Excelssior Education Society's
K. C. College of Engineering and Management Studies and Research
(Affiliated to University of Mumbai)
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

Department of Computer Engineering

Academic Year (2022-23)

Innovative Teaching Learning Activity Details

SR. No.	Name of Activity	Coordinator	Type Of Activity			Date	Duration
			Curricular	Co-Corricular	Extra Curricular		
1	Online wheeldecide.com Quiz	Nilima Patil	Curricular(DLCOA)			2022-23 odd sem	1 Hour
2	Quiz Assignment from available SWAYAM course	Neha Kale	Curricular(AOA)			2022-23 Even sem	2 weeks
3	Crossword Puzzle	Dr. Mahesh Maurya	Curricular (Natural Language Processing)	-	-	22-23 odd sem	1 Hour
4	Crossword puzzle	Kishor Salvi	Curricular(MP)			2022-23 Even sem	1 Hour
5	Sliding Window Protocol Class	Shraddha Shrivastav	Curricular(CN)			22-23 odd sem	1 Hour

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Department of Computer Engineering
A.Y. 2022-23 (ODD SEM)

Name of Faculty: Mrs. Nilima Patil

Subject : DLCOA

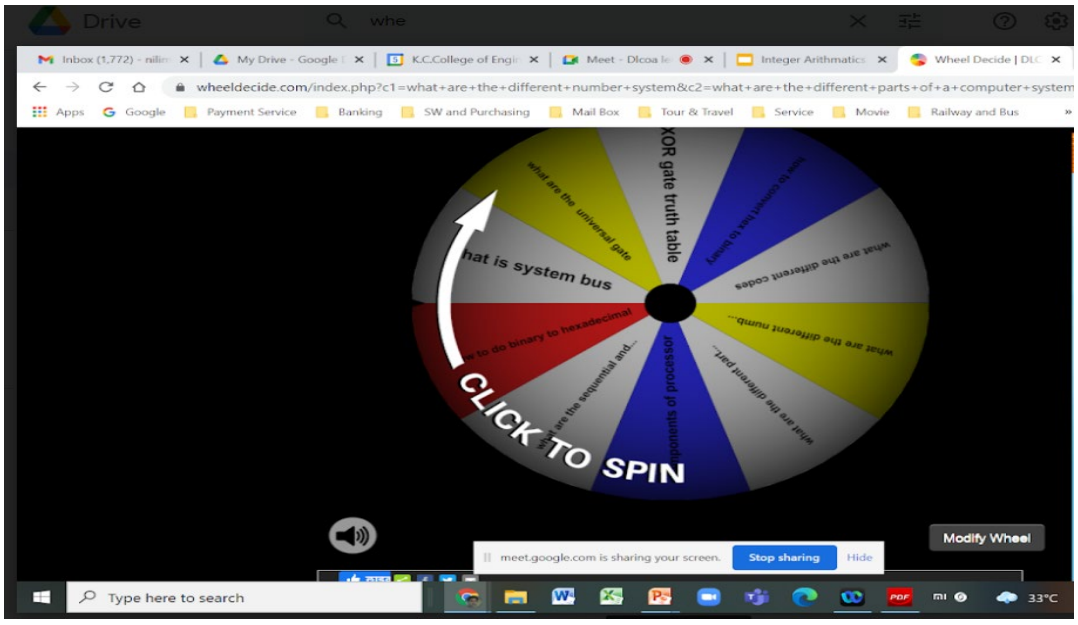
Class: SE A and B SEM III

Methodology Followed: Google meet, Google classroom

Difficulty faced: Students do not get the exact understanding of the topic through regular online or offline classroom teaching and sometimes they get bored. So to make it interesting through some topic quiz

New Method Identified: Online wheeldecide.com Quiz

Activity Report:
Wheel decide is a free online spinner tool that allows you to create your own digital quiz. It is an amazing tool to make random choices. Use our Wheel Decide wheel and make random picks from your choices.



Outcome: This activity helped to understand the concept better through quiz activity

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Department of Computer Engineering
A.Y. 2022-23 (EVEN SEM)

Name of Faculty: Mrs. Neha Kale
Subject: AOA

Class: SE A and B SEM IV

Methodology Followed: NPTEL SWAYAM websites , Google classroom

Difficulty faced: Sometimes students face difficulty in understanding topics of tough subjects and it becomes a challenge for them to get exact understanding of the topic through regular online or blackboard & chalk method of teaching. So for better understanding and to make the topics more graspable Swayam lectures were used and assignment was taken from that course.

New Method Identified: Quiz Assignment from available SWAYAM course

Activity Report:
SWAYAM courses are available for almost all subjects and the quality of its content is non-questionable. The videos available are 90% matching to the Mumbai University Syllabus and use better learning and teaching method of applying , analyzing, examples from real world etc. The questionnaire formed after each module deeply assesses the knowledge gain of the student. Hence the assignment was the quiz assignments of each module matching with the academic syllabus.
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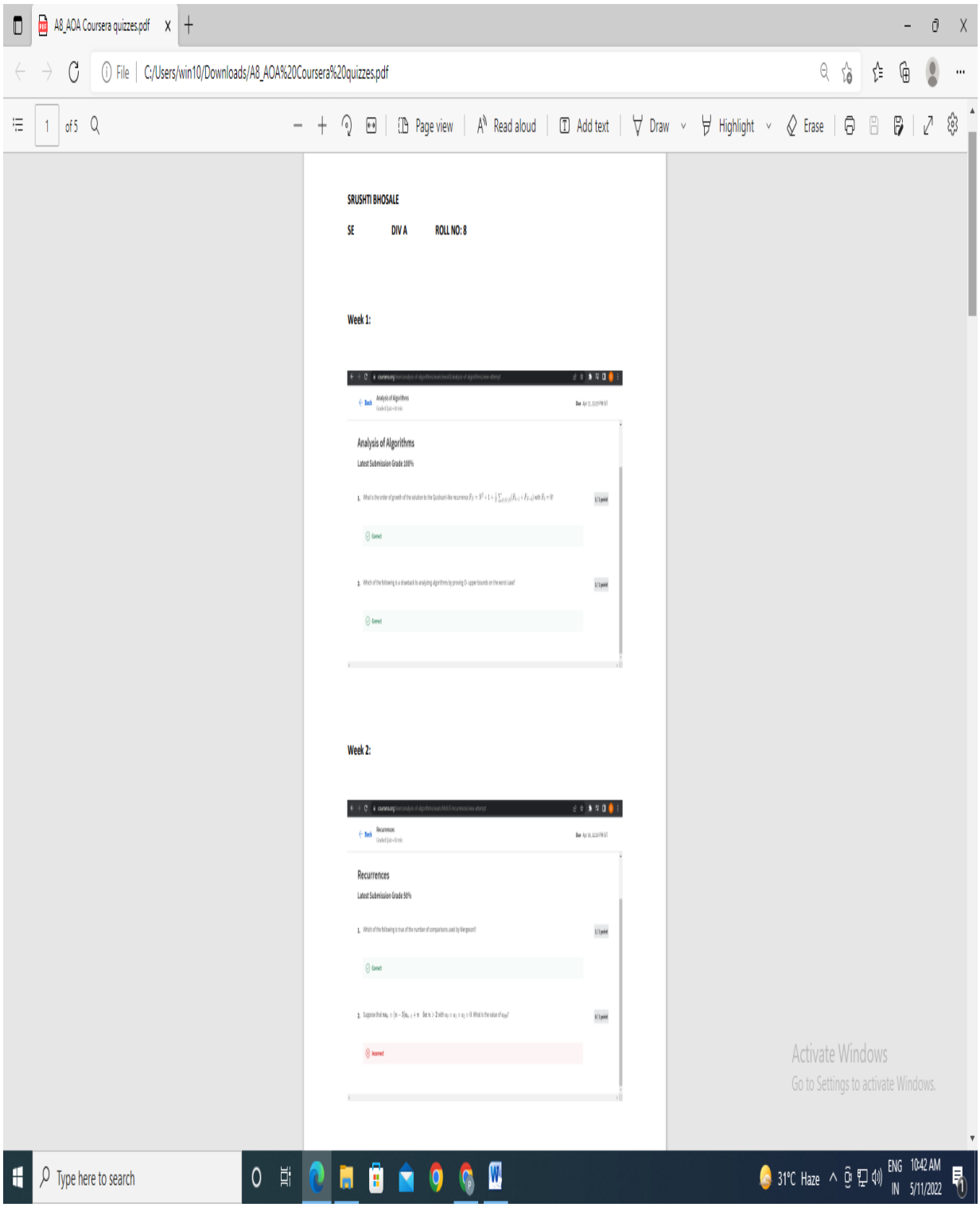
A8_AOA Coursera quizzes.pdf
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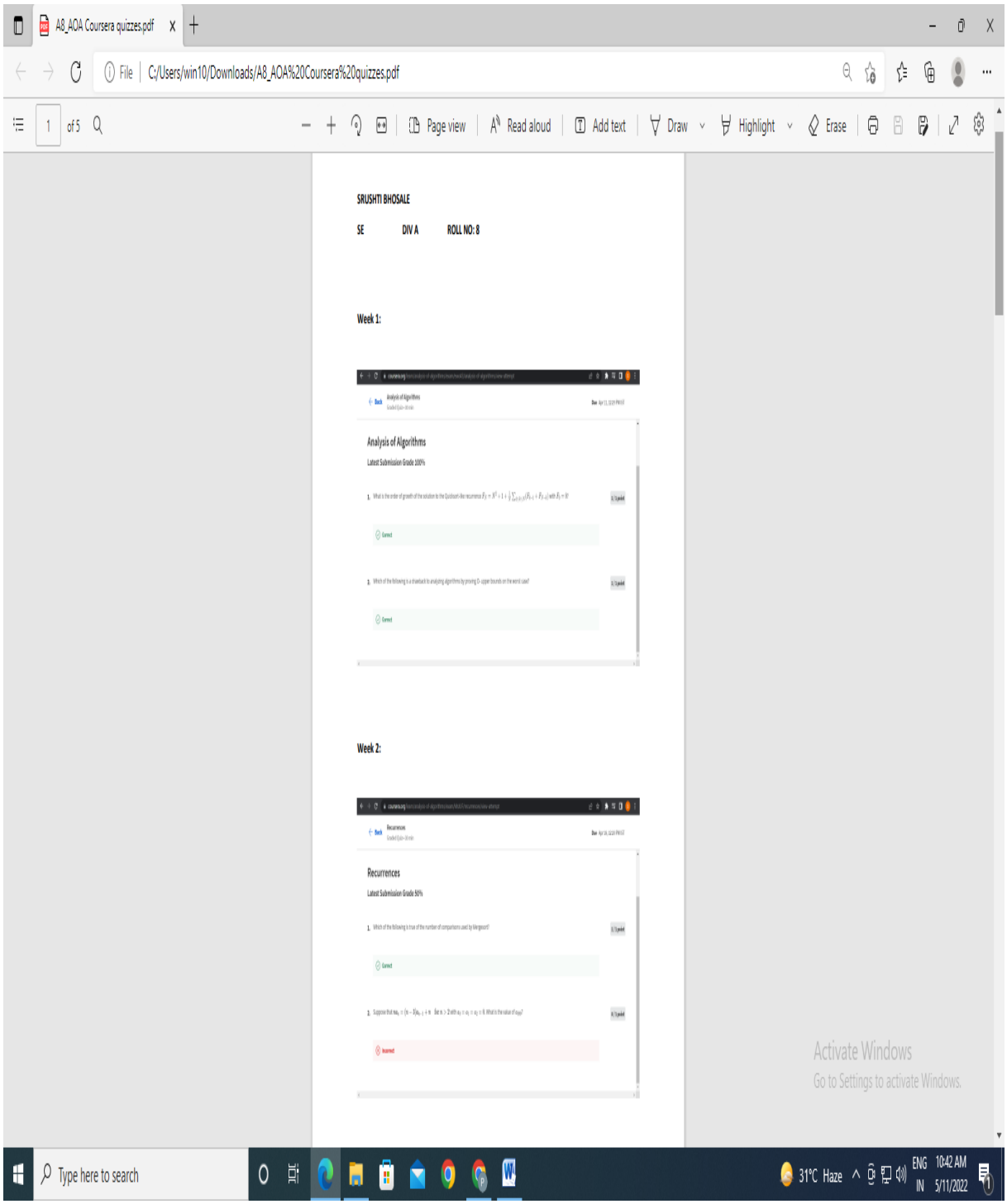
1 of 5
Page view
Read aloud
Add text
Draw
Highlight
Erase
SRUSHTI BHOSALE
SE DIV A ROLL NO: 8
Week 1:
Analysis of Algorithms
Latest Submission Grade 100%
Week 2:
Recurrences
Latest Submission Grade 50%
Activate Windows
Go to Settings to activate Windows.
Type here to search
31°C Haze
ENG IN
10:42 AM 5/11/2022



Students enrolled: 77
Outcome: This activity helped the students to gain better understanding of syllabus topics and also made them easier to retain.

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Department of Computer Engineering
2022-23(ODD Sem)

Name of Faculty: Dr. Mahesh Maurya

Sub: Natural Language Processing

Class: B.E.Computer Engineering SEM:VII

Methodology followed: Powerpoint Presentation, Google meet, Google classroom
Difficulty faced: Students find difficulty in skills like reasoning, problem-solving and developing solutions.
New method identified: Crossword puzzle
Activity report: Crossword puzzles are given to students based on WordNet. Students had a Formed group of 3 to 4 students
.

Figure 1: Crossword puzzle example. A few clues from the puzzle have been provided on the right, they are filled horizontally (Across) or vertically (Down) in the crossword grid. The clue number tells the player where in the grid the answer needs to be filled in. Some of these clue and their answers have further been highlighted with different colors which belong to different clue categories as described in Section 3.2, color-coded in accordance with Figure 2. Highlight colors denote distinct clue categories: red for word meaning clues, purple for fill-in-the blank clue, orange for synonym/antonym, blue for factoid question type, grey for abbreviation and brown for historical. Source: New York Times daily crossword which appeared on the July 7, 2009. Copyright of The New York Times, 2009.

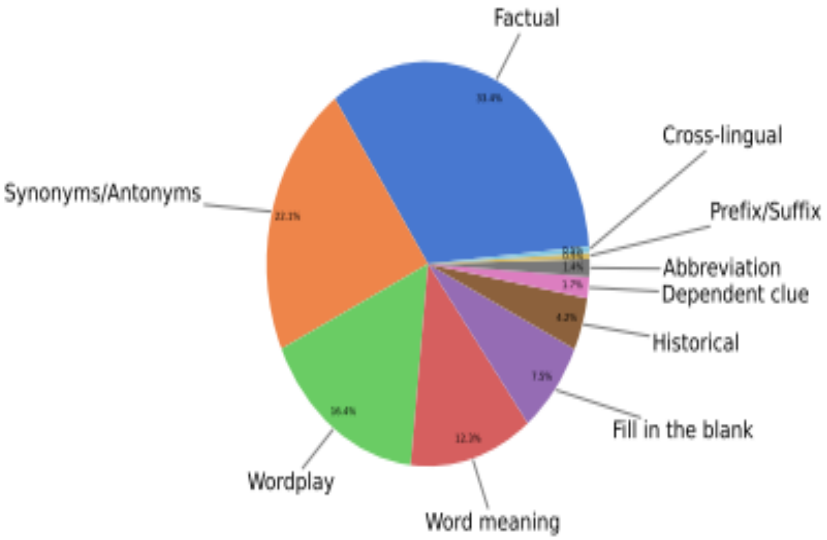

Figure 2: Class distribution of the 1000 manually annotated test examples.

Outcome: Students learned how to do collaborative study and problem solving

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Department of Computer Engineering
2022-23 (EVEN Sem)

Name of Faculty:Kishor Salvi

Sub: Microprocessor

Class: S.E.Computer Engineering SEM:IV

Methodology followed: Powerpoint Presentation, Google meet, Google classroom
Difficulty faced: Students find difficulty in skills like reasoning, problem-solving and developing solutions.
New method identified: Crossword puzzle

Activity report: Crossword puzzle is given to students based on Introduction to Microprocessor. Students had a Formed group of 3 to 4 students. submitted their answers in Google meet and Google Classroom.

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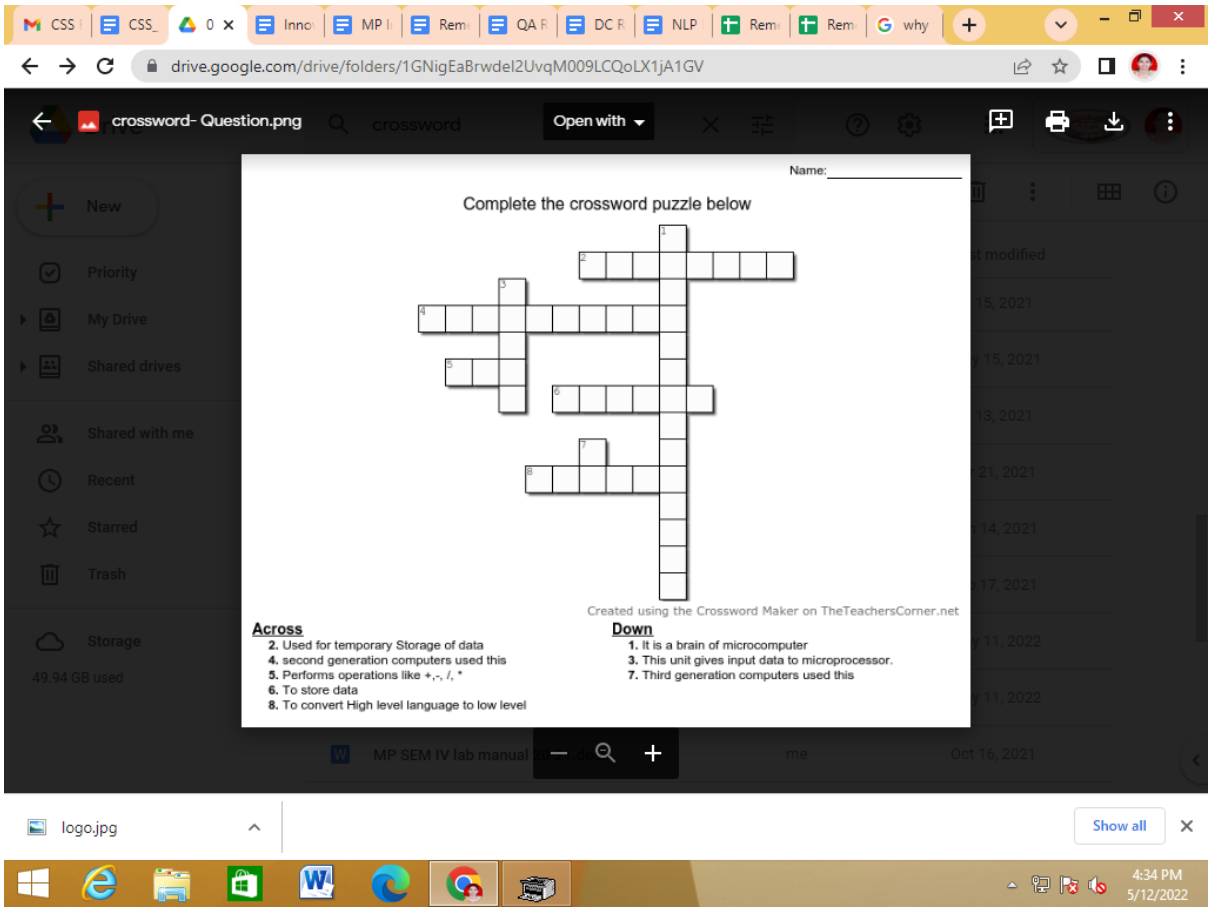

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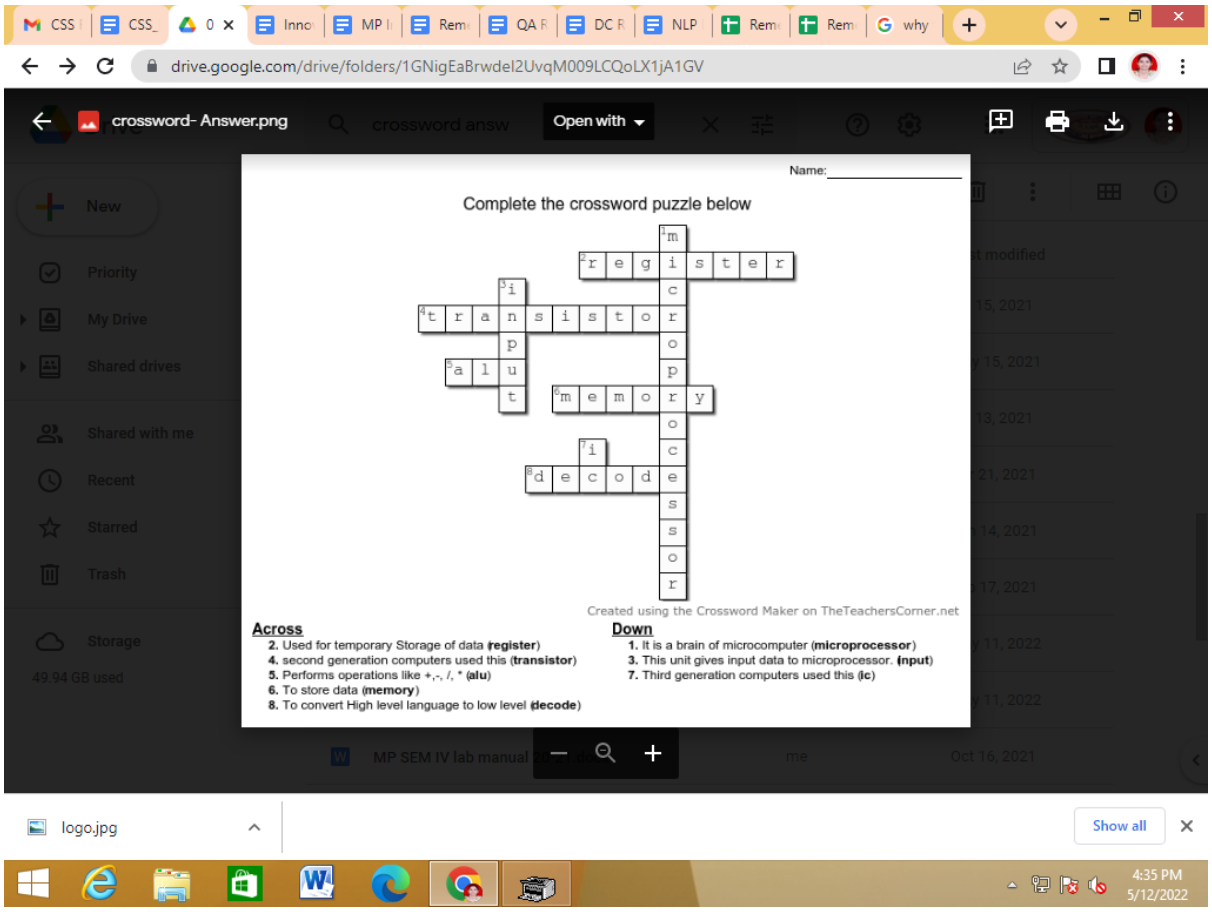

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Department of Computer Engineering

A.Y.2022-23 Odd Sem

Activity Report

Name of Faculty: Prof.Shraddha Shrivastav

Sub: Computer Network

Class: T.E. Computer Engineering

SEM: V

Methodology followed: Class Room Teaching, Written Assignments, Remedial lectures

Difficulty faced: Students do not get the exact understanding of the topic through regular classroom teachings and basic written subject assignments.

New method identified: Sliding Window Protocol Class

Requirements:

Empty Sweet box used as networking packet – 40

Drawing Sheet - 1

Empty silver packing box used as ACK and NAK Packet – 12

In order to explain Go-Back N and Selective Repeat ARQ Protocols networking model was created using above mentioned requirements.

As these two protocols are bit complicated for students to understand, networking model makes understanding easier.

Model created to explain the concepts

Various scenarios of protocols like success case, packet loss, acknowledgement loss, timer timeout, sliding window, receiver window was demonstrated using the model.

Sliding window model and its explanation

Outcome: This activity helped to understand the concept better than regular assignments.