



# Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

Academic Year: 2022-23

## Academic Year 2022-23 (Odd Sem)

### Innovation activities by the faculty members in teaching-learning

| Sr. No. | Name of Faculty      | Course Name / Sem / Course Code                         | Innovative / Creative activity used | Short Description of the activity  | Link  |
|---------|----------------------|---|-------------------------------------|--|---|
| 1       | Dr. Megha Trivedi    | SE Sem III- CSC302- Discrete Structure and Graph Theory | Flipped Classroom                   | Flipped Classroom on Pigeonhole Principle– real life examples on pigeonhole principle were solved using the flipped classroom approach   | <a href="https://11nk.dev/PO5Jy">https://11nk.dev/PO5Jy</a>     |
|         |                      |   | Open Book Test in Library           | Open book test was conducted in the library environment, using a text/reference book in a group of two                                   |   |
| 2       | Dr. Tatwadarshi P.N. | BE Sem VII - CSC701 - Machine Learning                  | Flipped Classroom                   | Flipped Classroom on Singular Value Decomposition problems/sums were taken in a flipped classroom manner.                                | <a href="https://acesse.one/51G3G">https://acesse.one/51G3G</a> |
| 3       | Dr. Dinesh Patil     | BE Sem VII CSDC 7022- Blockchain                        | Sudden Assessment                   | In this activity sudden test of the student is taken to improve their focus and learning capability .                                    | <a href="https://acesse.one/bmYkM">https://acesse.one/bmYkM</a> |
| 4       | Dr. Swapna Borde     | TE Sem V- CSC501 - Theoretical Computer Science         | Think Pair Share                    | During the lecture session, a group activity Think-pair-share activity was conducted for analyzing the students' understanding about the | <a href="https://11nk.dev/utFfs">https://11nk.dev/utFfs</a>     |

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|   |                     |  |                           | Deterministic finite automata and Non-deterministic finite automata  |   |
| 5 | Mr. Vikrant Agaskar | TE Sem<br>IIICSL304<br><br>OOP with<br>JAVA                | Kahoot Quiz               | After a couple of lectures, one small quiz is taken on the kahoot app. students used their own mobiles, laptops to attempt the   | <a href="https://acesse.one/I9z8C">https://acesse.one/I9z8C</a> |
|   |                     |  |                           | quiz and teacher can get all information at that particular time about how many students solved quiz correctly   |   |
| 6 | Mr. Anil Hingmire   | TE Sem V-<br>CSC502<br><br>Software Engineering            | Think-Pair-Share activity | During the lecture session, a group activity Think-pair-share activity was conducted to prepare components Software Requirements Specifications (SRS) documents for the given case study by performing brainstorming within the group. | <a href="https://acesse.one/e3p7b">https://acesse.one/e3p7b</a> |
|   |                     | BE Sem VII-<br>CSDC7013<br><br>Natural Language Processing | Video Clips               | After taking the lecture one small video clip was shown to students on real life NLP applications to identify the objectives, implementation problems or challenges and performance.   |   |
| 7 | Mrs. Smita Jawale   | SE Sem III -<br>CSC303 -Data Structures                    | Kahoot Quiz               | After taking lecture one small quiz is taken on kahoot app. students used their own mobiles,   | <a href="https://l1nk.dev/YyO2k">https://l1nk.dev/YyO2k</a>     |

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|   |                  |  |                         | laptops to solve quiz. And teacher can get all information at that particular time about how many students solved quiz correctly  |   |
|   |                  | TE Sem V - CSDLO5013 - Machine Learning            |                         | After taking lecture one small quiz is taken on kahoot app. students used their own mobiles, laptops to solve quiz. And teacher can get all information at that particular time about how many students solved quiz correctly |   |
| 8 | Mr. Sunil Katkar | SE Sem III - CSC305 -CG                            | Animated Video          | During the class I displayed an animated video on the topic 'Types of Animation Techniques' through a YouTube link.   | <a href="https://acesse.one/SpCgk">https://acesse.one/SpCgk</a> |
|   |                  | SE Sem III - CSC304 - DLCOA                        | Online K-map calculator | I was given a boolean function to minimize using k-map and told students to design the simplified function using logic gates theoretically. After this, I told them to check the solution using an online k-map solver.       |   |
| 9 | Mrs. Swati Varma | TE Sem V CSC504<br><br>Data warehousing and mining | Mind maps               | The topic was explained to the students first through the slides. Then they were asked to sketch mind maps and upload it on Google classroom  | <a href="https://acesse.one/8ffZt">https://acesse.one/8ffZt</a> |

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| 10 | Mr. Sanket Patil  | BE Sem VII-<br>ILOC7011-<br>Management<br>Information<br>System | Collaborative<br>Learning                                | During Lecture Created the group of 2-3 students in the class Assigned different topics of Business system to each groupCourse instructor allotted 45 minutes time to the individual group to read the topic from reference book or any other material      |   |
| 11 | Mrs. Sneha Mhatre | BE Sem VII -<br>CSC702 - Big<br>Data<br>Analytics               | Collaborative<br>Learning                                | During Lecture Created the group of 2-3 students in the class Assigned different types of recommendation system to each groupCourse instructor allotted 45 minutes time to the individual group to read the topic from reference book or any other material | <a href="https://acesse.one/1MJUw">https://acesse.one/1MJUw</a> |
|    |                   | BE Sem VII -<br>CSDC7011-<br>Machine Vision                     | Case Study   | During Lecture Created the group of 2-3 students in the class Assigned different types of Camera in Machine Vision and asked them to search information on the same.  |   |
| 12 | Mrs. Smita Patil  | TE Sem V -<br>CSC503<br>Computer<br>Network                     | Explanation of<br>topic using<br>Bollywood<br>characters | Formed the explanation of OSI layer in terms of Bollywood story. Each layer name was shown with a famous Bollywood actor.   | <a href="https://11nk.dev/pTSEw">https://11nk.dev/pTSEw</a>     |

## Academic Year 2022-23 (Even Sem)

### Innovation activities by the faculty members in teaching-learning

| Sr. No. | Name of Faculty      | Course Name / Sem / Course Code  | Innovative / Creative activity used                                      | Short Description of the activity   | Link  |
|---------|----------------------|--|--|---|---|
| 1       | Dr. Megha Trivedi    | SE Sem III- CSL405- Skill Based Lab<br>Course: Python Programming                | Implementation of programs in class using online compiler and Python 3.7 | Theory class was blended with practical demonstration of the concept taught using online compiler and Python 3.7  | <a href="https://11nk.dev/79IRN">https://11nk.dev/79IRN</a>     |
| 2       | Dr. P.N. Tatwadarshi | BE Sem VIII - CSDC8013 - Applied Data Science                                    | Collaborative Learning   | During Practical Sessions, the students were divided into two groups and they were given time to study the theory chapters in a group   | <a href="https://11nk.dev/PRY6n">https://11nk.dev/PRY6n</a>     |
| 3       | Dr. Dinesh Patil     | BE Sem VIII- CSDC 8012- Digital Forensics<br>BE Sem IV CSC 404- Operating System | Sudden Assessment  | In this activity sudden test of the student is taken to improve their focus and learning capability   | <a href="https://11nk.dev/1ozq2">https://11nk.dev/1ozq2</a>     |
| 4       | Dr. Swapna Borde     | TE Sem VI CSC602- Cryptography and System Security                               | Think Pair Share   | During the lecture session, a group activity Think-pair-share activity was conducted for analyzing the students' understanding about the encryption and decryption techniques | <a href="https://acesse.one/TLKni">https://acesse.one/TLKni</a> |
|         |                      | SE Sem IV CSC402 - Analysis of Algorithms  | Think Pair Share   | During the lecture session, a group activity Think-pair-share activity was conducted for analyzing the students'  |   |

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|   |                     |   |                  | understanding about the Sorting and Divide & Conquer approach techniques  |   |
| 5 | Mr. Anil Hingmire   | TE Sem VI-<br>CSC604: Artificial Intelligence         | Think-Pair Share | During the lecture session, a group activity Think-pair-share activity was conducted for analyzing the students' understanding about the expert system.   | <a href="https://11nk.dev/4MYJ7">https://11nk.dev/4MYJ7</a> |
| 6 | Mr. Vikrant Agaskar | TE/VI<br>CSL603<br><br>Mobile Computing               | Kahoot Quiz      | To recall the concepts and full forms in Mobile Computing<br><br>Method: Kahoot! is a game-based learning platform, used as educational technology in educational institutions. Its learning games, "Kahoots", are user-generated multiple-choice quizzes that can be accessed via a web browser or the Kahoot app.<br><br>At the end of the term one small quiz is conducted on Kahoot app. Students used their own mobiles and laptops to solve quiz. | <a href="https://11nk.dev/Ykdr8">https://11nk.dev/Ykdr8</a> |
| 7 | Mrs. Smita Jawale   | SE Sem IV -<br>CSC403<br>- Database Management System | Mindmap          | During Lecture session Url is shared with students an according to it mind map was created online.  | <a href="https://11nk.dev/vb5bP">https://11nk.dev/vb5bP</a> |
| 8 | Mr. Sunil Katkar    | SE Sem-IV<br>CSC405<br>Microprocessor                 | Spin the Wheel   | A Spin the wheel is a form of student assessment. It is a game to test the students' knowledge about  | <a href="https://11nk.dev/u7S4V">https://11nk.dev/u7S4V</a> |

|    |                   |  |                                   |   |   |
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|    |                   |  |                                   | a certain topic in a subject. It also measures student's knowledge, abilities, and skills.  |   |
| 9  | Mrs. Swati Varma  | TE Sem VI/<br>CSDLO6013<br>/Quantitative Analysis          | Kahoot Quiz                       | After taking the lecture one small quiz was taken on the kahoot app, students used their own mobiles, laptops to solve the quiz and teacher can get all information at that particular time about how many students solved quiz correctly | <a href="https://acesse.one/FcNGb">https://acesse.one/FcNGb</a> |
|    |                   | BE Sem VIII/<br>CSC801<br>/Distributed Systems             | Collaborative Problem Solving     | Case studies were given to the students, and they had to design a solution using the topics learnt in the chapter. Students worked in groups.   |   |
| 10 | Mrs. Sneha Mhatre | BE Sem VIII -<br>CSDC8022 - High Performance Computing     | Collaborative Learning-Case Study | During Lecture, the students were divided into two groups and they were given time to study the theory chapters in a group  | <a href="https://acesse.one/bhL6k">https://acesse.one/bhL6k</a> |
| 11 | Mrs. Neha Surti   | TE/VI/ System Programming and Compiler Construction/CSC601 | Animation Videos                  | Videos have positive outcomes on multiple levels, including increased motivation and deeper learning.   | <a href="https://11nk.dev/JqWkp">https://11nk.dev/JqWkp</a>     |

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