



4.3.3 Facilities for E-content Development (Such as media center, recording facility, and lecture capturing system)

➤ Learning Management System: MOODLE

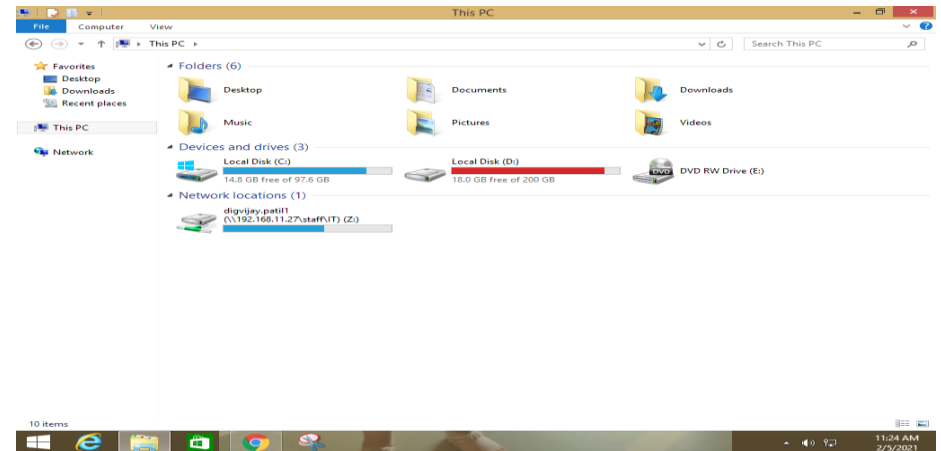
It's an open source system used to create interactive online learning sites which runs on almost all platforms. Moodle environment have many options to access assignments, interact with the students in course, upload assignments, students assessment and much more.

Features

1. **Quizzes and Tests:** Evaluation and Preparation Techniques
2. **Lesson:** Set up own lessons and courses and to keep them under control.
3. **Chat:** Participants can talk about what they want in real time with each other
4. **Forum:** User can discuss with all other registered user about many issues

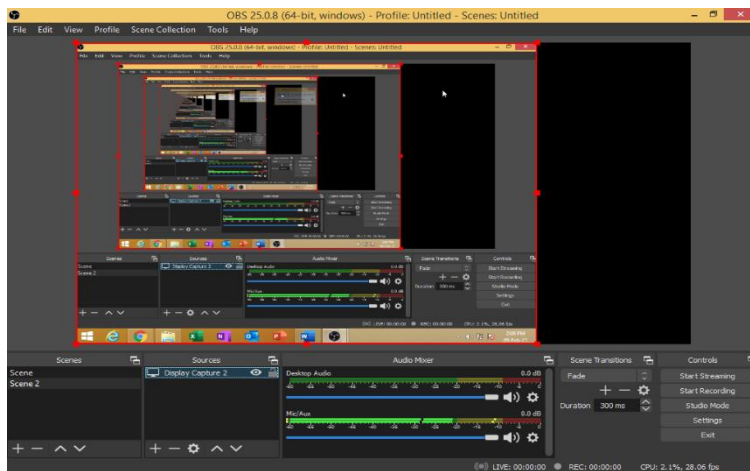
➤ Storage facility

- Storage Server: DELL Storage NX 3230 Intel Xeon E-5-2630 V3 2.4 GHZ
- Backup storage: Netgear SAN (4TB) Backup Device

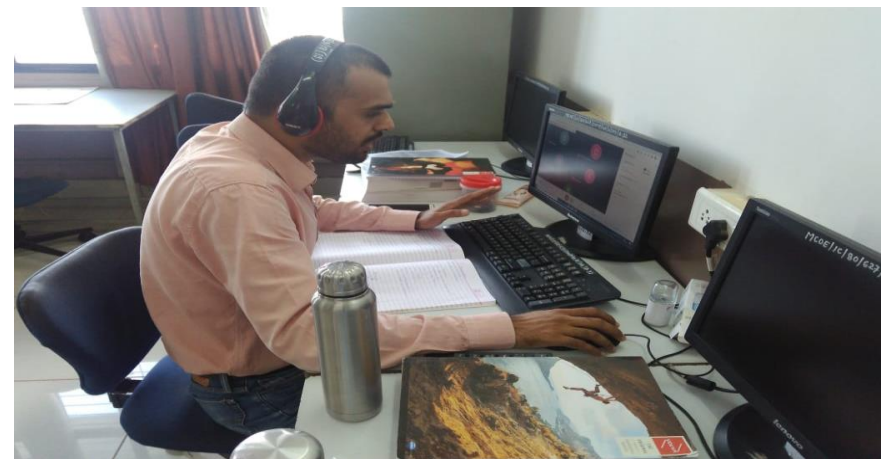


➤ Video Lecture Creation

- microphone with super quality
- Screen Recording Software



Video Recording and Live streaming Software: OBS studio



Recording Devices – SAMSON Go Mic (Portable USB microphone for recording), Headphone with Mic , Webcam etc.



Progressive Education Society's Modern College of Engineering, Pune-05.



The screenshot shows the YouTube channel page for Swapna Bhavsar, who has 126 subscribers. The channel is categorized under 'Videos'. The main content area displays a grid of video uploads, including:

- Between Operator in SQL with implementation (12 views, 16 hours ago)
- Between Operator in SQL (13 views, 1 day ago)
- View in SQL (from Multiple tables) (35 views, 5 days ago)
- Order By Clause in SQL (29 views, 1 week ago)
- Like operator in SQL (33 views, 1 week ago)
- Group by Clause & Having Clause in SQL (7:59)
- Aggregate Functions in SQL (8:22)
- View in SQL (53 views, 2 weeks ago)
- SQL Features (51 views, 3 weeks ago)
- DCL commands in SQL And its execution (11:51)

The left sidebar shows navigation options like Home, Trending, Subscriptions, Library, History, Your videos, Watch later, Liked videos, and Show more. The bottom of the page shows the Windows taskbar with various open applications.

The screenshot shows the YouTube channel page for Jyoti Jadhav, who has 11 subscribers. The channel is categorized under 'Videos'. The main content area displays a grid of video uploads, including:

- Random Access-ALPHA (27:40, 22 views, 5 months ago)
- Controlled Access (19:39, 16 views, 5 months ago)
- Code Division Multiple Access (14:51, 11 views, 5 months ago)
- Time Division Multiple Access (3:49, 24 views, 5 months ago)
- Channelization-Frequency Division Multiple Access (6:36, 29 views, 6 months ago)

The left sidebar shows navigation options like Home, Trending, Subscriptions, Library, and History. The bottom of the page shows the Windows taskbar with various open applications.

The screenshot shows a YouTube video player displaying a video titled "Implementation of System Call in C" by Pradeen Patil. The video has 89 views and was uploaded on Mar 17, 2020. The video content includes:

- GROUP - C EXPERIMENT NO : 12
- Title: Implement UNIX system calls like ps, fork, join, exec family, and wait for process management (use shell script/ Java/ C programming)
- Video Lecture By Mr.P.P.Patil (Asst.Professor,PES MCOE,PUNE-05)

The right sidebar shows related videos, including "LEARN OPENCV C++ 4 HOURS" and "L-1.7: System Calls in...". The bottom of the page shows the Windows taskbar with various open applications.



➤ WEBSITE-PERSONAL WEBSITE USED FOR TEACHING AND LEARNING (WORD PRESS/OTHER WEB DEVELOPMENT TOOLS)

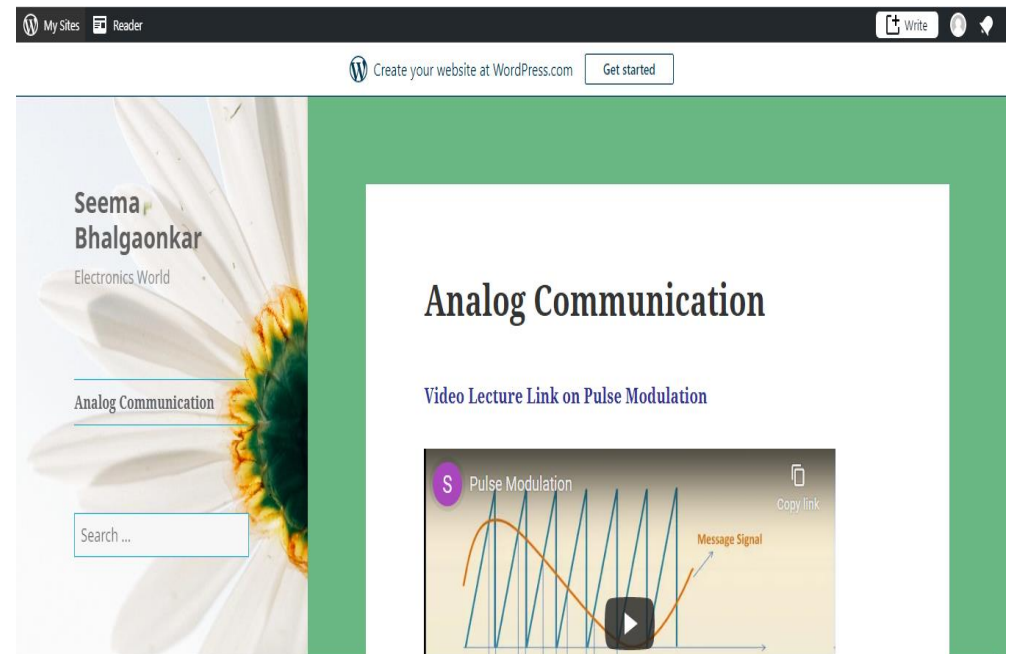
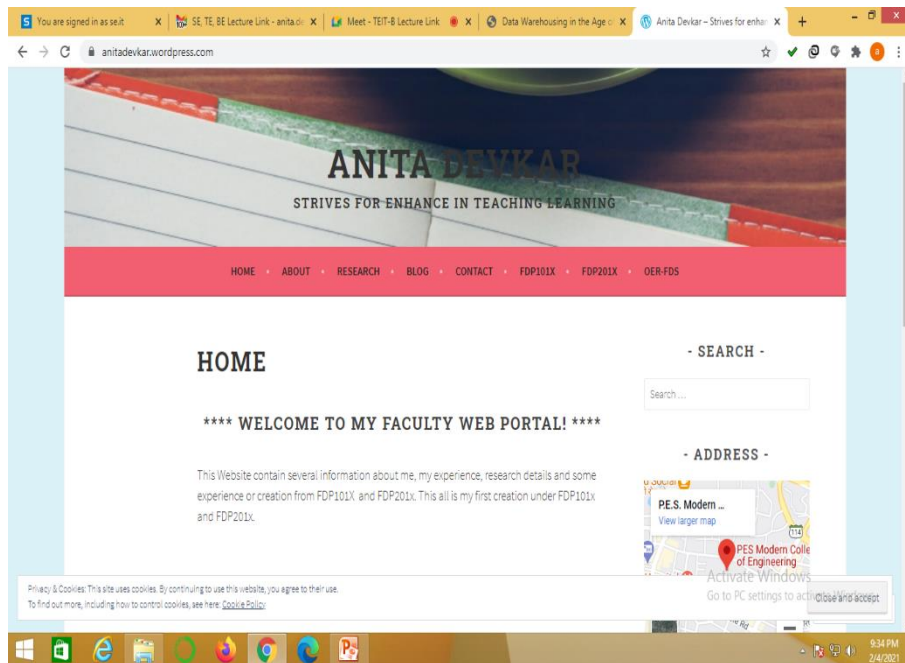
Personal web pages are World Wide Web pages created by an individual to contain content of a personal nature rather than content pertaining to a company, organization or institution. Faculties are creating their own website by using word press or any other portal.

Uses of Word press in different departments are: Creating Website/Distribution of Notes etc.

Some Links are:

<https://anitadevkar.wordpress.com/>

<https://seemabhalgaonkar.wordpress.com>



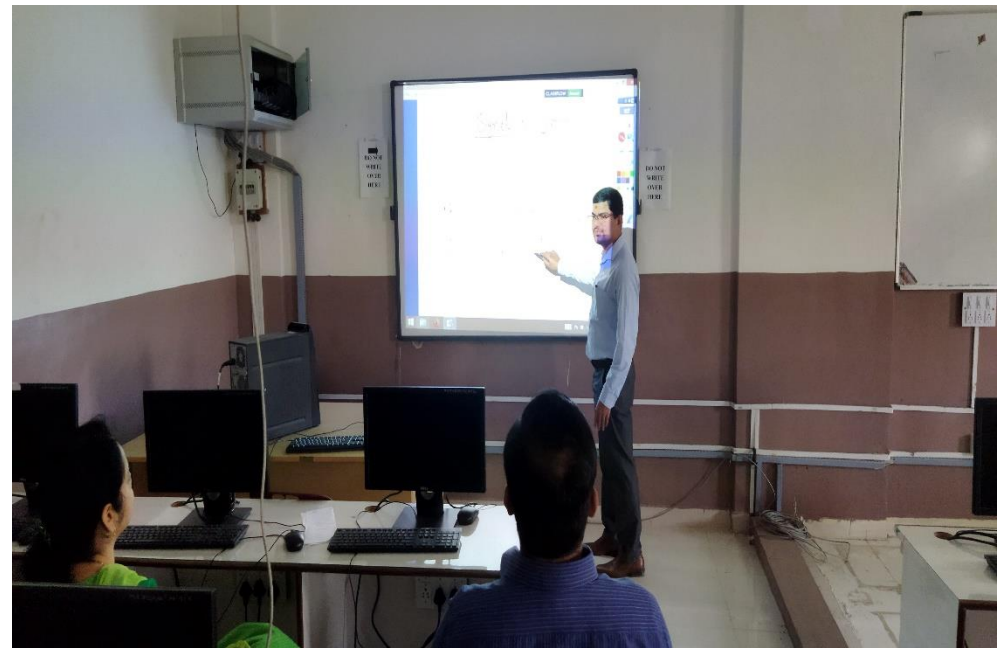
Google Classroom



Digital Infra (lecture capturing system)

View Sonic Smart Board:

Interactive flat panel display is a perfect solution for interactive educational classroom applications. Interactive whiteboards allow many different forms of media – Screen Recording system to record a video of ongoing lecture, to display: photos, illustrations, maps, graphs, games, and video. SMART boards allow learners to easily access a rich database of online resources.



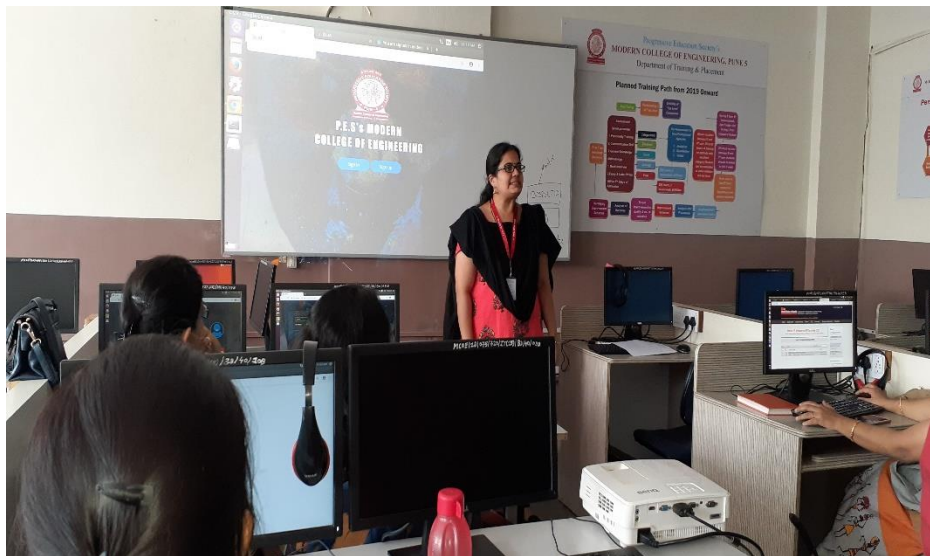
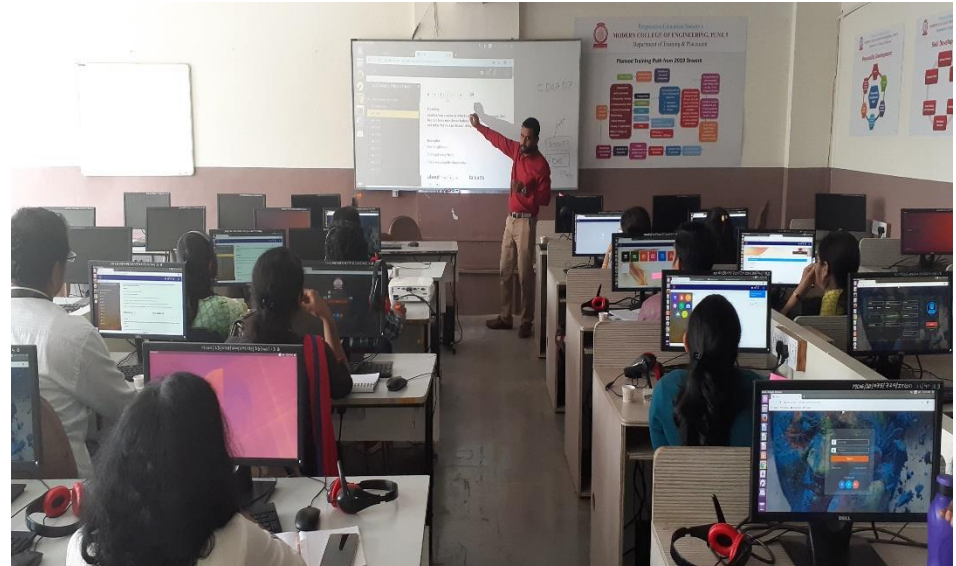
Language Lab Application: DLM

Specification:

One Server Console. Headphones
120 Client Console.

Features:

Above 3000 words pronunciation practice with the meaning.
Integrated extensive English language learning material.
Exercise on Grammar, vocabulary and reading comprehension.





Virtual lab:

1. To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
2. To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for

learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation.

3. To share costly equipment and resources, which are otherwise available to limited number of users due to constraints on time and geographical distances?

4. Video or documents generated by a teacher can be uploaded for the use of study and self-evaluation of students.

Search By: College N...
College Name: NC 48 PES's Modern College of Engineering, Shivajinagar, Pune
User Id: 2-Shreyasi Shubhendu Paul

Search

Department	Lab	Experiment	Total Time (hour:min:sec)
Computer Engineering	Computer Programming Lab	Structures	0 : 0 : 42
Computer Engineering	Mobile Robotics Lab (IITH)	Scan matching	0 : 1 : 5
Computer Engineering	Mobile Robotics Lab (IITH)	Scan matching	0 : 1 : 9
Computer Engineering	Mobile Robotics Lab (IITH)	Sensor Modelling	0 : 1 : 58
Computer Engineering	Digital Logic Design Lab (IITH)	ALU with function	0 : 1 : 47