



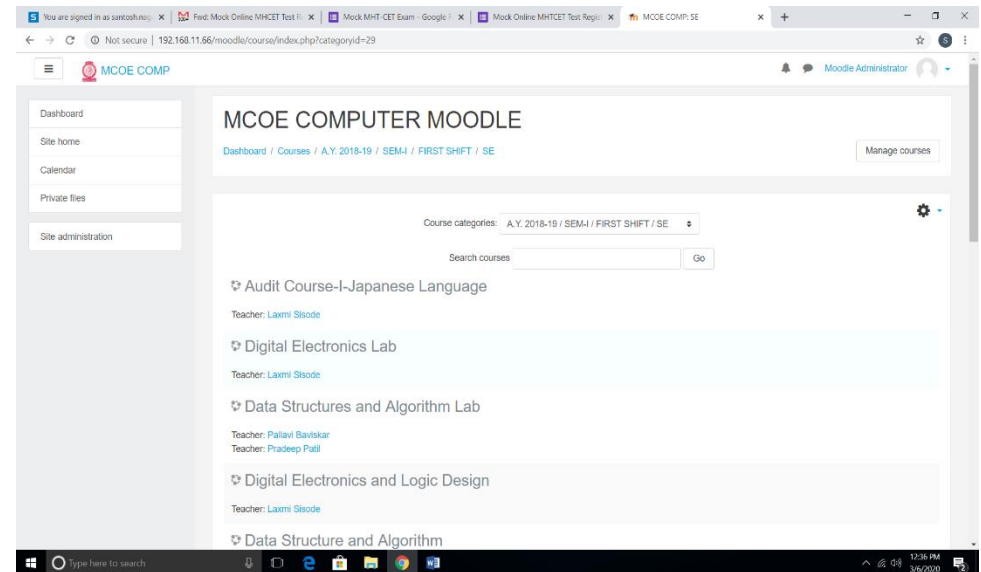
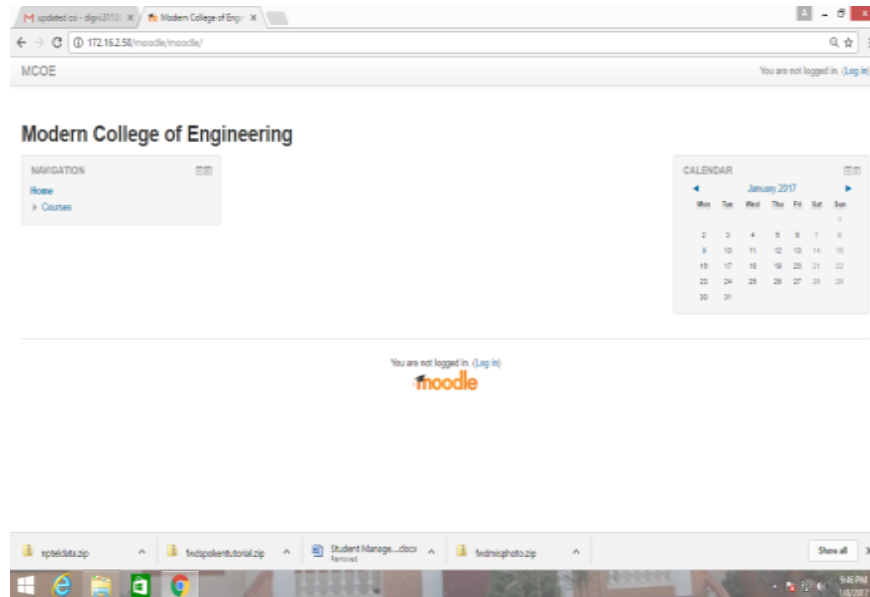
### 4.3.3 Facilities for E-content Development (Such as media center, recording facility, and lecture capturing system)

#### ➤ 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.

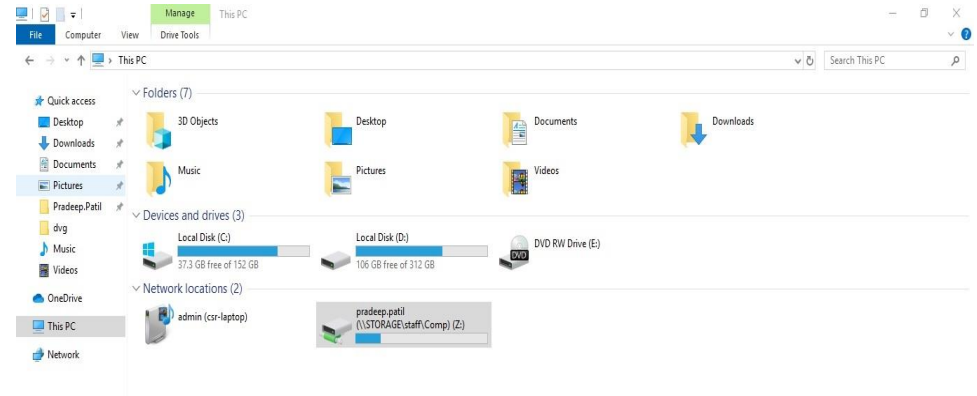
#### Features

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



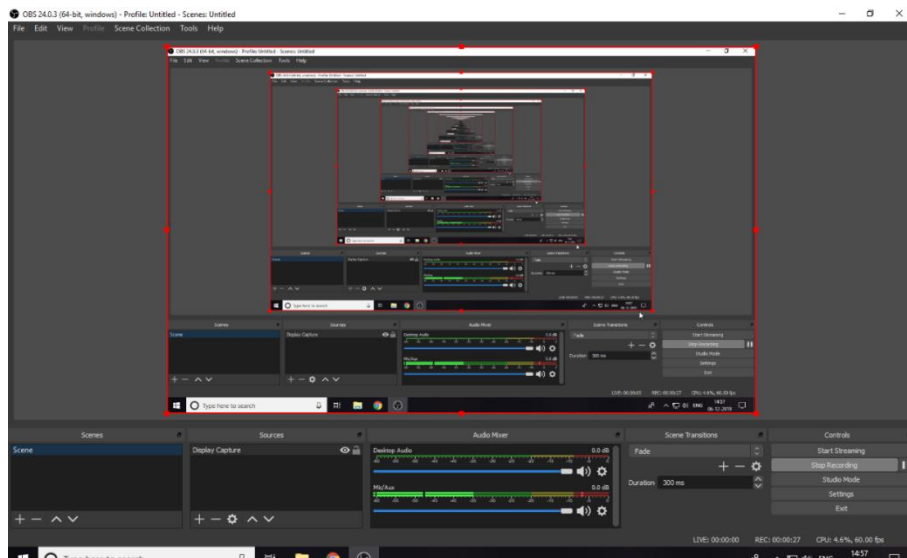
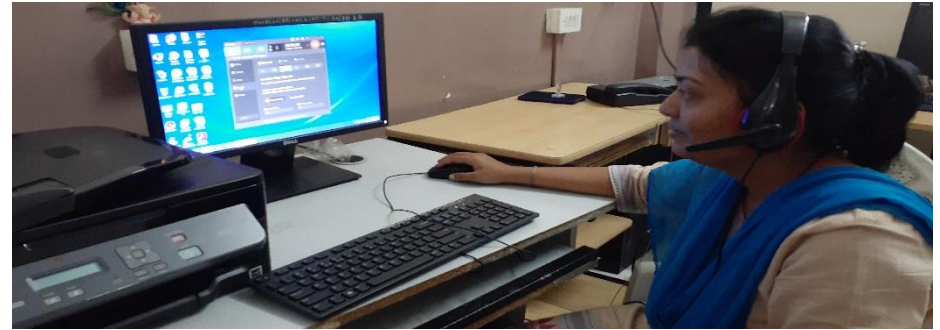
### ➤ Storage facility

- 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

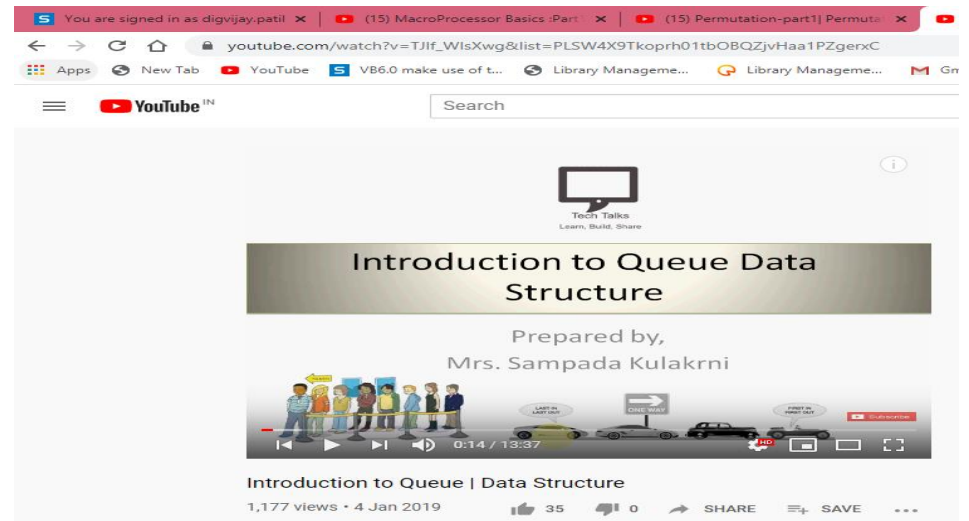
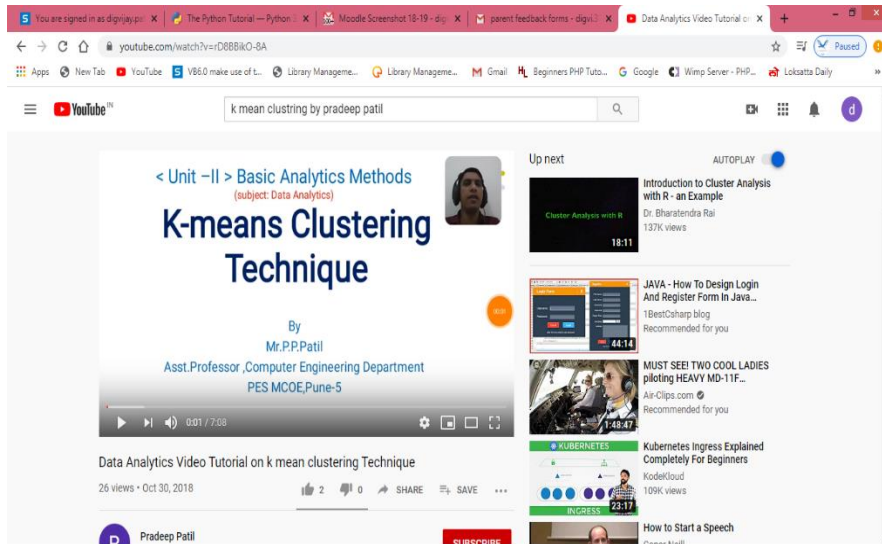
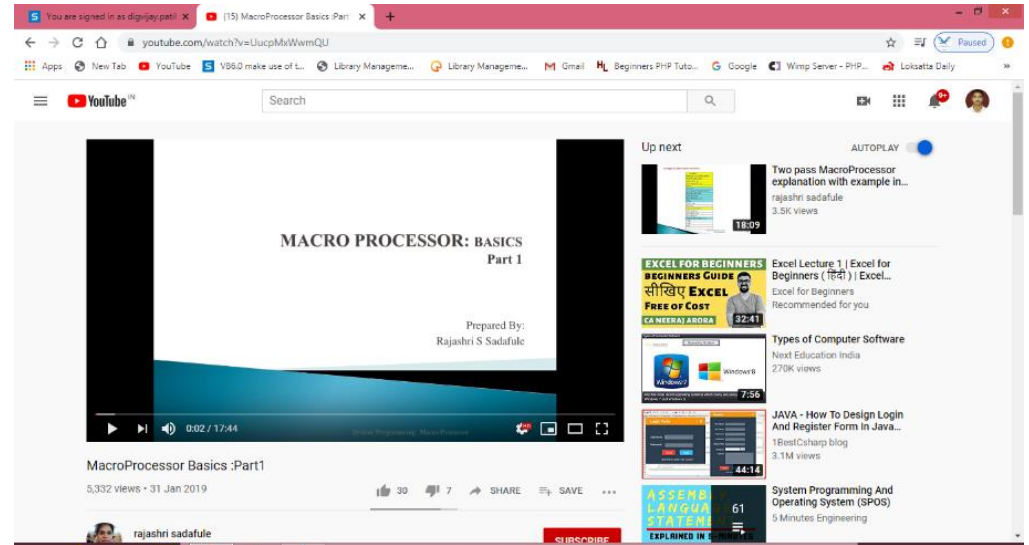
- microphone with super quality
- Screen Recording Software



Video Recording and Live streaming Software: OBS studio



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





## ➤ 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://shrikantdhavale.wordpress.com/about/>

<http://nrupalsankpal.wordpress.com/blog/>

Smart Tech Learning  
- Learning Engineering Concepts -

STUDY NOTES · ABOUT

About

Prof. Shrikant Rajendra Dhavale  
B.E. Mechanical Engineering M.E. Heat Power Engineering

NRUPAL R. SANKPAL

FDP 201X HOME ABOUT CONTACT BLOG FDP101X

### Flip Class Room Activity EM

10 oct 2018

Watch Below Video and Solve the quiz

EMVideo

$$E_i = \lambda E_o e^{-\gamma z}$$
$$H_i = \frac{1}{\eta} E_o e^{-\gamma z}$$

The expression for intrinsic wave impedance and propagation constant

$$\eta = \frac{j\omega\mu}{\gamma} = \frac{j\omega\mu}{\sqrt{j\omega\sigma + \omega^2\epsilon}}$$
$$\gamma = \alpha + j\beta = j\omega\sqrt{\mu\epsilon} \sqrt{1 - \frac{\sigma}{\omega\epsilon}}$$

ADDRESS & INFO

1186, Jangali M...  
View larger map

1186, Jangali Mahar Road, Shivajinagar  
Panchavati Gaurav  
Lokmanya Tilak Museum  
Bus stop

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

Complex Number Assignment

Video:

**Group A: Assignment No. 2**

**Complex Numbers**

ABOUT ME  
Myself Santosh Nagargoje, Asst. Professor from Modern College of Engineering, Shivajinagar, Pune-05. I am very much interested in Web Development, Mobile App Development.

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Mahatma Phule Institute of Education  
Ganesh Kulkarni  
Ganesh Kulkarni  
Ganesh Kulkarni

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Group A: Assignment No. 3

**Quadratic Equations**

**Mr. Santosh N. Nagargoje**

Source Code:

```
/*Implement a class Quadratic that represents degree two polynomials i.e.  
1. A constructor (including a default constructor which creates the 0 polynomial  
2. Overloaded operator+ to add two polynomials of degree 2.  
3. Overloaded << and >> to print and read polynomials. To do this, you  
4. A function eval that computes the value of a polynomial for a given x.  
5. A function that computes the two solutions of the equation ax2+bx+c=0  
*/  
  
#include <iostream>  
#include <math.h> //required for sqrt() function  
using namespace std;  
class Quadratic{  
    int a,b,c,x;  
public:  
    Quadratic() //initialized the member variables with 0  
};
```

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December 2019

M	T	W	T	F	S	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Fourth Floor, Department of Computer Engineering,  
PES Modern College of Engineering,  
Shivajinagar, Pune-05  
+91-7709576376  
Working Hours: 11.00 am - 6.00 pm



## ➤ Google Classroom

classroom.google.com/c/NDlyMzY1NDYyNTda

Cloud Computing  
BE

Stream

Classwork

People

Marks

# Cloud Computing

BE

Class code 5ogohns

Select theme  
Upload photo

Upcoming

No work due in soon

View all



Share something with your class...



Dattatray Modani posted a new material: ppt on unit 5

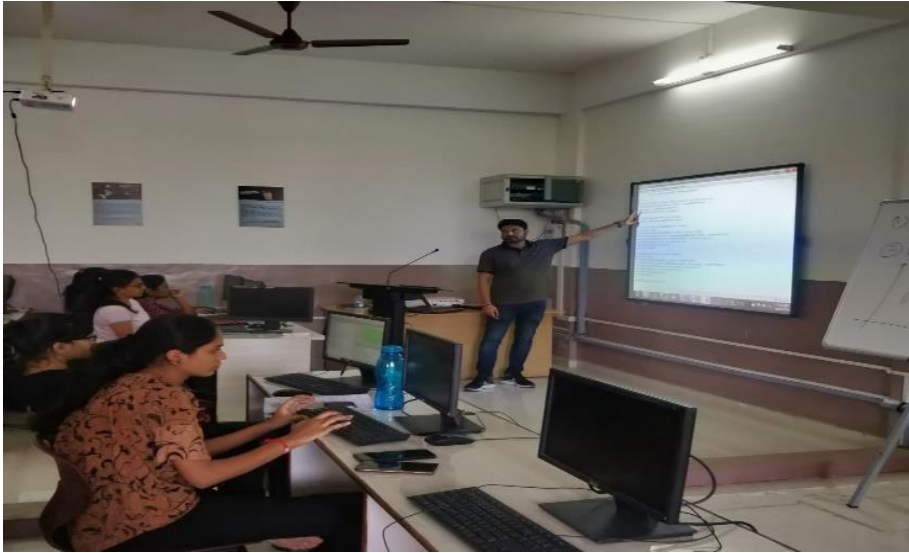


Dattatray Modani posted a new material: University previous question papers



Dattatray Modani posted a new material: syllabus





### 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.

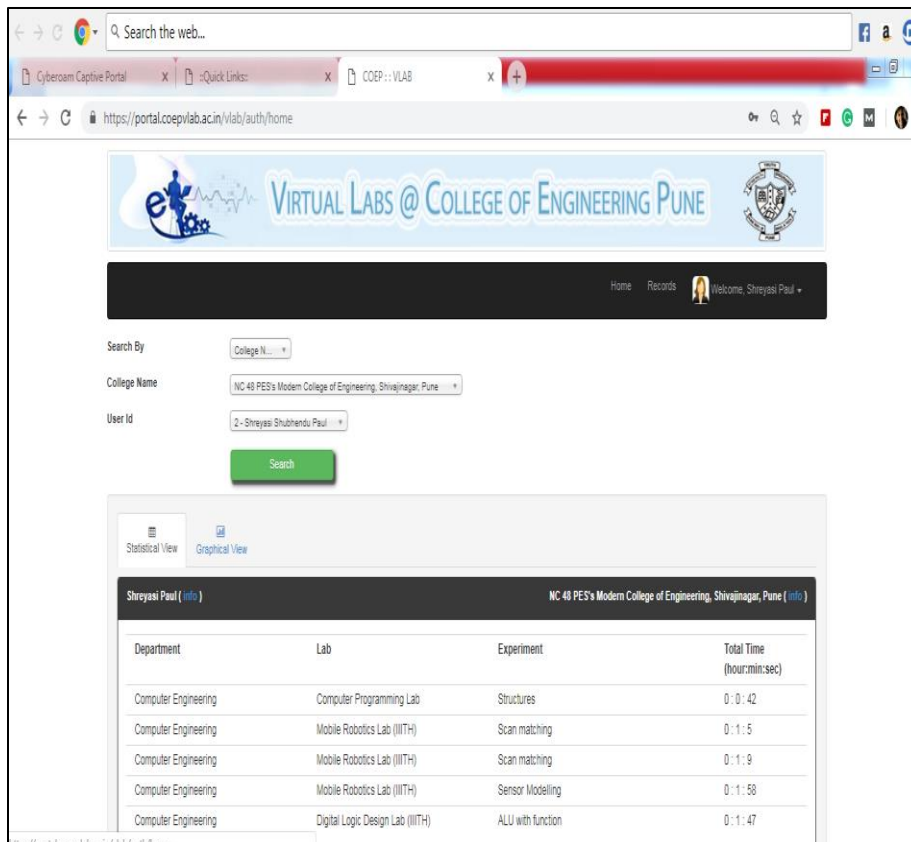
### Features:

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,



The screenshot shows the 'VIRTUAL LABS @ COLLEGE OF ENGINEERING PUNE' website. The search interface includes the following fields:

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

Below the search fields, there is a table showing user activity for Shreyasi Paul:

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

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.