DEPARTMENT OF COMPUTER ENGINEERING

INNOVATIVE TEACHING AND LEARNING

AY-2022-23 (SE)

SEM III

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Neha Bhagwat	Computer Graphics	Video Based Learning
2	Prof. Chandrakant Kokane	Fundamental Data Structures	Web Based Learning
3	Prof. Shital Jade	Object Oriented Programming	Hands on Demo
4	Prof. Dr. V. V. Kimbahune	Digital Electronics and Logic Design	Web Based Learning
5	Prof. Kishor Pathak	Discrete Mathematics	Quiz Based

SEM IV

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Rohini Hanchate	Software Engineering	Virtual Lab
2	Prof. Sonali Dongre	Principles of Programming Languages	CrossWord Activity
3	Prof. Dhanashri Dixit	Microprocessor	Hands on Demo
4	Prof. Chandrakant Kokane	Data Structures & Algorithms	Virtual Lab

HOD-COMP

Nutan Maharashtra Vidya Prasarak Mandal's (NMVPM's)
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Tel. No. 02114 - 231666   E-mail : nmiettalegaon@gmail.com   Web : www.nmiet.edu.in

AICTE ID - 1-8618657   AISHE ID - C-41640   DTE ID - 6310   UNIVERSITY ID - CEGP013890

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AY-2022-23 (TE)

SEM V

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Dhanashri Patil	Database Management Systems	Virtual Lab
2	Prof. Satyajit Sirsat	Computer Networks and Security	Simulation Based Learning
3	Prof. Prakash Kshirsagar	Systems Programming and Operating System	Blog Reading
4	Prof. Rohini Hanchate	Software Project Management	NPTEL Video Based Learning
5	Prof. Dhanshri Dixit	Theory of Computation	Video Based Learning

SEM VI

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Pritam Ahire	Data Science and Big Data Analytics	Video Based Learning
2	Prof. Satyajit Sirsat	Cloud Computing	Web Based Learning

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AY-2022-23 (BE)

SEM VII

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Kavyashree H N	Design & Analysis of Algorithm	Learning Through expert Videos
2	Prof. Pritam Ahire	Machine Learning	Remote Desktop
3	Prof. Sonali Dongre	Cyber Security	Web Based Learning
4	Prof. Bharti Jadhao	Software Testing & Quality Assurance	Visualization of Testing

SEM VIII

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Neha Bhagwat	High Performance Computing	Video Based Learning
2	Prof. Suhas Chavan	Deep Learning	Video Based Learning
3	Dr. Saurabh Saouji	Image Processing	Virtual Lab
4	Prof. Sonali Dongare	Business Intelligence	Web Based Learning

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AY-2021-22 (SE)

SEM III

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Dhiraj Patil	Fundamentals of Data Structures	Web Based Learning
2	Prof. Sulbha Ghadling	Object Oriented Programming	Hands on session
3	Prof. Shital Jade	Discrete Mathematics	Puzzle Based Learning
4	Prof. Sonu Khapekar	Computer Graphics	Web Based Learning

SEM IV

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Jayashri Shinde	Engineering Mathematics- III	Web Based Learning
2	Dr. Sanjay Sange	Software Engineering	Brainstorming
3	Prof. Sulbha A. Ghadling	Principles of Programming Languages	Quiz Based
4	Prof. Chandrakant Kokane	Data Structures & Algorithms	Virtual Lab

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DEPARTMENT OF COMPUTER ENGINEERING

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AY-2021-22 (TE)

SEM V

Sr. No.	Faculty Name	Subject	Methodology
1	Prof Amruta Surana	Database Management Systems	Activity Based Learning
2	Prof Ashish Manwatkar	Computer Networks and Security	Web Based Learning
3	Prof. Gurpreet Bhatti	Systems Programming and Operating System	NPTEL Video Learning
4	Kishor Pathak	Theory of Computation	Video Learning

SEM VI

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Rohini Hanchate	Data Science and Big Data Analytics	NPTEL Video Based Learning
2	Prof Ashish Manwatkar	Artificial Intelligence	Video Based Learning

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AY-2021-22 (BE)

SEM VII

Sr. No.	Faculty Name	Subject	Methodology
1	Dr. Sanjay Sange	Artificial Intelligence and Robotics	Video Based Learning
1	Prof.Kavyashree H. N.	Software Testing and Quality Assurance	NPTEL Video Based Learning

SEM VIII

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Kavyashree H. N.	Business Intelligence	Web based Learning
2	Prof. Gurpreet Bhatti	Machine Learning	Mooc Learning
3	Prof. Kapil Wagh	Cloud Computing	Web Based Learning

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AY-2020-21 (SE)

SEM III

Sr. No.	Faculty Name	Subject	Methodology
1	Prof.Vikas Nandgaonkar	Computer Graphics	NPTEL Video Based Learning
2	Prof. Sulbha Ghadling	Object Oriented Programming	Mind Mapping
3	Prof. Aparna Pande	Discrete Mathematics	Quiz Based
4	Prof. Gurpreet Bhatti	Digital Electronics and Logic Design	Based on Digital Circuit

SEM IV

Sr. No.	Faculty Name	Subject	Methodology
1	Dr. Sanjay Sange	Software Engineering	Web Based Learning
2.	Prof.Vivek Nagargoje	Principles of Programming Languages	Hands on online coding sessions

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AY-2020-21 (TE)

SEM V

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Aparna Pande	Software Engineering and Project Management	Video Based Learning
2	Prof. Gurpreet Bhatti	Theory of Computation	NPTEL Video Based Learning
3	Prof Amruta Surana	Database Management Systems	Assignment Based Learning

SEM VI

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Amruta Surana	Systems Programming and Operating System	Web based Learning
3	Prof. Vivek Nagargoje	Web Technology	Web Based Learning

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DEPARTMENT OF COMPUTER ENGINEERING

INNOVATIVE TEACHING AND LEARNING

AY-2020-21 (BE)

SEM VII

Sr. No.	Faculty Name	Subject	Methodology
1	Dr. Sanjay Sange	Software Testing and Quality Assurance	Poster Making
2	Prof. Sonali Dongare	Artificial Intelligence and Robotics	Web Based Learning

SEM VIII

Sr. No.	Faculty Name	Subject	Methodology
1	Prof. Dhiraj Patil	Machine Learning	Video Based Learning
2	Prof.Gurpreet Bhatti	Information and Cyber Security	Quiz Based
3	Prof. Sonu Khapekar	Cloud Computing	Web Based Learning

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DEPARTMENT OF COMPUTER ENGINEERING

INNOVATIVE TEACHING AND LEARNING

AY-2022-23 (SE)

Semester	III
Subject Coordinator	Prof. Neha Bhagwat
Methodology	Video Based Learning
Activity	Activity based learning through online poster presenting in course teaching.
Objective	The course of Computer Graphics is covered with hands-on development and demonstration of posters in course teaching.
Outcome	The activity of poster making been useful to the students to learn the graphics in a more efficient way.

Description:

How can poster making activities facilitate the teaching learning process?

It provides students with an opportunity to learn by doing, in turn strengthening the learning. Students are able to visually represent the key points and while presenting elaborate on the same which facilitates their retention and recall of events and facts.

Tips to use educational posters in teaching and learning

1. Create appealing learning resources and assignments.
2. Create infographics to explain and illustrate difficult concepts.
3. Create classroom posters on essential learning content to decorate the classroom.

Reference: https://www.freepik.com/free-photos-vectors/computer-graphic

Course Coordinator

Program Coordinator

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AY-2021-22 (SE)

Semester	III
Subject Coordinator	Prof. Sulbha Ghadling
Methodology	Flip Classroom
Activity	delivering instructional content, often online, outside of the classroom.
Objective	Study about tough concepts in the classroom.
Outcome	Students would discuss with their peers and then check the content with their findings.

Description:

A Flipped classroom is an instructional strategy and a type of blended learning that reverses the traditional learning environment by delivering instructional content, often online, outside of the classroom. For subjects such as computer networks, artificial intelligence, cryptography and network security, our students are encouraged to learn from them online and they would discuss with their peer and then check the content with their findings.

Course Coordinator

Program Coordinator

DEPARTMENT OF COMPUTER ENGINEERING

INNOVATIVE TEACHING AND LEARNING

AY-2020-21 (SE)

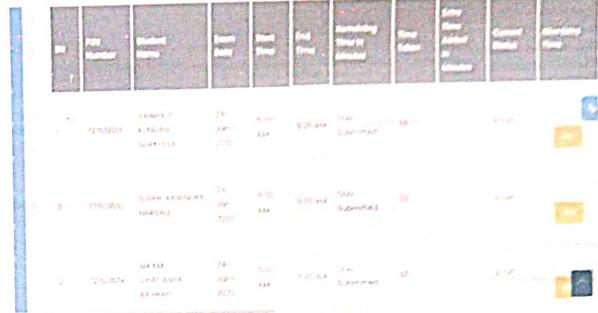| Semester	III
Subject Coordinator	Prof. Aparna Pande
Methodology	Quiz Based
Activity	Quiz conduction
Objective	To understand basic concept DM
Outcome	Students are able to understand basic concepts of DM

Description:

What is Quiz?

Quizzes can help students to recall information and get better grades. When the quiz is set as an assignment, students can play the quiz over again by themselves.

By repeating, the information will be stuck in their mind. Fun online quizzes can reduce students' stress.

Snapshot:

Outcome: Students understood their performance.

Reference: https://www.typeform.com/quizzes/

Course Coordinator

Program Coordinator