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| **[ cLOUD COMPUTING ]** |
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Practical: 5

**-:AIM:-**

**EyeOS (Virtual Desktop Configuration)**

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**GANPAT UNIVERSITY**

**U. V. Patel College of Engineering**

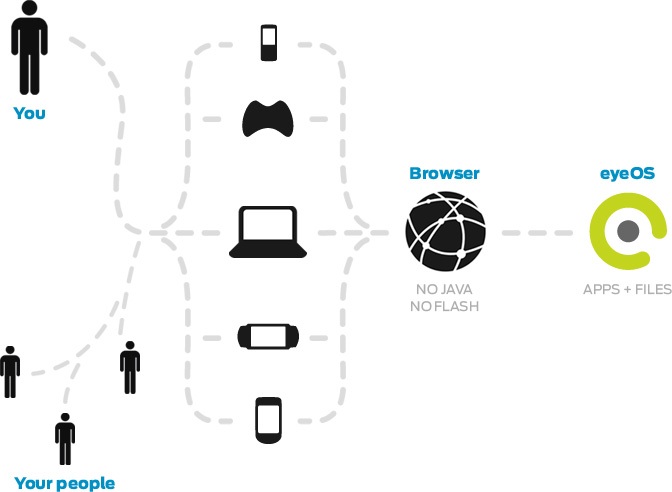
**Computer Engineering Department**

**Aim: - EyeOS (Virtual Desktop Configuration)**

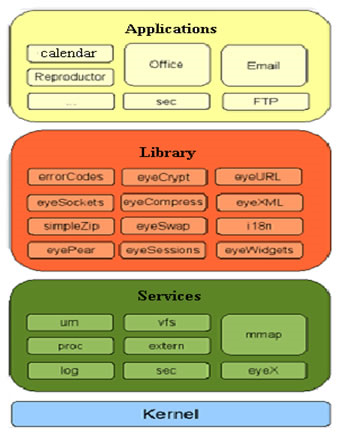
**Introduction:-**

EyeOS is a Commonly called a cloud desktop because of its unique user interface, eyeOs delivers a whole desktop from the cloud with file management, personal management information tools, collaborative tools and with the integration of the client’s applications.

It is an open source web desktop following the cloud computing concept, mainly written in PHP, XML and JavaScript. It acts as a platform for web applications written using the eyeOS Toolkit. It includes a Desktop environment with 67 applications and system utilities. It can be accessed from Windows, Linux or Macintosh computers or from mobile devices that support the technologies.



**EyeOs Architecture:-**



EyeOS kernel uses a structure divided into 4 layers:-

* Kernel: unified system services.
* Services: lower-level functions.
* library services: higher-level functions.
* Applications: can call functions from any Layer.

**Areas Of Application are:-**

Provides system for the users where they work with eyeOS and all its applications, including Office and PIM ones.

* A toolkit to create new applications easily.
* School and Universities with a full web platform.
* Useful for those who travel frequently, for schools that want a centralized storage.
* Social organizations and Companies: Contacts, personal files and communications to which members can access businesses and organizations large and small.
* Intranets and business in general.
* Service to replace the need for a hard disk.

**Features:-**

* Easy installation
* Free and open source cloud OS software
* Being able to work from everywhere, regardless of whether or not you are using a full-featured, modern computer, a mobile gadget, or a completely obsolete PC.
* Sharing resources easily between different work centres at company, or working from different places and countries on the same projects.
* Being able to continue working if you have to leave your local computer or if it just crashes, without losing data or time: Just log in to your EyeOS from another place and continue working.
* Boot in few seconds.
* Web OS users don’t have to back up or archive work because the provider’s remote server handles these functions.
* Remote storage facility: Through the file browser you can store files over the internet and edit them as you want.
* Extensive list applications: Office applications, multimedia applications, network applications and chat applications etc. are available.
* Rich text editing facility.

**Advantages Of EyeOs:-**

* Portability.
* Decentralization.
* Browser with java support is more enough.
* Platform independent.
* World Wide Availability.
* Remote storage facilities.

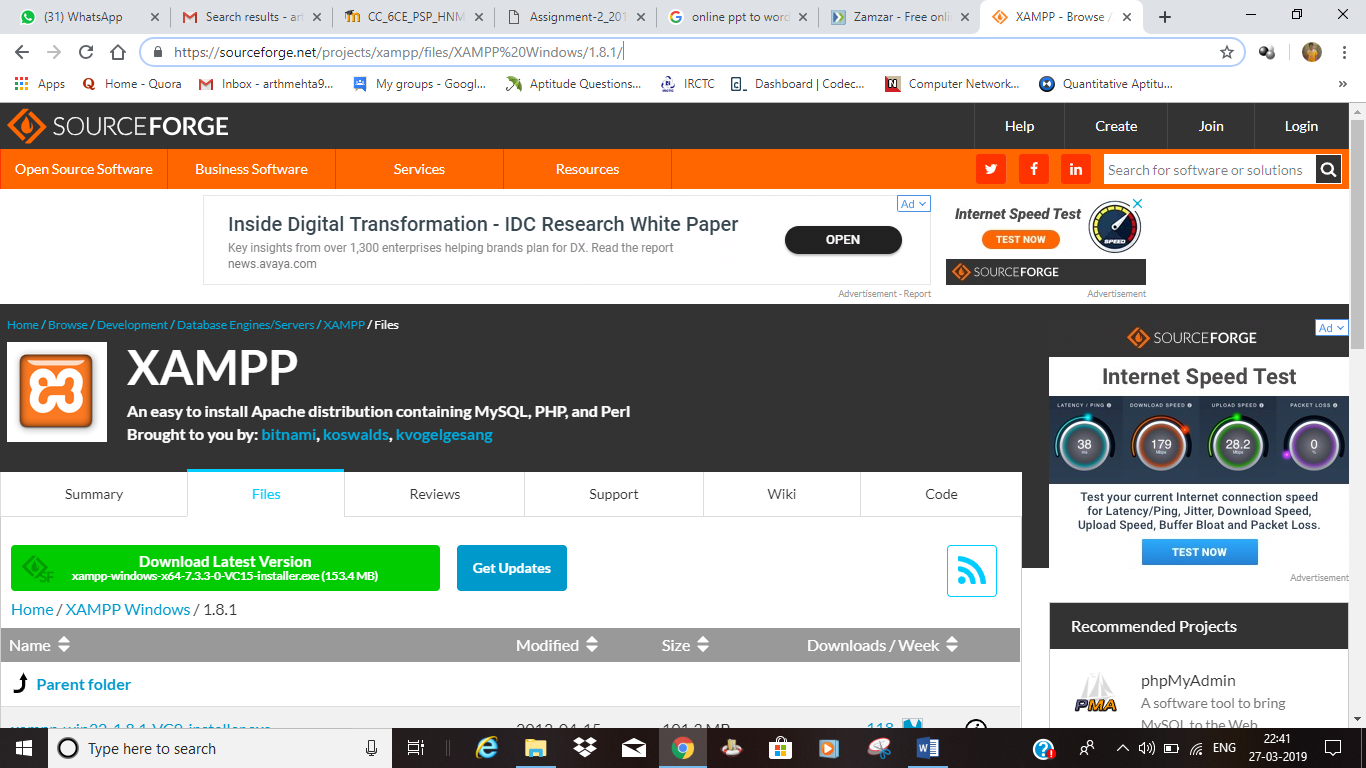
**Disadvantages of EyeOs:-**

* Safety
* Need for fast connection performance,
* Isolation of the host system.

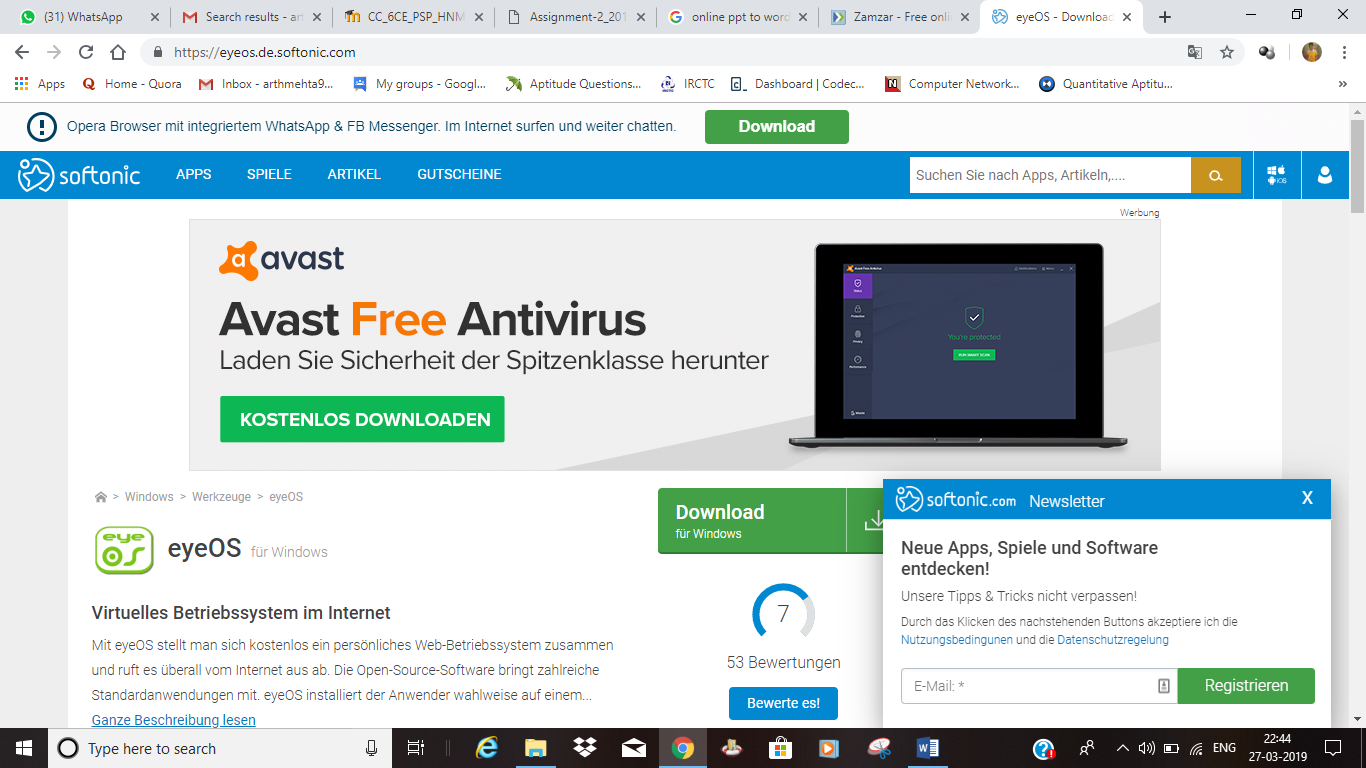
**Configuration Steps:-**

1. **Download XAMPP 3.2.4:-**

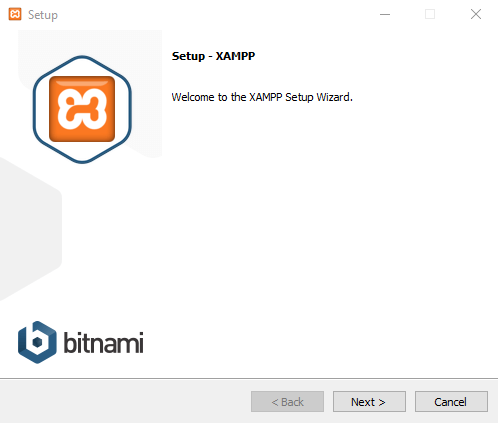
Download XAMPP <https://sourceforge.net/projects/xampp/files/XAMPP%20Windows/3.2.4/> and install it in your windows operating system.



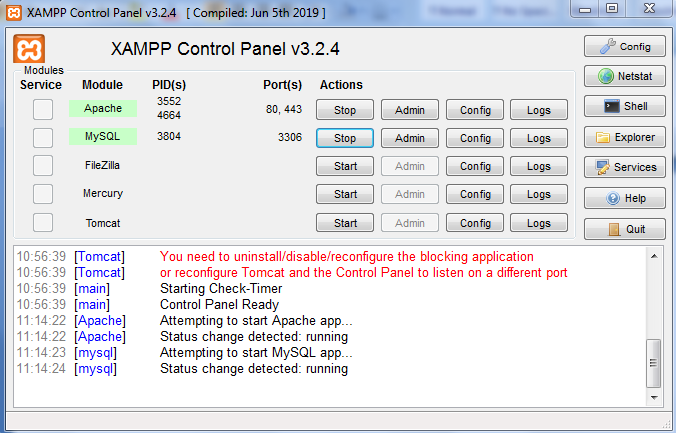
1. **Download EyeOs from (**[**https://eyeos.de.softonic.com/**](https://eyeos.de.softonic.com/)**)**



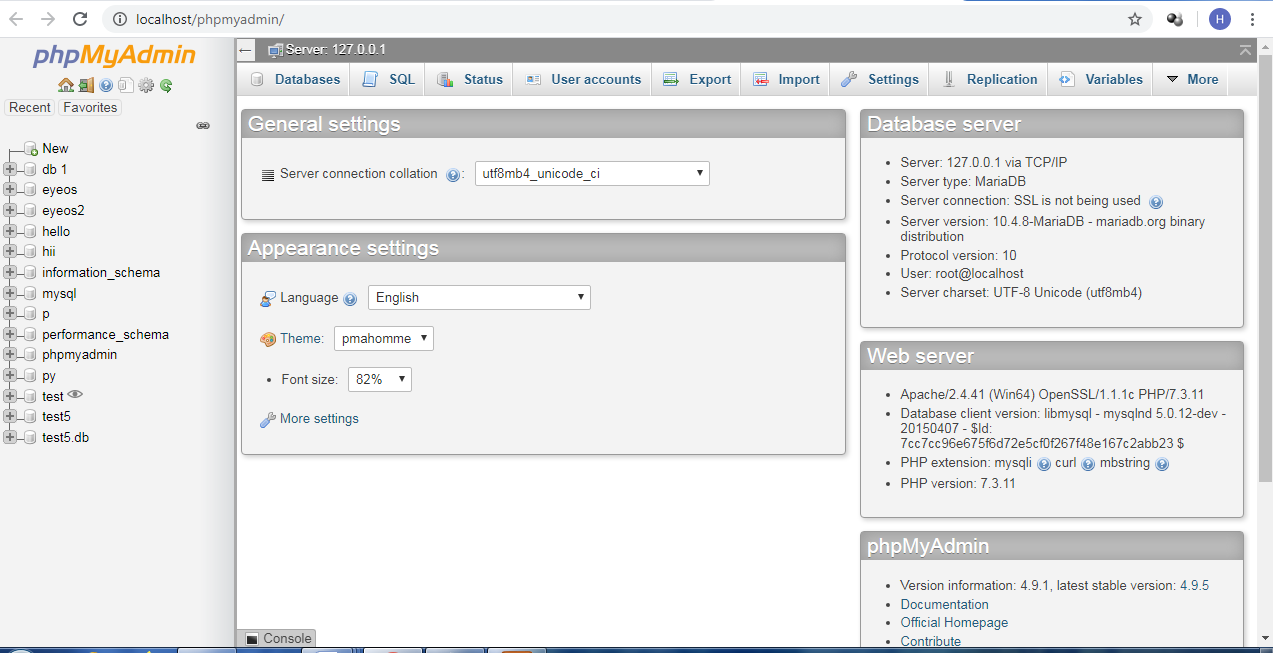
**3)Install Xampp in your Laptop:-**

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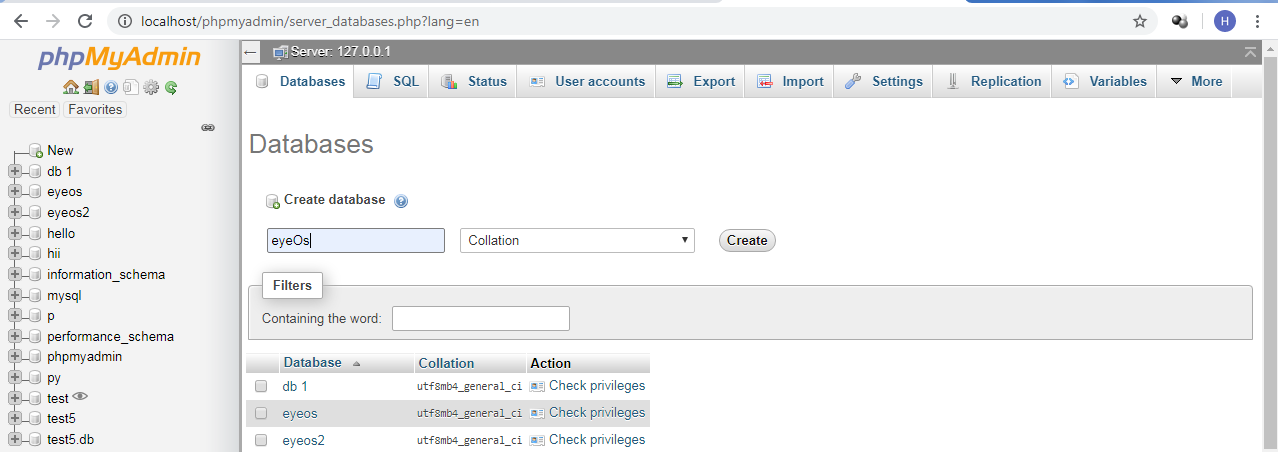
1. **Start Apache and MySql in XAMPP:-**



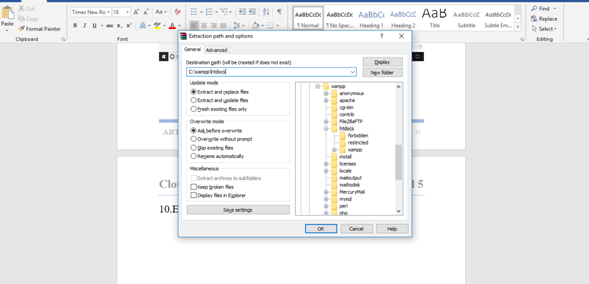
1. **Click on Admin button of MySql:-**



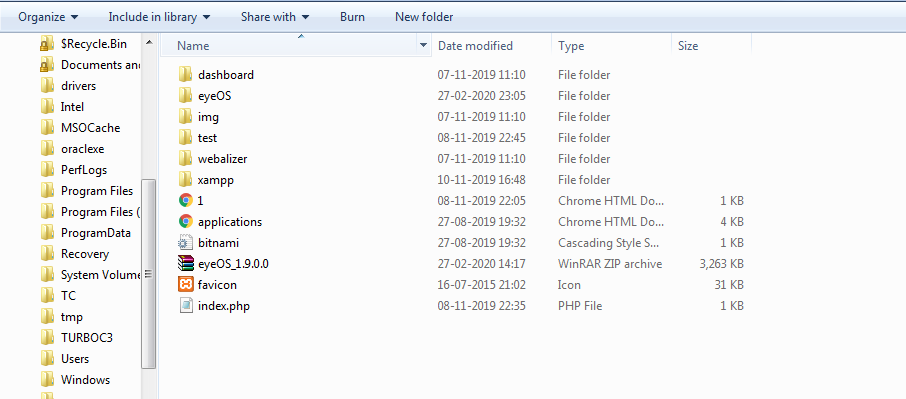
1. **Create Database name EyeOs:-**

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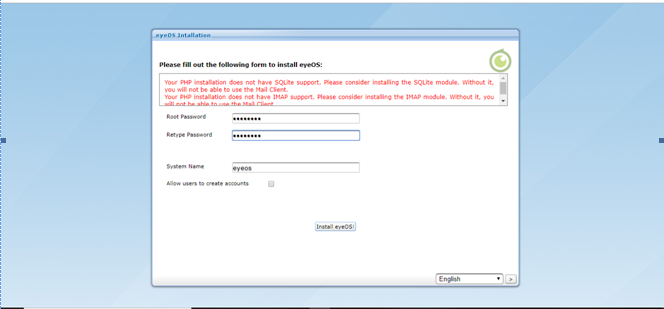
1. **Extract that eyeos zip file into C:\xampp\htdocs folder:-**



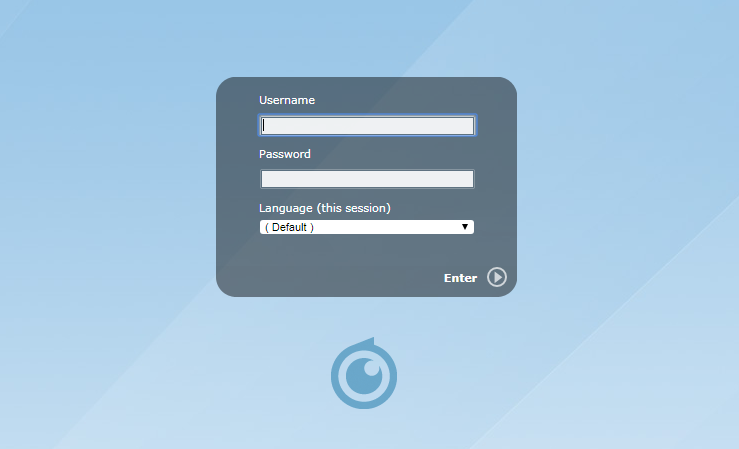
1. **Check whether extraction is in correct folder or not ?**



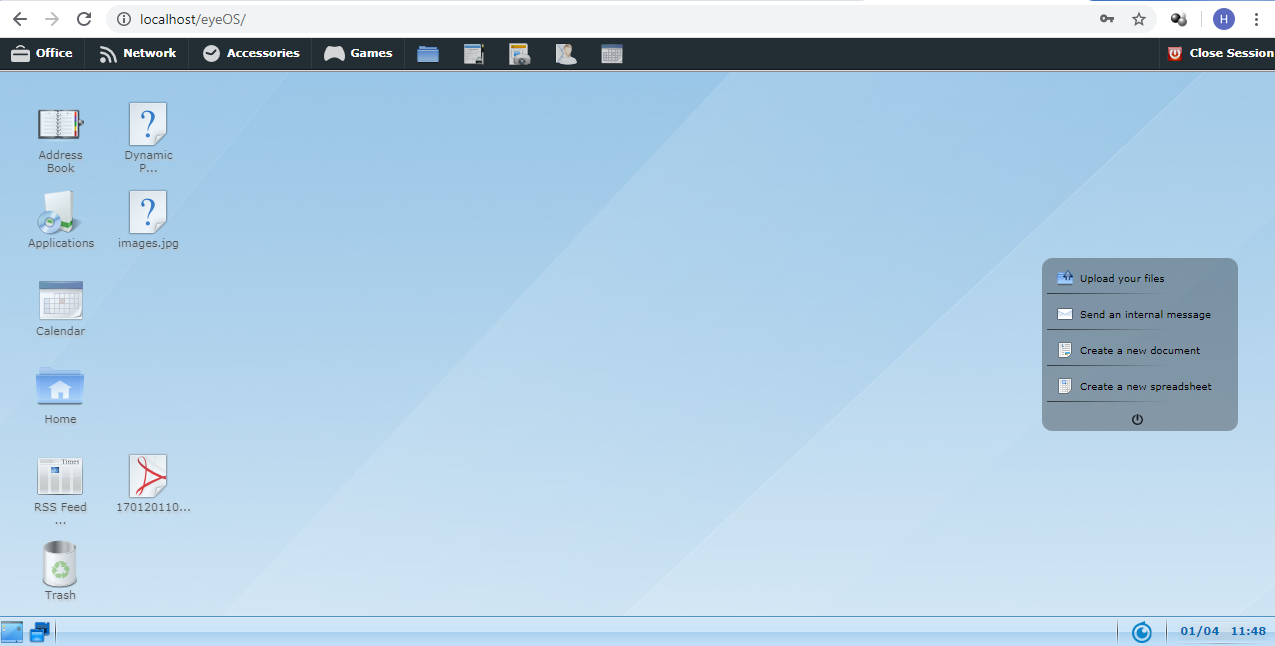
1. **Write localhost/eyeOs or localhost:8080/eyeOs and press Enter and set password:-**

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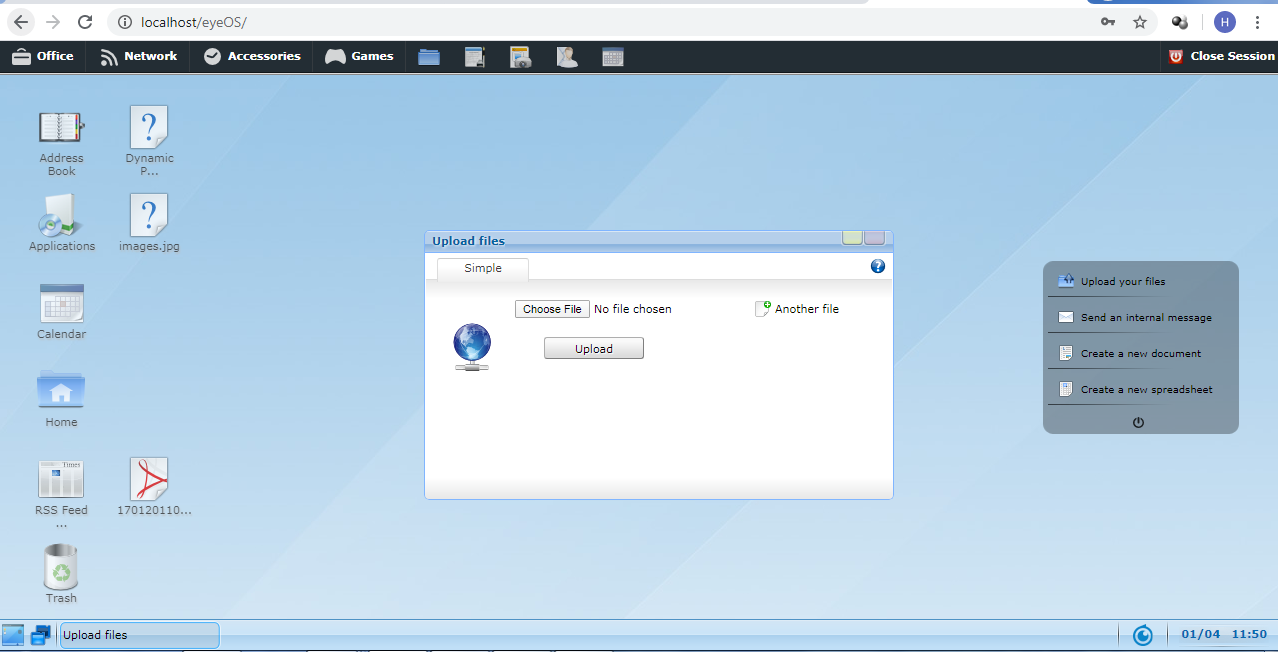
**10) Click on Install eyeOs it will open Login page of EyeOs:-**



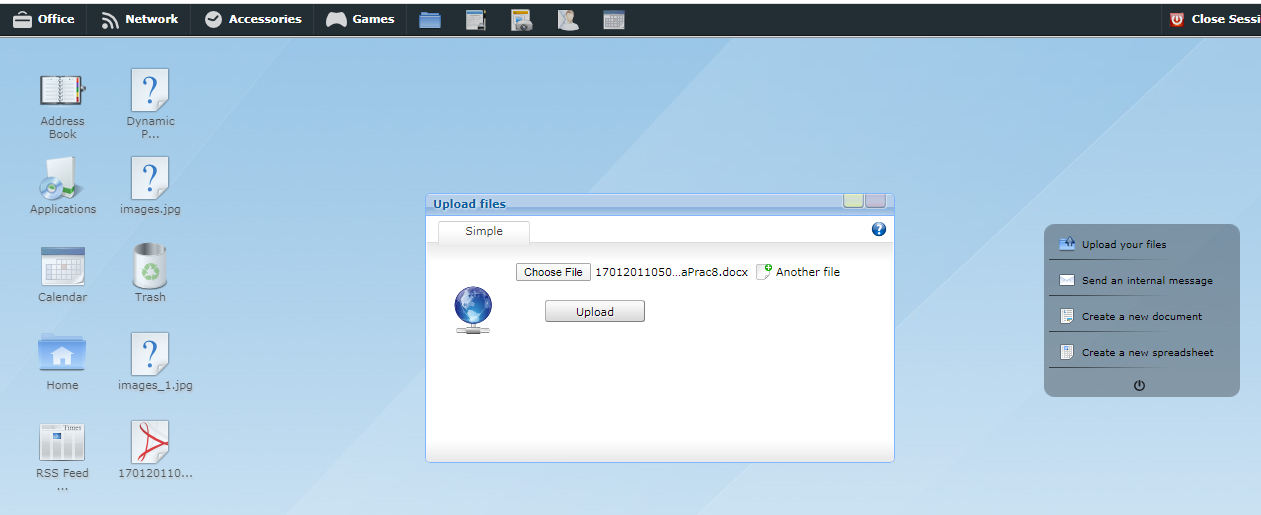
**11) Enter your Username=root and Password=whatever you set in previous step and press ENTER and it will open desktop page of EyeOs:-**

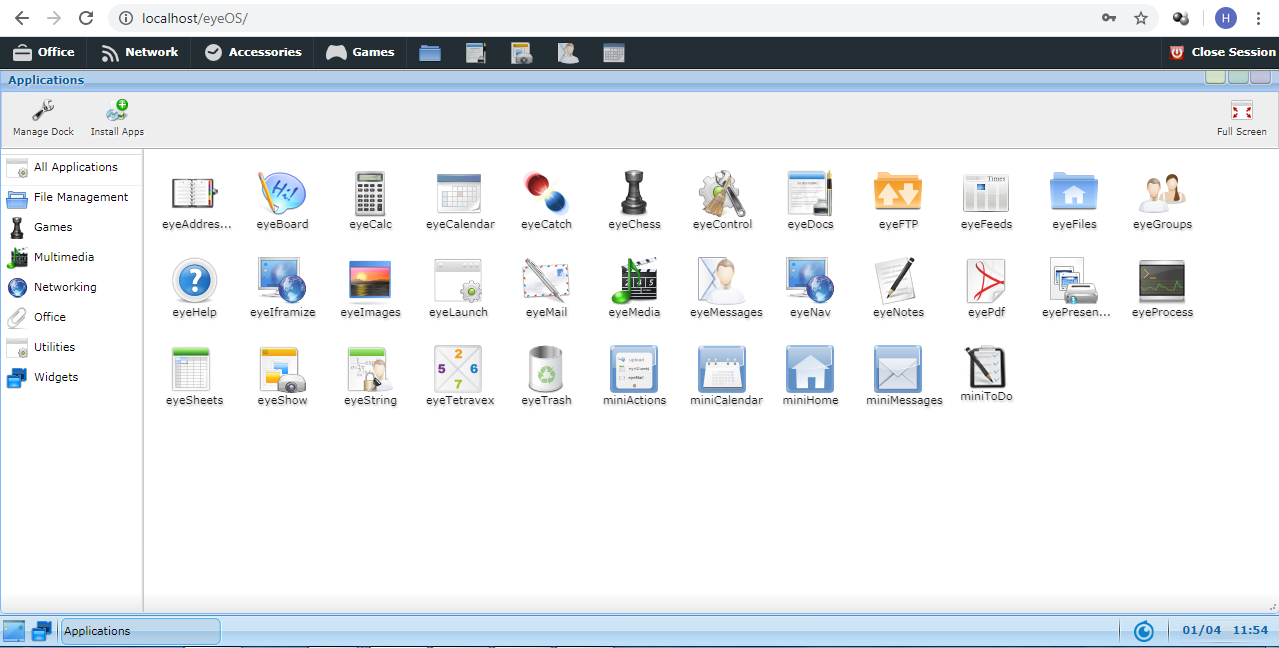


**12) If you want to upload any file then click in upload your files :-**



**13) And select your file and then click on the upload button:-**

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**Conclusion:-**

* Can use every where remotely.
* Is designed for developers without experience to develop web applications.
* Communication with the user through events.
* Creation of the interface using widgets.