

## Geotagging

Multimedia → Text, image, audio, video, animation.

■ Geotagging is the process of adding geo info. onto (photos, videos) or social media posts.

↳ Latitude / Longitude coordinate system.  
(Done through GPS).

↳ Embedded in many devices  
(Phone, tab etc).

■ Usage:- 1) News / websites.

2) Social media platforms.

3) Smart tourism.

■ Security issues:- 1) Cyber criminals.

2) Burglars / Stalkers.

■ Features:- 1) Portable:- Written using Java and works on most common OS.

2) GUI :-

3) Intelligent matching:- Geotag using algos capable automatically matching the GPS data to photos.

4) Allocate names to (photos):- Attach the name of nearest place with to the photo.

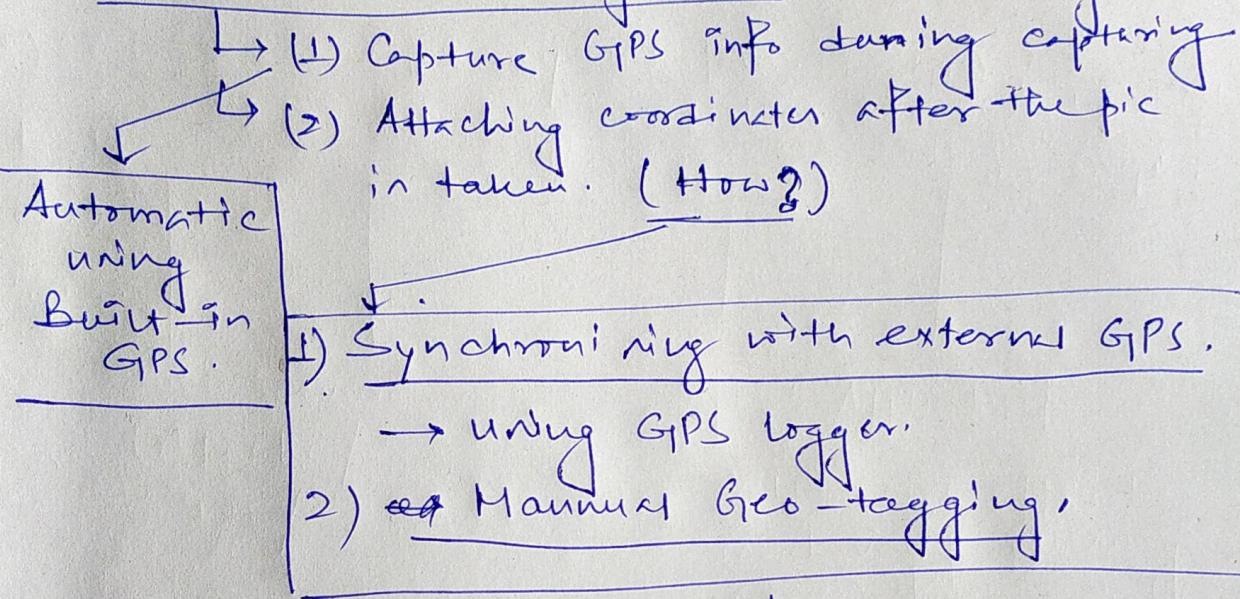
5) Supports various file formats.

6) Open source:- Innued under GPL.

7) Easily translatable.

## Q. Geotagging in Multimedia:-

Geo-tagged photos includes assigning at least one latitude and longitude to the image



## For audio and video files:-

1) Metadata.

2) Overlay.

3) Companion file that found in .KML or .GPX file format.

→ Metadata records geo spatial data in Audio / Video.

→ Exif metadata.

→ Overlay, overlaying GPS data or text on the rec. video.

→ Companion file, separate data file corresponding to media file