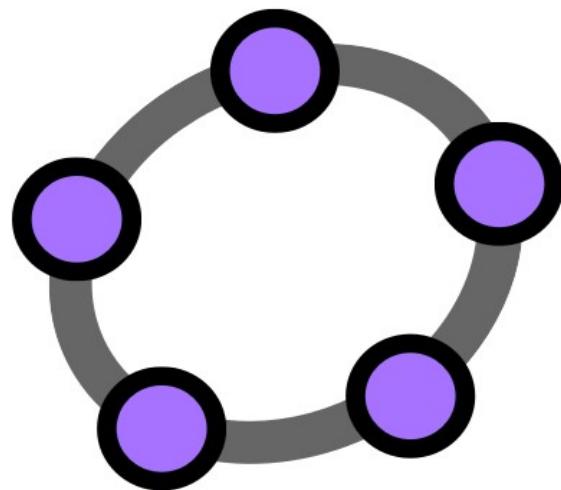
GIMP (GNU Image Manipulation Program)

It is a free and open – Source image editor an acronym for the GIMP. That allows users to retouch photos, create graphics, and author images with features comparable to expensive professional software like Photoshop.

KEY FEATURES

- **Free & Open-Source:**
GIMP is available at no cost, with its source code accessible for modification and distribution under the GNU General Public License.
- **Cross-Platform Compatibility:** It runs on various operating systems, including GNU/Linux, macOS, and Windows, providing a consistent editing experience across platforms.

GEOGEBRA



Geogebra was created by Markus Hohenwarter. In 2001/2002 as a part of his master's these at the university of salzburg in Austria. A free, dynamic mathematics software suite for education that integrates Geometry, Algebra, Spread sheets, Graphing, Statics, and Calculus. Visualizing experimenting with, and understanding abstract mathematical concept in Geometry, Statics, and Calculus through dynamic constructions, graphing, and interactive tools.

KEY FEATURES

DYNAMIC CONSTRUCTION: Create and manipulate geometric shapes, segments, lines, and 3D objects

.GRAPHING AND PLOTTING: Plot 2D and 3D functions, curves, and surfaces with interacting graphs and plots.

.COMPUTER ALGEBRA SYSTEM [CAS]: Perform symbolic calculations, solve equations, compute derivatives and integrals, and work with matrices.

.SPREADSHEET VIEW: Generate tables of values, analyze data and perform static computations.

.PERSPECTIVES: Switch between different views tailored for various mathematical concepts, such as geometry, algebra and CAS.

.INPUT BAR AND MOUSE/ TOUCH CONTROLS: Enter and modify objects, commands, and equations using either the input bar or direct mouse and touch controls.

WORD PRESS



Word press is a free open-source content management system [CMS] that allows users to create and manage websites without coding knowledge.

It is the world's most popular EMS, powering over 43% of all websites and can be used for blogs, e-commerce stores, business sites and more.

INK SCAPE



Ink scape is a free and open source vector graphics software and also used for creating/editing scalable images logos, charts, diagrams.

It was released in 2003 as a part of Sodipodi project. It was created by a group of developers including Ted Gould, Bryce Harrington, Nathan Hurst, Mentalgy. The main aim behind this is to provide a powerful yet free alternative to commercial vector graphics programmes such as abode illustration & corelDRAW. It can be used to prepare web & print graphics and to convert files.

PhET physics education technology



PhET stands for Physics Education Technology. PhET software is an educational platform developed by the University of Colorado Boulder in 2002 by Nobel Prize winner Carl Wieman. It provides free, interactive simulations for subjects such as physics, chemistry, biology, earth science, and mathematics. With real-world examples and colourful graphics, PhET helps students visualize and understand scientific concepts easily. It can be used both online and offline, serving as a virtual lab for classroom learning, experiments, and self-study. PhET is also available in more than 100 languages, making it useful for learning across the world.