BVRIT HYDERABAD College of Engineering for Women
Department of Electronics and Communication Engineering

Name of the Activity: Build Structure of Application

Faculty Name: Dr. V. Santhosh Kumar
Class / Semester: IV ECE B/I sem
Academic Year: 2021-22
Subject Name: Digital Image Processing

Brief Write-up (Not exceeding 200 Words)

Students learn through their participation in the attainment of knowledge by gathering information and processing it by solving problems and articulating what they have discovered. If you are in rapid-prototyping or proof-of-concept "get something small running quickly" mode, you can cram everything into one file. But breaking things into multiple pieces often helps you organize your code and create "separation of concerns"; these are the scenarios that apply concepts learned in class to a "real-life" situation. They are usually presented in narrative form and often involve problem-solving, links to course readings or source materials, and discussions by groups of students, or the entire class. Usually, case studies are most effective if they are presented sequentially, so that students receive additional information as the case unfolds, and can continue to analyze or critique the situation/problem. Problem-based learning activities are similar to case studies but usually focus on quantitative problems. In some cases the problems are designed to introduce the material as well as provide students with a deeper learning opportunity.

Objective:
The advantages of problem-based learning activities and case studies include developing students problem solving and decision making skills, develop student's critical thinking skills encouraging critical reflection and enabling the appreciation of ambiguity in situations. Students discuss and analyze the outcome (either in pairs/small groups, or as a whole class), based on their initial predictions/ interpretations.

Photographs

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Name of the Activity: Cubing

Faculty Name: Ms. Rama Lakshmi G
Class / Semester: IV ECE B/I sem
Academic Year: 2021-22
Subject Name: Digital Image Processing
Topic: Unit I (Image Transforms)

Brief Write-up (Not exceeding 200 Words)

It is an assessment strategy that involves a bit of randomness or chance to lessons. This activity can be conducted individually or in groups. Here, students are given a cube with different questions, prompts or directions on each side of the cube. When a student rolls the cube, she should be prepared to answer whatever question or prompt that they get. This activity can be used for understanding the depth of knowledge students have gained over a particular concept. It makes the students think in different angles over a concept.

Objective:
To Understand the grasping level of students regarding topics learnt and to clear the misconception in the related topic.

Photographs

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Name of the Activity: Four corners

Faculty Name: Ms. Rama Lakshmi G
Class / Semester: IV ECE B/I sem
Academic Year: 2021-22
Subject Name: Digital Image Processing
Topic: Unit IV (Image segmentation)

Brief Write-up (Not exceeding 200 Words)

It is an assessment strategy where students are asked to decide regarding a problem or question. This strategy results in improving the critical thinking of the students. Here a problem or a question is posed to students and provide four different responses like Strongly agree, Agree, Disagree and Strongly Disagree. These options represent the 4 corners of the classroom. The students are asked to choose an option for the given problem or question and then they are asked to explain as to why they have chosen that option. Once the justifications of their peers are also given, students are given an option of choosing a different corner from their original choice. Finally, by hearing all the discussions rendered by their peers and suggestions from faculty, by the end of this activity all the students will come to a clarity as to why this corner is chosen for the given problem or question. This activity certainly helps the students in getting a clarity on the concept, clear their misconceptions and improve their oral skills as they are actively involved in the discussions with their peers.

Objective:
To Understand the grasping level of students regarding topics learnt and to clear the misconception in the related topic.

Photographs

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Name of the Activity: Crossword Puzzle

Faculty Name: Ms. M. Praveena
Class / Semester: III ECE B/I sem
Academic Year: 2021-22
Subject Name: Microprocessors & Microcontrollers
Topic: Unit I (8086 Architecture, Addressing modes, Instruction set & Programming)
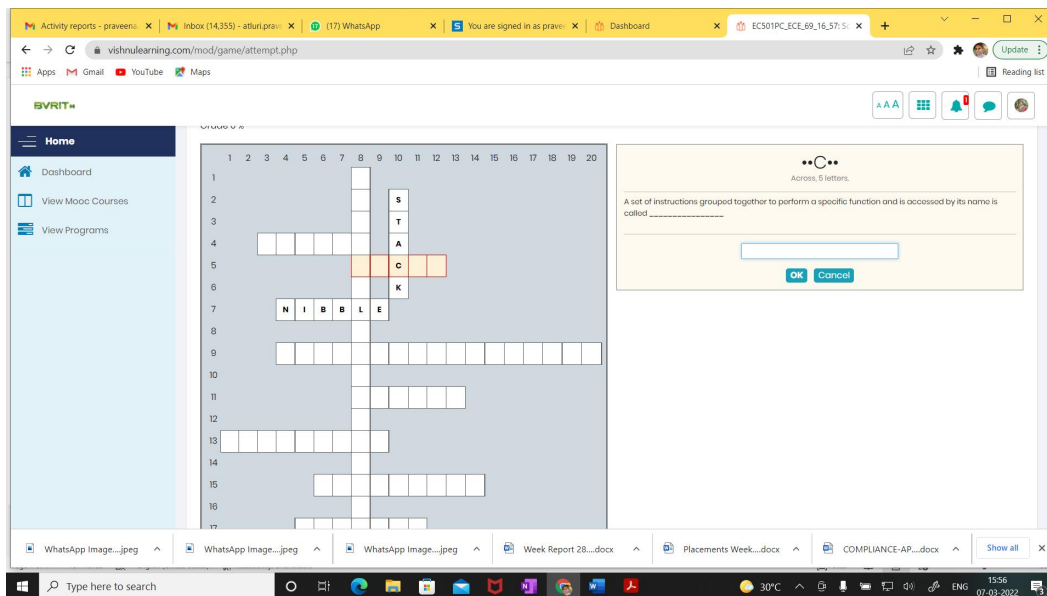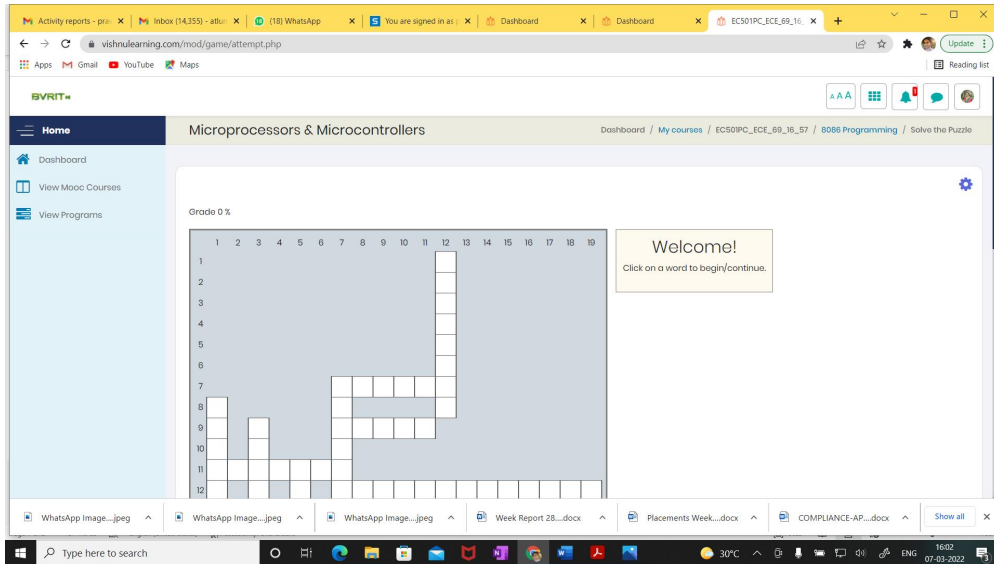
Brief Write-up (Not exceeding 200 Words)
Created a glossary for all the concepts learnt in Unit I and shared a crossword created from the glossary to the students through Moodle course portal. Students have attempted the crossword and from this we have analysed the percentage of concepts learnt by students and thereby guided them on the concepts they were lacking.

Objective:
To Understand the grasping level of students regarding topics learnt and understand the speed of content delivery.

Photographs

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Name of the Activity: Carousel Brainstorming

Faculty Name: Ms. M. Praveena
Class / Semester: III/I ECE B
Academic Year: 2021-22
Subject Name: Microprocessors & Microcontrollers
Topic: Unit II (8051 Microcontroller – Architecture, Instruction set and Addressing Modes)

Brief Write-up (Not exceeding 200 Words)

This is a group activity wherein students confer among themselves over a concept on which they were asked to give their views. This is in turn passed on to next group who will study the first group representation of the concept and add either question marks over the representation which require clarity or put a cross mark over the representation which are wrongly interpreted. Like this the paper will be passed on to all the groups and finally the first group receives its paper and then they need to give justifications to all the representations done by them, answer all the question marks and correct all their mistakes.

Objective:
This gives a wide range of scope to the students to discuss with their peers regarding the concepts and help them in better understanding the concepts because of these discussions in peer group and identifying the mistakes done by other peers.

Photographs

For any queries, please contact to below mail: praveena.m@bvrithyderabad.edu.in

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Name of the Activity: Open book Quiz

Faculty Name: T. Amy Prasanna
Class / Semester: IV CSE A/ I sem
Academic Year: 2021-22
Subject Name: Electronic Sensors
Topic: Unit I,II(Sensors & Transducers, Thermal sensors)

Brief Write-up (Not exceeding 200 Words)

students are divided into groups, questions are posed to each group and they have to answer that question by checking their class notes in given time. It is the activity to encourage students to maintain class notes.

Objective:
To encourage students to take running notes and maintain it without missing any topic.

Photographs

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Name of the Activity: Technical Dumb charades

Faculty Name: T. Amy Prasanna
Class / Semester: IV CSE B/I sem
Academic Year: 2021-22
Subject Name: Electronic Sensors
Topic: Unit III,IV,V (Magnetic Sensors, Radiation Sensors, Smart Sensors)

Brief Write-up (Not exceeding 200 Words)

A Technical word or topic name is given from the subject to a selected student and they need to enact it. other students will guess that word. Later small discussion will be done about that topic..
Objective:
This helps the students to aware of all the topics in the subject and discussion helps to revise those topics.

Photographs

For any queries, please contact to below mail: prasanna.tella@bvrithyderabad.edu.in