



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara



Criterion 7 – Institutional Values and Best Practices

Key Indicator – 7.2 Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Sr.No.	Documentary Evidences / Sample Documents	Page No.
1	Sample documents for best practices successfully implemented by the Institution	1 – 57



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Academic Year: 2022-23 Semester-VI

Name of the Program: Electronics Engineering
Name of the Course: Microprocessors and Microcontrollers
Class: Third Year

Program Code: 627004
Course Code: BTEXE602

Innovative Learning

Fish Bowl Activity

Date:- 27/04/2023

Time:- 11.30 to 12.30 pm

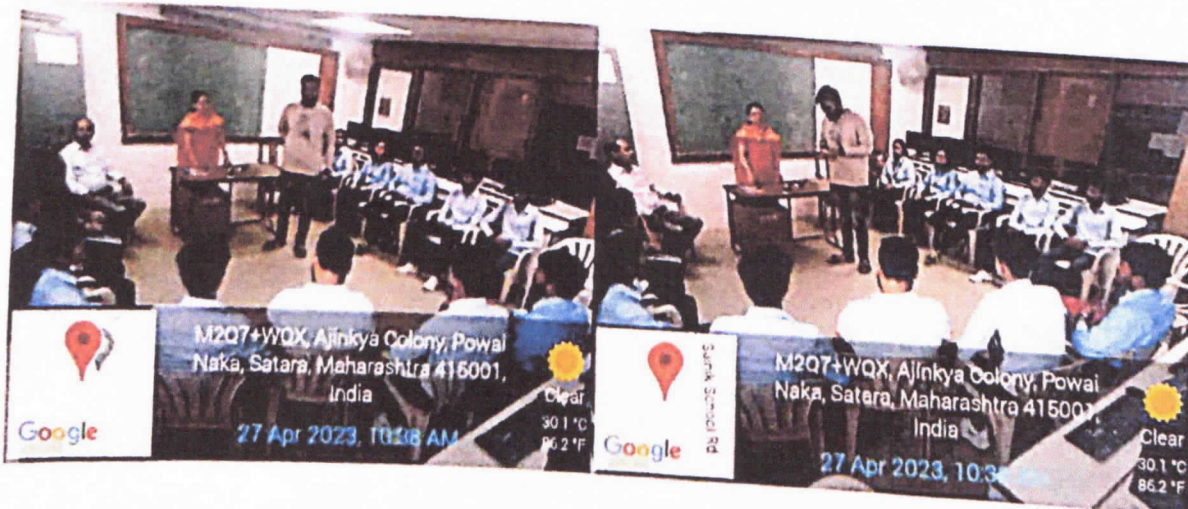
Number of students:- 15

Details:-

- Paper chits of different points were formed and students picked chit from bowl of chits and explained that point.

Points in chits:-

1. Microprocessor Addressing modes
2. Types of instructions
3. Stack in 8085
4. Peripheral interfacing
5. Control signals
6. Interrupts in 8085



Dr. Mane S. V.
Dr. Mane S. V.
Course Co-ordinator



Dr. Sulhas Patil
Dr. Sulhas Patil
HOD



Rayat Shikshan Sanstha's

Karmaveer Bhaurao Patil College of Engineering, Satara

Basic Sciences & Humanities Department

Year 2024-2025

Sem - I & II

Course: Engineering Physics

Course Coordinator: Ms. Pawar K. N.

Activity :- 1. Project Based Learning

2. Activity Based Learning

Objectives :- i. Improve students confidence, using their resources, and self-directed work.
ii. Improve students interest in subjects, learning satisfaction.

Outcomes :- i. Student will be able to learn critical thinking skills.
ii. Student will be able to improve learning and retention of information

In Sem - I students of F. Y. B. Tech. Electronics & Telecommunication Engineering prepared different crystal structure models.

In Sem - II students of F. Y. B. Tech. Computer Science & Engineering chose topic from syllabus of Engineering Physics & they prepared foam based Engineering Physics Lab Boards.





Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara

Basic Sciences & Humanities Department





Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara

Basic Sciences & Humanities Department

Year 2021-2023

Sem – I & II

Course: Engineering Physics

Course Coordinator: Dr. Shaikh S. K.

**Activity :- 1. Project Based Learning
2. Activity Based Learning**

Objectives :- i. Improve students confidence, using their resources, and self-directed work.
ii. Improve students interest in subjects, learning satisfaction.

Outcomes :- i. Student will be able to learn critical thinking skills.
ii. Student will be able to improve learning and retention of information

In Sem – I students of F. Y. B. Tech. Mechanical & Civil Engineering prepared different crystal structure models.

In Sem – II students of F. Y. B. Tech. Computer Science & Engineering chose topic from syllabus of Engineering Physics & they prepared foam based Engineering Physics Lab Boards.





Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara

Basic Sciences & Humanities Department



Course Coordinator
Dr. Shaikh S. K.



Classroom Assessment Techniques (CATs)

Faculty:-Mrs. Babar Yogita V.

Innovative Teaching Learning Activities

1. Crossword Puzzle-

Objective	to motivate learning by developing interactive crossword puzzles for students to solve.
Procedure	Construct the puzzle with words concerning major concepts from the course, lecture or topic. Clues can be written as statements, examples or fill-in-the blanks. Clues can include definitions and application of knowledge. Keep the crossword to no more than twenty clue-and-word pairs. Present the crossword as an in-class activity. Divide the class into groups of 3-5 students. Students work collaboratively to solve the clues. You can set a time limit to solving each clue or allow students to complete the entire crossword before re-grouping and comparing ideas.

Babar

Babar Y.V.





Classroom Assessment Techniques (CATs)

Faculty:-Mrs. Babar Yogita V.

Innovative Teaching Learning Activities

2. Concept Maps/Mind Maps-

Objective	to consider how their own ideas and concepts are related
Procedure	Before class, create your own concept map • Proceed to have your students draw their own maps, either individually or in groups. • Give them the directions and show a simple example of a concept map. • Determine the ways in which the various concepts are related to each other and write those types of relations on the lines connecting the concepts.

3. Course-Related Self-Confidence Survey-

Objective	Able to assess students' levels of confidence and their ability to learn the skills and content of course.
Procedure	Create a simple survey to gather the data. For example: How confident do you feel? You will be able to do the following by the end of this course? For each, indicate: Very confident, somewhat, not very, not at all confident ➤ Summarizing the data is a simple process of tallying responses to each question.

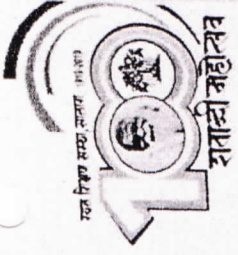
Babar

Babar Y.V.





The Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Basic Sciences & Humanities
Innovative Teaching Learning Activities
FY.B.TECH



Sr. No.	Name of Course/Subject	Name of Method	Name Of Faculty
1	Engineering Chemistry (BTBS202)	Mind Map	Prof.Babar Y.V.
		Crossword	
		One Minute Paper	
		Project Based Learning	
		Library Visit	

Babar

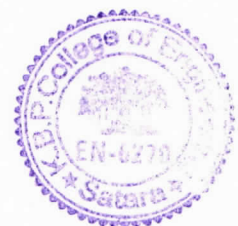
Babar Y.V.



Rayat Shikshan Sanstha's
Karmveer Bhaurao Patil College of Engineering, Satara
Mathematical Models & Paper Presentation
F.Y.B.Tech



Rayat Shikshan Sanstha's
Karmveer Bhaurao Patil College of Engineering, Satara
 Mathematical Models & Paper Presentation
 F.Y.B.Tech



Rayat Shikshan Sanstha's
Karmveer Bhaurao Patil College of Engineering, Satara
Mathematical Models & Paper Presentation
F.Y.B.Tech

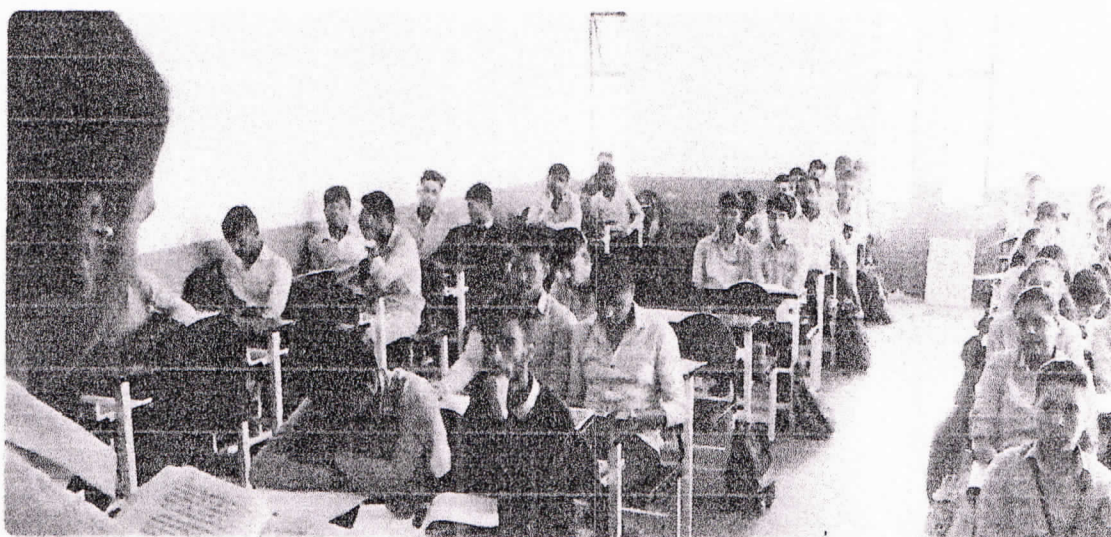
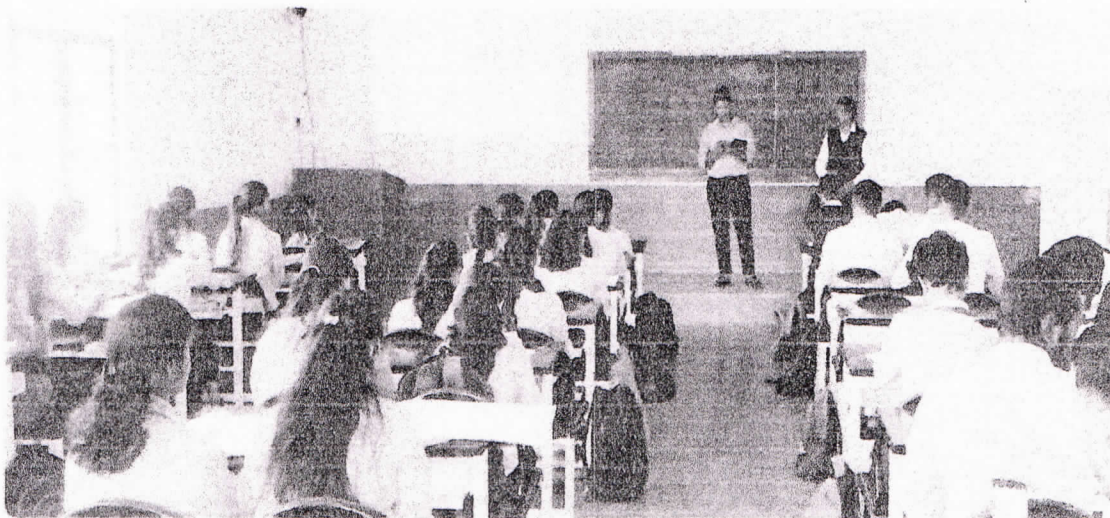


Communication Skill Lab:

- **At least 10 experiments should be performed from the following list**
- 1) How to introduce oneself?
- 2) Introduction to Phonemic symbols
- 3) Articulation of sounds in English with proper manner
- 4) Practice and exercises on articulation of sounds
- 5) Read Pronunciations/transcriptions from the dictionary
- 6) Practice and exercises on pronunciations of words
- 7) Introduction to stress and intonation
- 8) Rapid reading sessions
- 9) Know your friend
- 10) How to introduce yourself
- 11) Extempore
- 12) Group discussion
- 13) Participating in a debate
- 14) Presentation techniques
- 15) Interview techniques



Active Learning Strategies



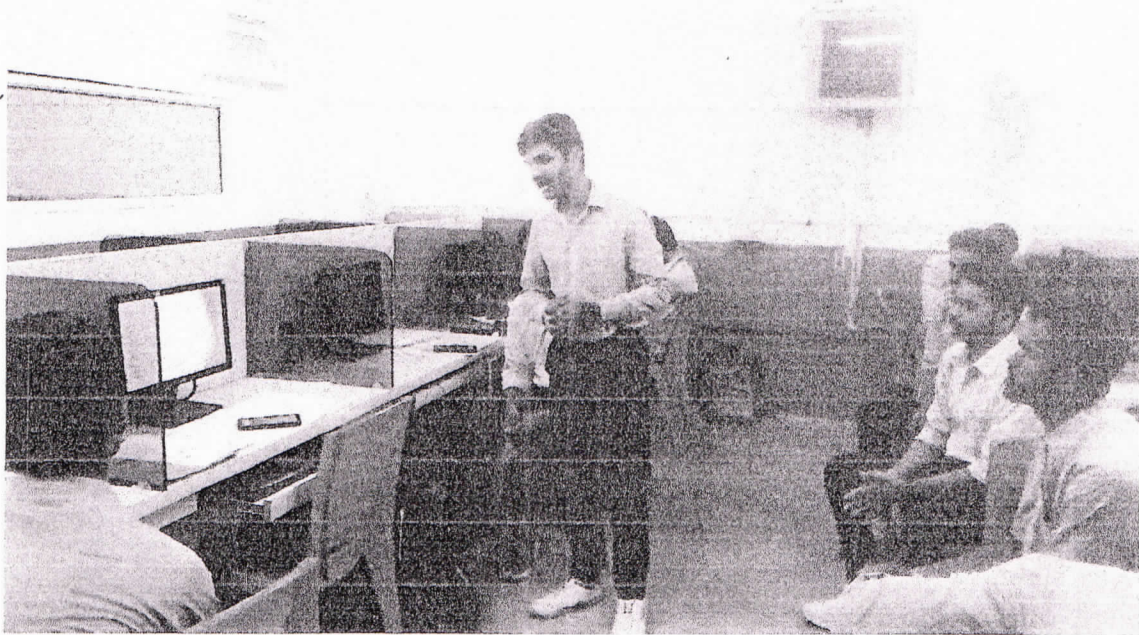
- **Reading Skill Activity**





Active Learning Strategies

- **Presentation Skills Activity**





Active Learning Strategies

• **Group Discussion Activity**

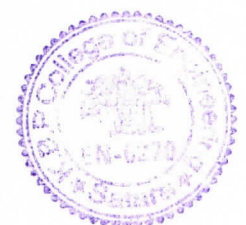




Active Learning Strategies

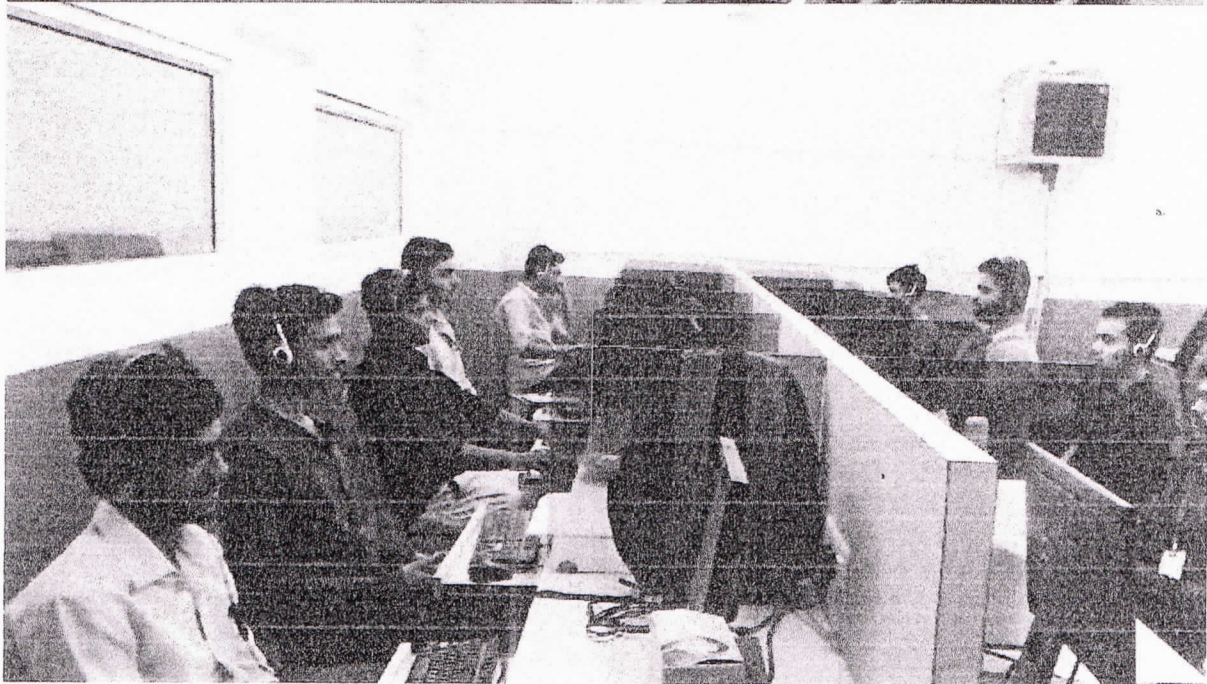
- **Listening Activity**

Language learning by using Language Learning Software





Active Learning Strategies





Communication Skills Laboratory

Active Learning Strategies





Rayat Shikshan Sanstha's

Yashavantrao Chavan Institute of Science, Satara

(Autonomous College)

Satara - 415001, Maharashtra (India)

Founder : Padmaabhaichand Dr. Karmaveer Satara Pathi D.Litt.

UGC-CPE Status, DBT-STAR, DST-FIST ISO-9001-2015 Certified

Lead College

Karmaveer Bhaurao Patil University, Satara.



CGPA-3.57



Uni No. UKF/565/U/5

Estd.: 1965

Principal :- **P. S. Jadhav**
M.Sc., M.Phil., Ph.D.

Ref. No. 462 /2023-24

Date : 31/05/2023

To,
Sunita Rajesh Ballal
Department of Basic Sciences & Humanities,
K.B.P. College of Engineering, Satara.

Dear Madam,

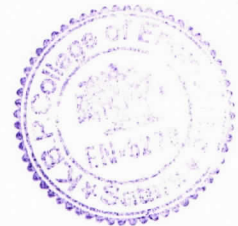
You are appointed as Internal Expert for the interview panel in **Mathematics** conducted by Rayat Shikshan Sanstha, Satara on 31/05/2023. You are requested to present at 9.00 AM in Yashavantrao Chavan Institute of Science, Satara.

Thanking You,

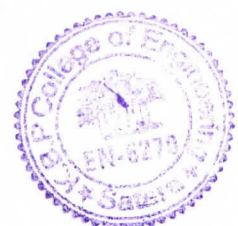
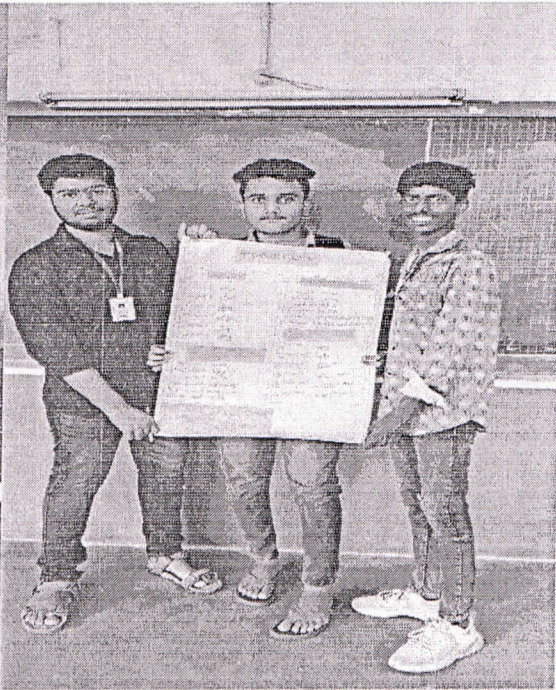


[Signature]
Dr.B.T. Jadhav
Director

Yashavantrao Chavan Institute of Science,
Satara.



Rayat Shikshan Sanstha's
Karmveer Bhaurao Patil College of Engineering, Satara
Mathematical Models & Paper Presentation
F.Y.B.Tech



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Karmveer Bhaurao Patil College of Engineering, Satara
Mathematical Models & Paper Presentation
F.Y.B.Tech





Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Department of Computer Science & Engineering

Academic Year 2022-2023

Class:- Final Year

Semester-VII

Name of the Course: Cloud Computing

Course Code: BTCOE703 (A)

Innovative Pedagogical Activities

Pedagogy refers to a student centered **teaching** and learning (SCL) approach where educators are reflective in their theory, practice and policy implementation in **teaching/learning**, resulting to positive impacts in the learners.

Having a well-thought-out **pedagogy** can improve the quality of your **teaching** and the way students learn, helping them gain a deeper grasp of fundamental material. Being mindful of the way we **teach** can help us better understand how to help students achieve deeper **learning**.

Keeping in mind the importance of pedagogical approach we designed a pedagogy activity for the students. Pedagogy activity was posted on whats app group & On Gnomio Moodle Site and sufficient time was given to the students to solve the activity.

Following are the day wise details of pedagogy activities conducted during the refresher program:

Pedagogy Activities Details:

Sr. No	Name of the Activity	Unit	WhatsApp/ Online/Gnomio	No of Students Successfully Completed
1.	Mind Map Activity	1,2 & 3	Offline/ Google Classroom	75
2.	Mind Map Activity	1 & 3	Offline/ Google Classroom	75
3.	Mind Map Activity	1 & 3	Offline/ Google Classroom	75
4.	Jigsaw Activity	3		
5.	Think Pair Share Activity	4		
6.	Case Study activity	All units	Offline/ Google Classroom	75

Innovative Tools: **Google Classroom** as a LMS Tools, NPTEL Videos Link , PPT's, Google Meet



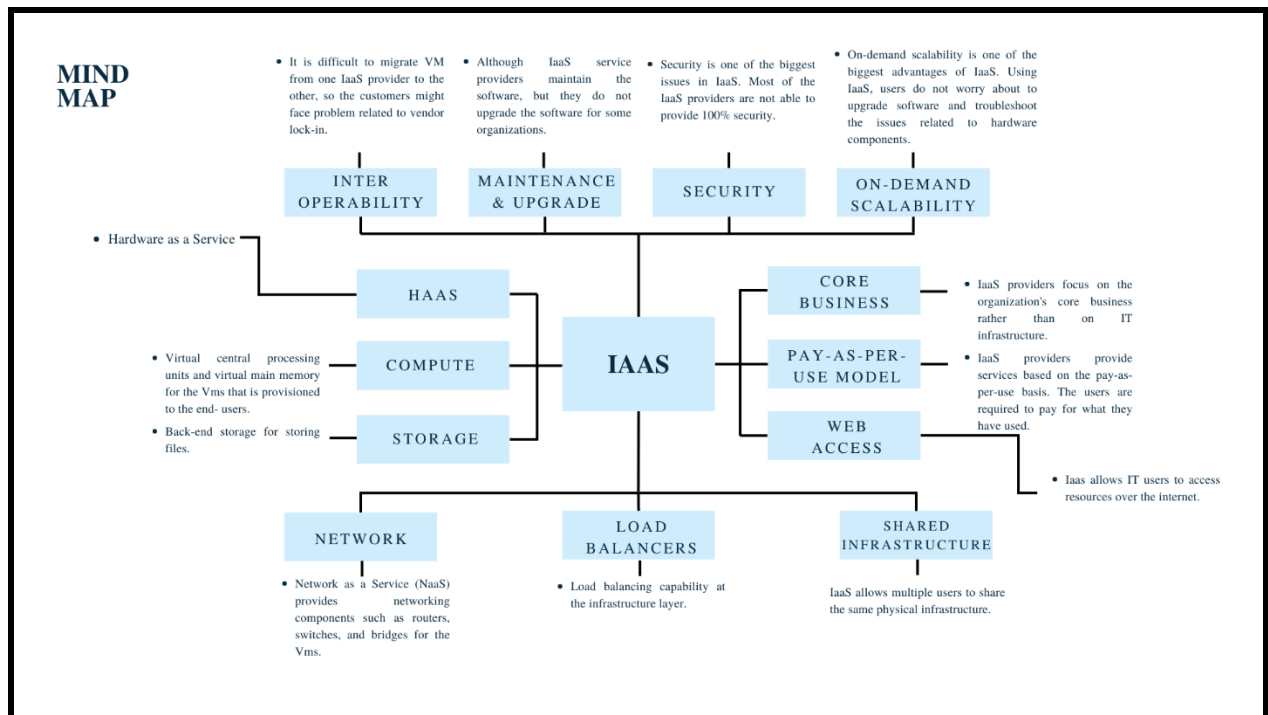
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Karmaveer Bhaurao Patil College of Engineering, Satara
Department of Computer Science & Engineering

Activity No: 01

Name of the Activity: Mind Map Activity

Mind Map Activity: A visual representation of information — is a versatile tool that can assist students with many aspects of their learning. It can help them map out new ideas, explore concepts in more detail and facilitate a better understanding of relationships and connections. It is an creative activity where the technical concepts can be explained and demonstrated in simplified fashion. A map or drawing or visual image is used to imagine the conceptual scenario of any topic with the scenario faced in the real world. Number of analogies can be used to create a mind map of any technical concept.

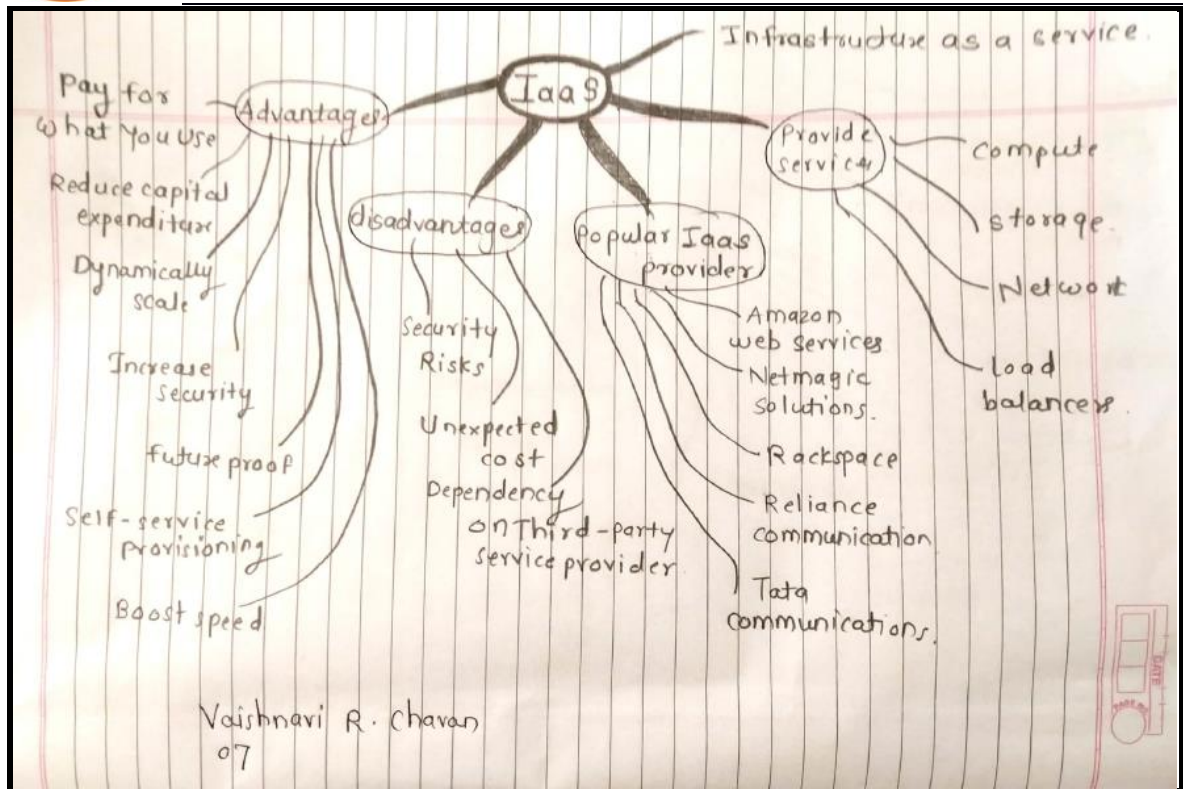
Screenshots of Mind Map Activity:



Name of Student: Vaishnavi Gosavi Roll No: 18



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Department of Computer Science & Engineering



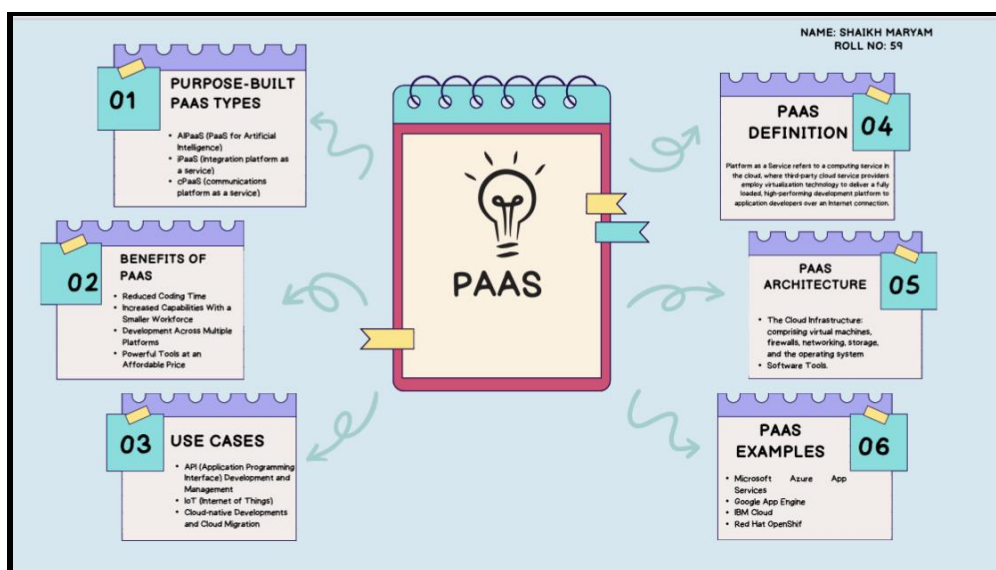
Name of Student: Vaishnavi Chavan Roll No: 07

Activity No: 02

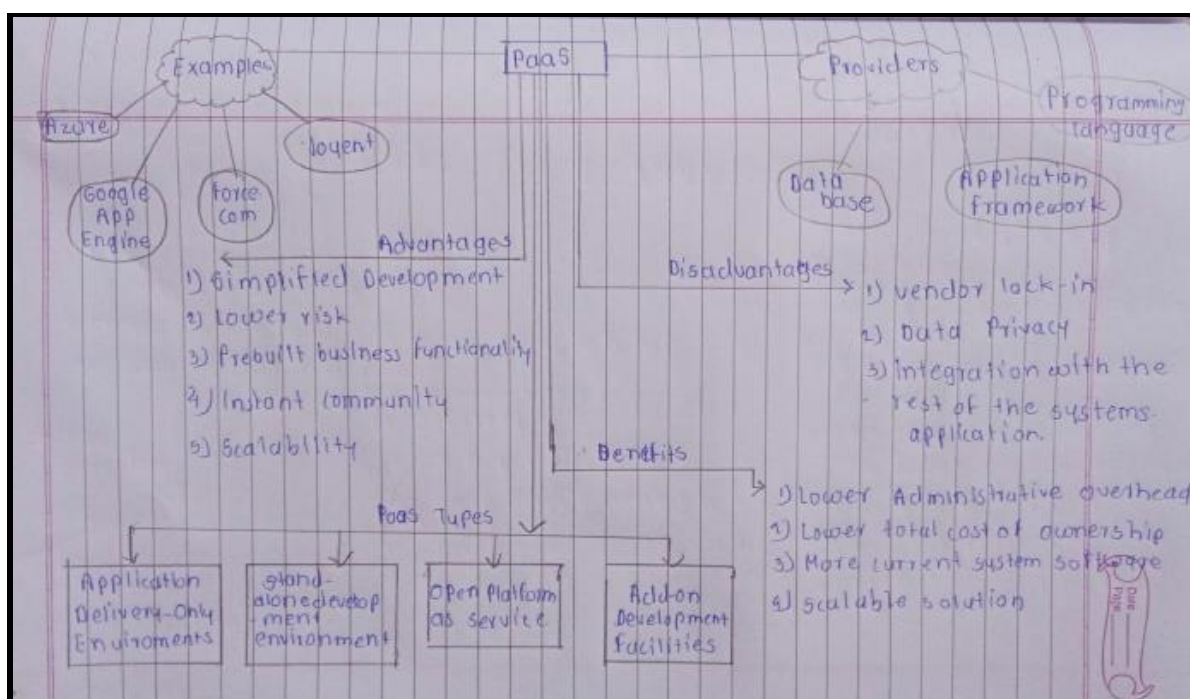
Name of the Activity: Mind Map Activity

Mind Map Activity: A visual representation of information — is a versatile tool that can assist students with many aspects of their learning. It can help them map out new ideas, explore concepts in more detail and facilitate a better understanding of relationships and connections. It is an creative activity where the technical concepts can be explained and demonstrated in simplified fashion. A map or drawing or visual image is used to imagine the conceptual scenario of any topic with the scenario faced in the real world. Number of analogies can be used to create a mind map of any technical concept.

Screenshots of Mind Map Activity:



Name of Student: Maryam Shaikh Jadhav Roll No: 59



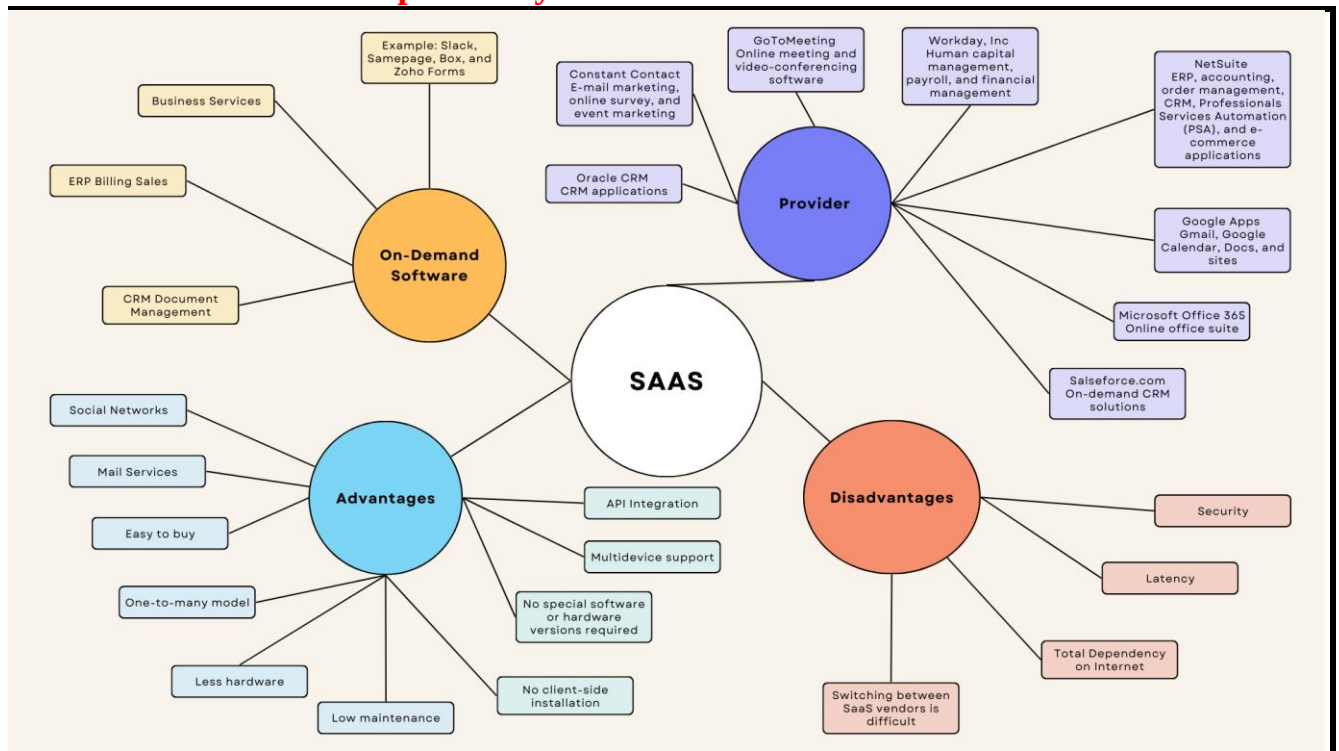
Name of Student: Madhura Jadhav Roll No: 24

Activity No: 03

Name of the Activity: Mind Map Activity

Mind Map Activity: A visual representation of information — is a versatile tool that can assist students with many aspects of their learning. It can help them map out new ideas, explore concepts in more detail and facilitate a better understanding of relationships and connections. It is an creative activity where the technical concepts can be explained and demonstrated in simplified fashion. A map or drawing or visual image is used to imagine the conceptual scenario of any topic with the scenario faced in the real world. Number of analogies can be used to create a mind map of any technical concept.

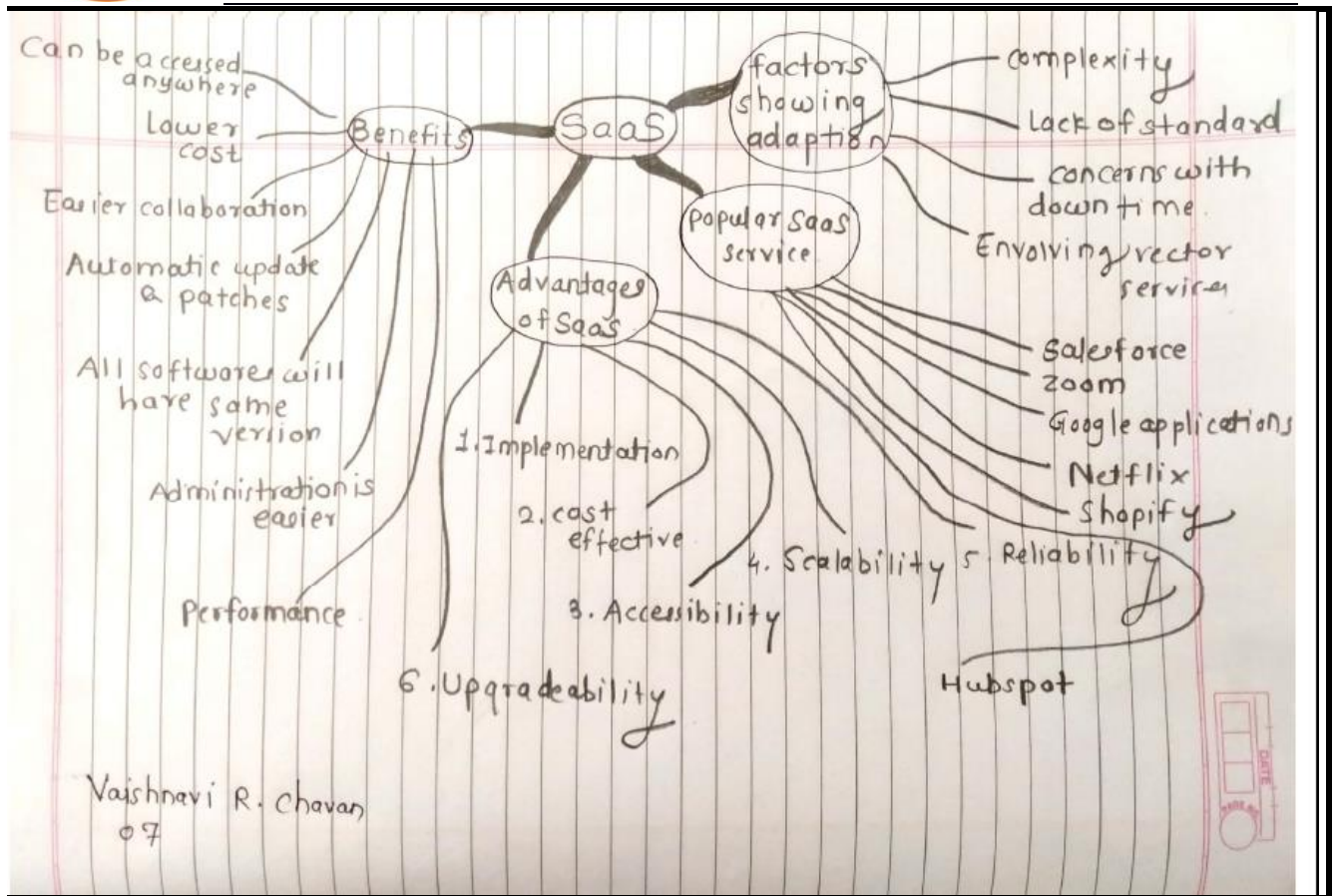
Screenshots of Mind Map Activity :



Name of Student: Vaishnavi Gosavi Roll No: 18



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Karmaveer Bhaurao Patil College of Engineering, Satara
Department of Computer Science & Engineering



Name of Student: Vaishnavi Chavan Roll No: 07

Activity No: 04

Name of the Activity: Jigsaw Activity on Unit-III

Jigsaw Activity: . The jigsaw technique is a method of organizing classroom activity that makes students dependent on each other to succeed. The technique splits classes into mixed groups to work on small problems that the group collates into a final outcome. For example, an in-class assignment is divided into topics. Students are then split into groups with one member assigned to each topic. Working individually, each student learns about their topic and presents it to their group. Next, students gather into groups divided by topic. Each member presents again to the topic group. In same-topic groups, students reconcile points of view and synthesize information. They create a final report. Finally, the original groups reconvene and listen to presentations from each member. The final presentations provide all group members with an understanding of their own material, as well as the findings that have emerged from topic-specific group discussion.

The jigsaw technique is a cooperative learning method that brings about both individual accountability and achievement of the team goals. The process derives its name from the jigsaw puzzle because it involves putting the parts of the assignment together to form a whole picture. The assignment is divided into parts and the class is also divided into the same number of groups as that of the assignment. Each of these groups is given a different topic and allowed to learn about it. These groups are shuffled to form new groups consisting of members from each group.

Screenshots of Think Pair Share Activity :

Group No: 01





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Department of Computer Science & Engineering

Group No: 02



Group No: 03





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Department of Computer Science & Engineering

Group No: 04



Group No: 05





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Department of Computer Science & Engineering

Group No: 06



Group No: 07





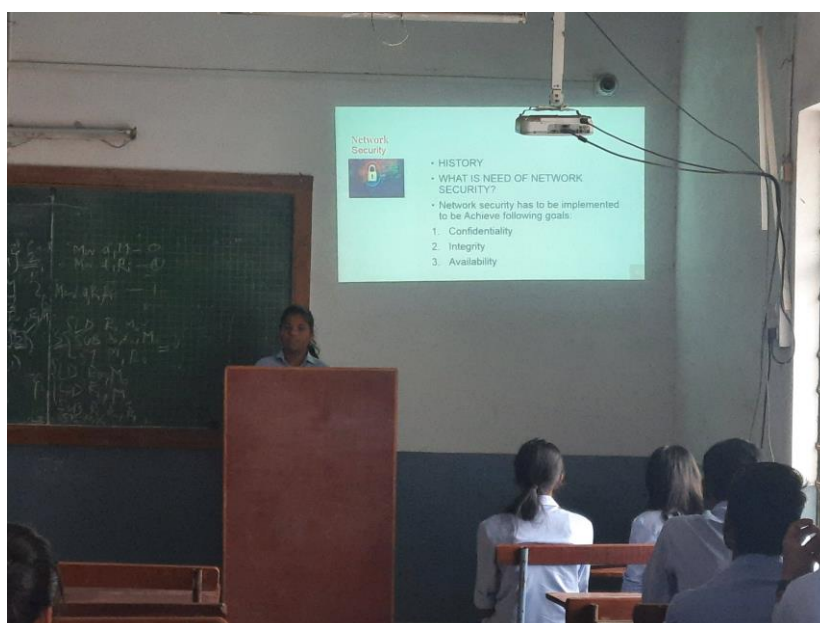
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Department of Computer Science & Engineering

Activity No: 05

Name of the Activity: **Think Pair Share Activity**

Mind Map Activity: Think-Pair-Share (TPS) is a cooperative learning activity that can work in varied size classrooms and in any subject. Instructors pose a question, students first THINK to themselves prior to being instructed to discuss their response with a person sitting near them (PAIR). How well do your students communicate in class? If they tend to be shy participants, there's a learning tool you can use to help them think independently, pair up and discuss with a classmate or in small groups, and share their knowledge with the class. Think-pair-share (TPS) is a collaborative learning strategy where students work together to solve a problem or answer a question about an assigned reading. This strategy requires students to (1) think individually about a topic or answer to a question; and (2) share ideas with classmates. Discussing with a partner maximizes participation, focuses attention and engages students in comprehending the reading material.

Screenshots of Think Pair Share Activity:





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Karmaveer Bhaurao Patil College of Engineering, Satara
Department of Computer Science & Engineering

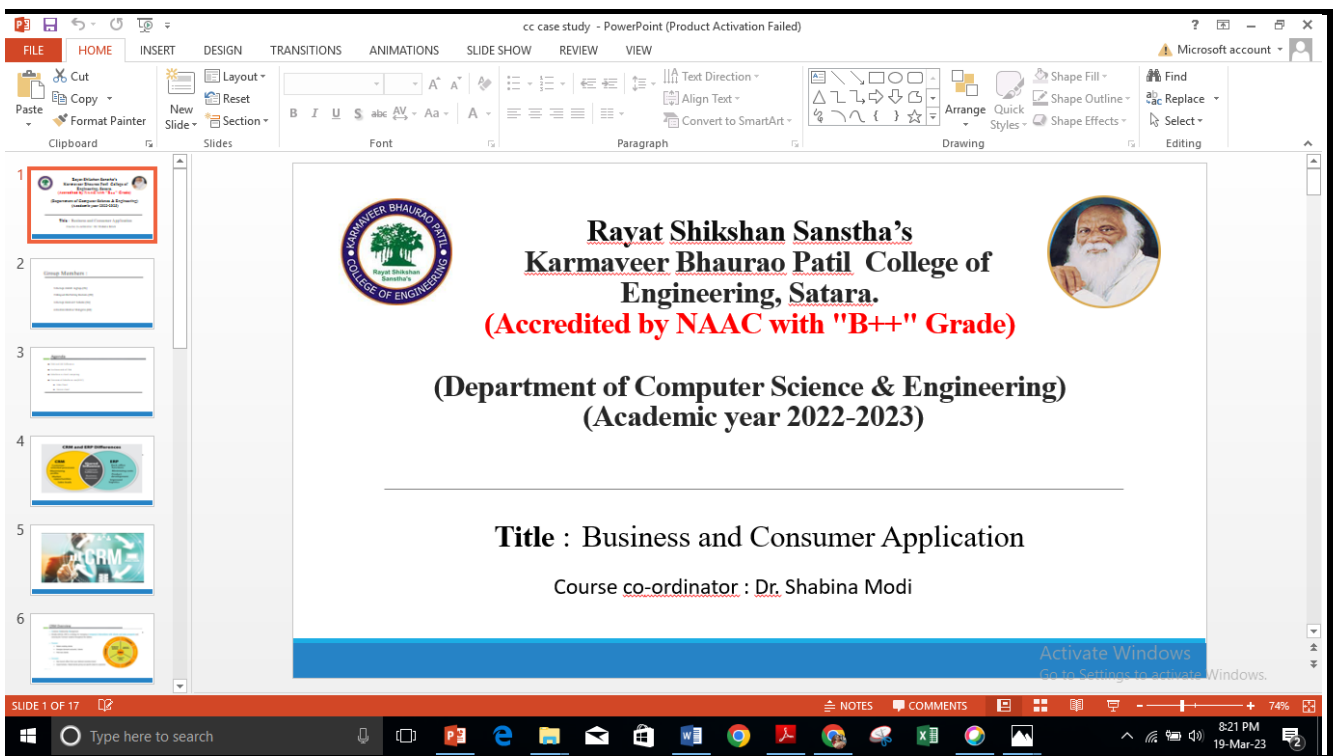
Activity No: 06

Name of the Activity: Case Study

It is one of the active learning technique, A case study is an active learning activity in which students read a pre-defined data set, scenario or application.

The case(s) could be a real-life case or simulation. It could be description of key concept(s) applied, a story or scenario, an actual case study, a problem or mystery, a performance, a visual, or an example.

Sample Responses of Case Study Activity



Group Members :

1. Rutuja Girish Jagtap.(26)
3. Rutuja Hemant Sabale.(56)

2. Mayuri Dattatray Kadam.(28)
4. Rashmi Kishor Shingate.(68)



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Department of Computer Science & Engineering



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil
College of Engineering, Satara



Case Study
Of
Media And Application
Guided by
Prof.Dr. Shabina Sayyed
Subject Name: Cloud Computing

Name	Roll no
Nalawade Rutuja	45
Jadhav Aishwarya	21
Shinde Sneha	65
Yadav Sayali	74



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College
of Engineering, Satara.

Project Based Learning

Program with code: Cloud Computing
Class: BTech CSE
Semester: 7th
Academic Year: 2022-23
Course with code: Computer Science and Engineering.
Group Members:

Roll No	Name
CSE/TY/2021/46	Nalawade Shreya Dhananjay
CSE/TY/2021/17	Gore Shreya Vasant
CSE/TY/2021/22	Jadhav Amruta Sandeep
CSE/TY/2021/02	Babar Apeksha Navnath

Faculty Name and Designation:

Dr. Shabina Modi
Dean Administration of KBPCOE5

Case Study On (1):
**Case Study On Software As A
Service (Saas) Based Emergency
Healthcare In India**

Introduction :

A report from a health care accreditation group says that miscommunication between patients and health care providers are the root cause for the lacuna in providing urgent medical attention to the people in need. In our country, human life can be affected by heart attack, kidney failure, road accidents and etc. Providing latest solution is needed. Cloud computing, with its on-demand availability, internet-based services, and high-data availability, has transformed the entire healthcare domain and converted it into HealthTech

CASE 1
Heart disease is the single largest cause of death in the country with heart attacks being responsible for one third of all deaths caused by heart diseases. The actual diagnosis of a heart attack must be made by a doctor after referring to the patient's symptoms.

- The doctor must:
- Review the Patients complete medical history.
- Give a Physical examination
- Use an electrocardiogram (ECG) to discover any abnormalities

CASE 2
We believe precious lives can be saved in road accidents, if police and community volunteers provide urgent care to victims while rushing them to hospital. Most of the ambulance attendees may not know about the injured patient history.



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Department of Computer Science & Engineering

Case Study Activity Report

Vaishnavi Gosavi 9/10

Search the menus (Alt+/)

1. Introduction
2. Objectives
3. The Challenge
4. The Solution

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara.
(Accredited by NAAC with "B++" Grade)
Department of Computer Science & Engineering
Academic year 2022-23

GEOSCIENCE
A Case Study on NASA

Under the Course: B.Tech - Semester - VII
By
Vaishnavi Gosavi, Sejal Parmar, Sayali Shedge & Shalika Kharade
Under the Guidance
Dr. Shabina Modi

Click to add speaker notes

Files
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See history
Geo Science
GEOSCIENCE: Report of A...

Grade
9/10

Private comments
Add private comment...

Case Study media....pdf cc case study .pptx cloud case study r....pdf SaaS mind map.pdf SAAS MIND MAP.png

Case Study Activity Report

Rutuja Kadam 9/10

ERP-ppt-2.pptx

Open with Google Slides

Cloud Computing in Business and Consumer Application

Group Members: Ketan Doshi
Aditya Jadhav
Nikita Mane
Rutuja Kadam
Vaishnavi Chavan

Page 1 / 12

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Cloud Computing Case st...

Grade
9/10

Private comments
Add private comment...

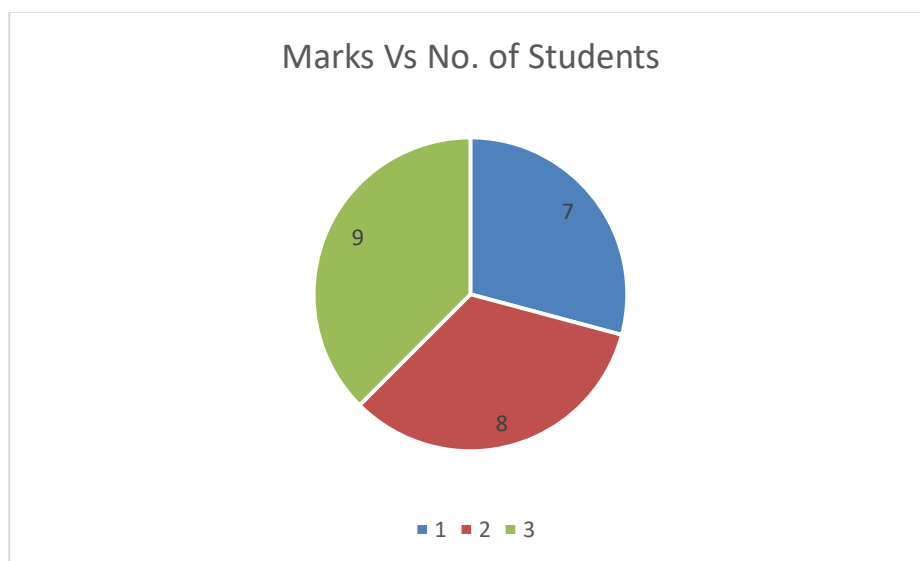
Case Study media....pdf cc case study .pptx cloud case study r....pdf SaaS mind map.pdf SAAS MIND MAP.png



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Department of Computer Science & Engineering

Students Responses:

Marks	No of Students
7	12
8	35
9	29
Total Student	76



Dr. Shabina Modi
Course Coordinator



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Department of Computer Science & Engineering

Academic Year 2022-2023

Class:- Third Year

Semester-VI

Name of the Course: Computer Networks

Course Code: BTCOC602

Innovative Pedagogical Activities

Course: Computer Networks

Course Code: BTCOC602

Pedagogy refers to a student centered **teaching** and learning (SCL) approach where educators are reflective in their theory, practice and policy implementation in **teaching/learning**, resulting to positive impacts in the learners.

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Keeping in mind the importance of pedagogical approach we designed a pedagogy activity for the students. Pedagogy activity was posted on whatsapp group & On Gnomio Moodle Site and sufficient time was given to the students to solve the activity.

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Pedagogy Activities Details:

Sr. No	Name of the Activity	Unit	WhatsApp/ Online/Gnomio	No of Students Successfully Completed
1	Mind Map Activity	1	Google Classroom /offline	74
2.	Crossword	1	Google Classroom /offline	74
3.	WhatsApp Emoji Activity	1	Google Classroom /offline	74
4.	Case Study	II	Google Classroom /offline	74
5.	Think Pair Share Activity	II	Google Classroom /offline	74
6.	Poster Presentation activity	II,III	Google Classroom /offline	74
7.	Flipped Classroom	IV	Google Classroom /offline	74

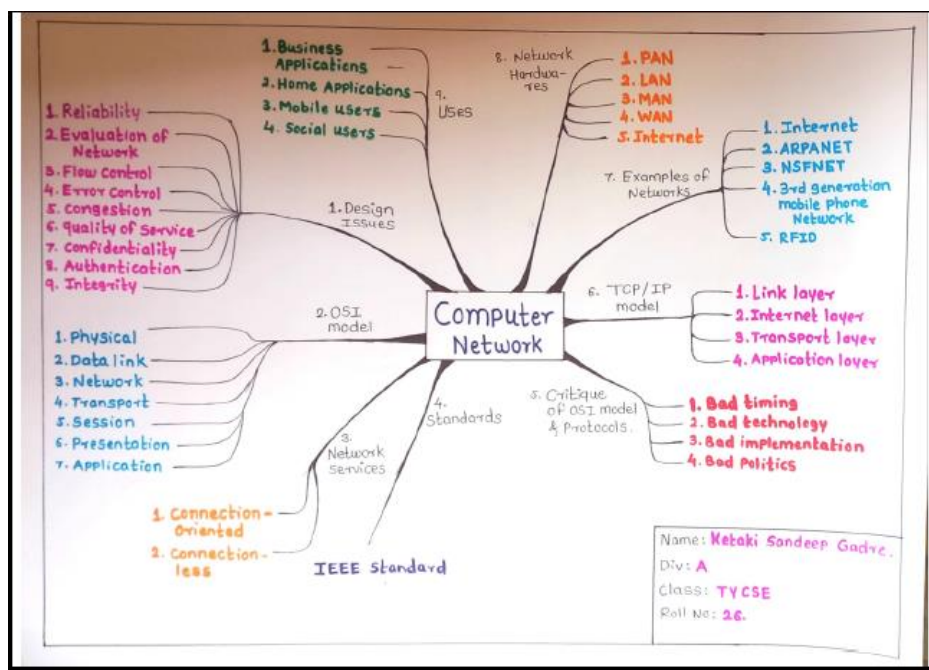
Innovative Tools: Google Classroom as a LMS Tools, Google Form, animated Videos & PPT's

Activity No: 01

Name of the Activity: Min Map Activities (Unit-I)

Mind mapping — a visual representation of information — is a versatile tool that can assist students with many aspects of their learning. It can help them map out new ideas, explore concepts in more detail and facilitate a better understanding of relationships and connections. It is an creative activity where the technical concepts can be explained and demonstrated in simplified fashion. A map or drawing or visual image is used to imagine the conceptual scenario of any topic with the scenario faced in the real world. Number of analogies can be used to create a mind map of any technical concept.

Sample document were given on Gnomio Moodle for reference purpose.



Sample Document shared with the students .

Activity No: 02

Name of the Activity: Crossword Activity (Unit-I)

Crossword Activity: A puzzle in which words that are the answers to clues are written into a pattern of numbered squares that go across and down. In this activity you have to refer the description and fill up the appropriate words in the Puzzle .

This activity was shared with students on WhatsApp group also instructed them to upload this on Google Classroom

Notification about this activities along with the rules and regulations for solving this activity was shared with students on whatsApp group of third year students.

Students Sheet: This is the students sheet the students can draw this image on plain paper and they can submit it on Google Classroom.

Name: _____ Date: _____ Period: _____

Networking Crossword

Across

1. What are any devices that connect network environments?
4. What indicates your computer's virtual location in a network?
6. What is the data rate supported by a network connection?
10. What physically connects computers to one another in a network?
14. What sends out a message to all devices on the same network segment?
15. What is SMTP's (Simple Mail transfer Protocol) most common form?

Down

2. What sends signals over different frequencies at once?
3. What kind of network cable is most commonly used?
5. What is a special electronic circuit inside any computer attached to a network?
7. What is used to centralize data and share it or save it in a network?
8. What is a device that can connect multiple network segments?
9. What is the part of a company's network that allows access to employees?
11. What are two or more computers connected by a wireless radio connection so that they can exchange information a part of?
12. What is another name for 1 byte?

17. What are devices that change digital data into analog for transmission over analog network medium and then back to digital at the receiving end?

18. What is the part of a company's network that allows access to nonemployees?

19. What are a group of computers in a small geographic area a part of?

20. What is a computer that is not a server and is used by individuals?

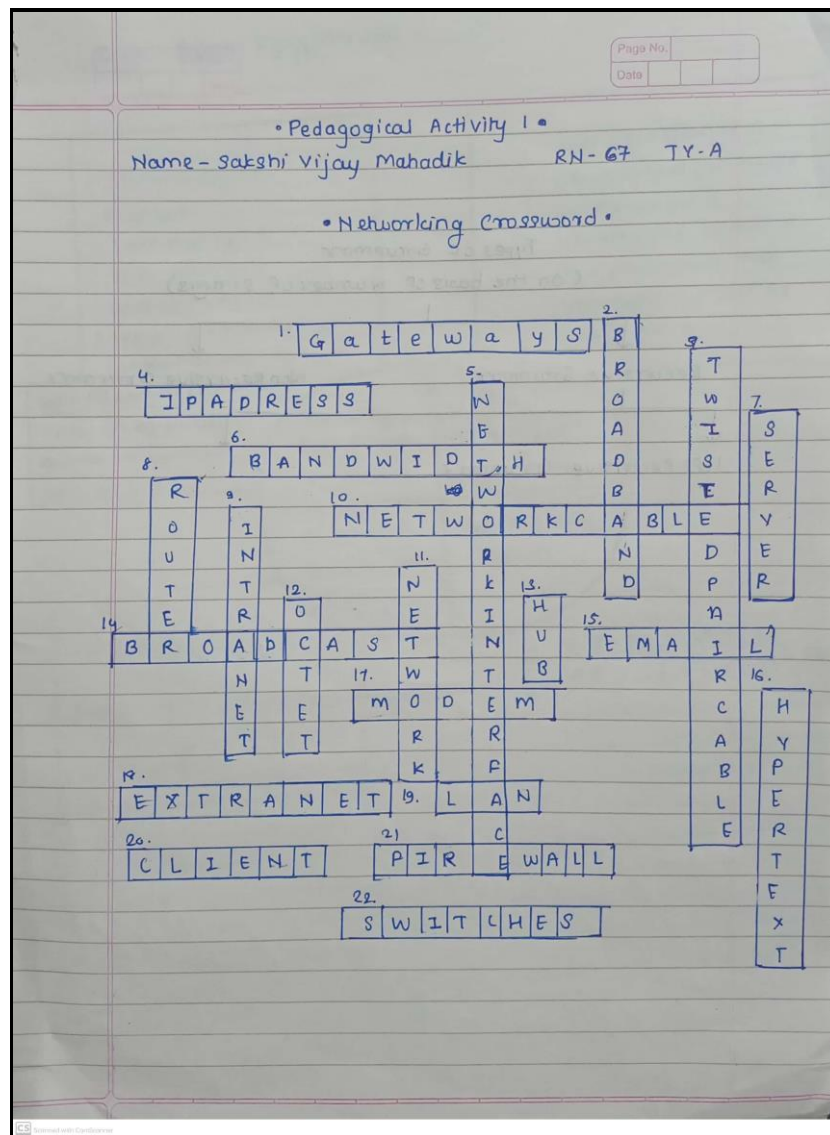
21. What acts as a security guard between the internet and a network?

22. What is used to connect multiple devices on the same network within a building or campus?

13. What is the most basic networking device that connects multiple computers or network devices together?

16. What does HTTP stand for

Answer Sheets



Computer network

Name: Atharva Algude

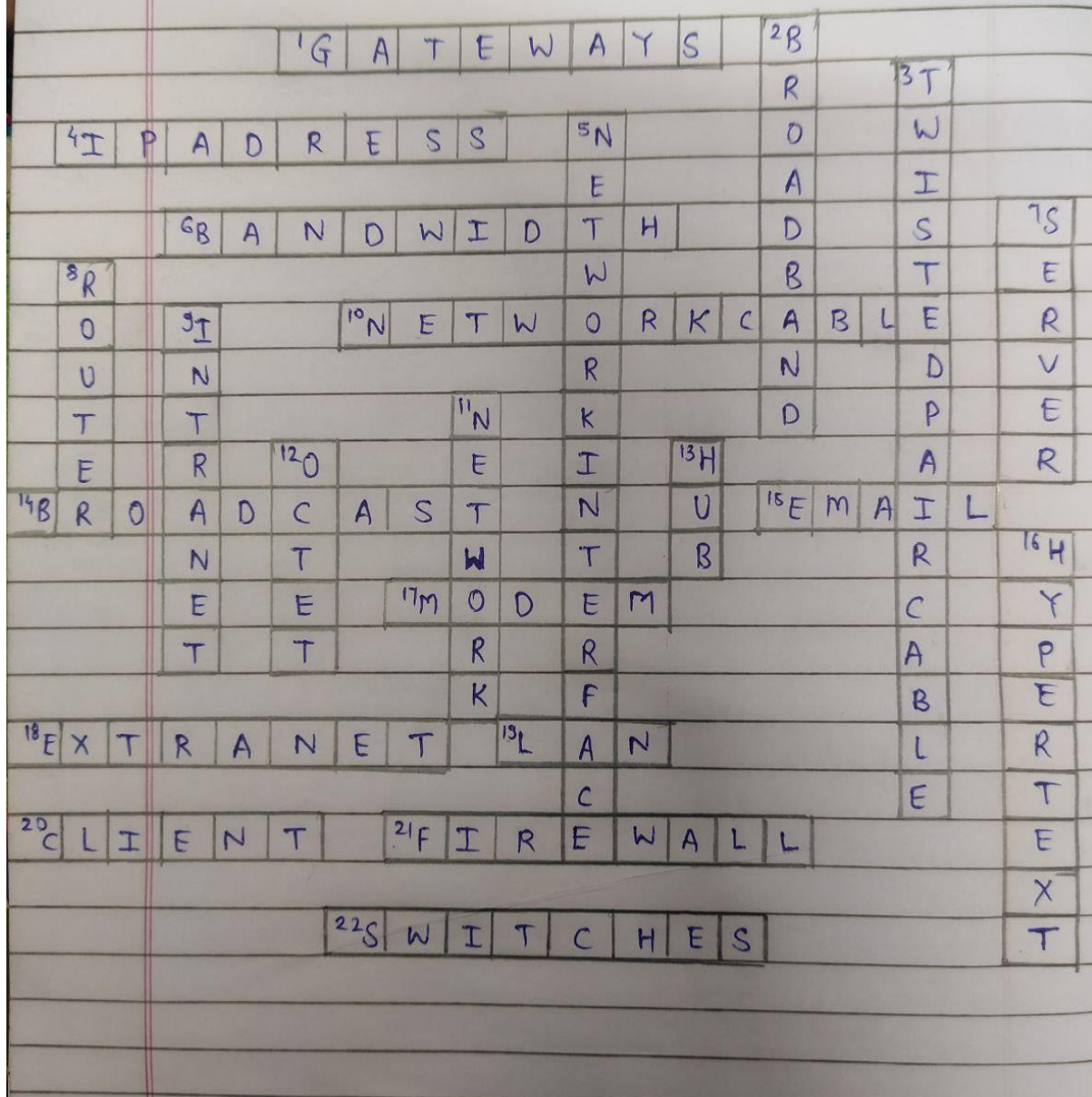
Roll No-01

Page No.

Class-TT

(CSE) A

Networking Crossword



Sample Response of Crossword activity on Unit-I

Activity No: 03

Name of the Activity: WhatsApp Emoji Activity.

The students has to identify the terms by the first letter of Emoji and complete the words.

Notification of WhatsApp Emoji Activity along with the rules for solving this puzzle activity.

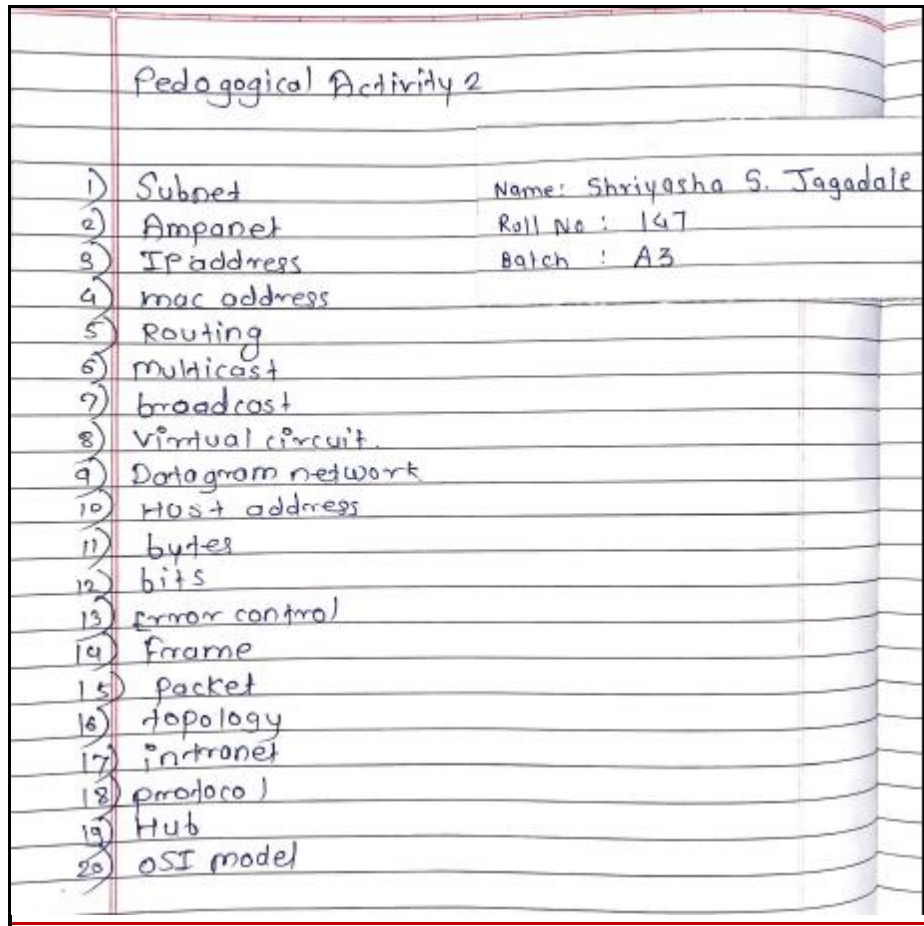
Dear all

Here is the quiz on Computer Network fundamentals, unit-I and Unit-II Topic you should identify the terms by the first letter of Emoji and complete the words

1. 🌞 🌈 🏀 📢 👁️ ☕
2. 🍎 🐭 🌳 🍎 📢 👁️ ☕
3. 🍦 🌳 🍎 🍷 🍷 🐰 👁️ 🌞 🌞
4. 🍌 🍎 🥕 🍎 🍷 🍷 🐰 👁️ 🌞 🌞
5. 🐰 🍌 🌈 ☕ 🍦 🍷 🍇
6. 🍌 🌈 🍷 ☕ 🍦 🥕 🍎 🌞 ☕
7. 🎈 🌹 🍌 🍎 🍷 🥕 🍎 🌞 ☕
8. 🎸 🍦 🐰 ☕ 🌈 🍎 🍷 🥕 🍦 🐰
9. 🌈 🍦 ☕
9. 🍷 🍎 ☕ 🍎 🍇 🐰 🍎 🍌
- 📢 👁️ ☕ 🕒 🍌 🐰 🌈
10. 🏠 🍌 🌈 ☕ 🍦 🍷 🍷 🐰 👁️ 🌈

5. 🐰 🍌 🌈 ☕ 🍦 🍷 🍇
6. 🍌 🌈 🍷 ☕ 🍦 🥕 🍎 🌞 ☕
7. 🎈 🌹 🍌 🍎 🍷 🥕 🍎 🌞 ☕
8. 🎸 🍦 🐰 ☕ 🌈 🍎 🍷 🥕 🍦 🐰
9. 🌈 🍦 ☕
9. 🍷 🍎 ☕ 🍎 🍇 🐰 🍎 🍌
- 📢 👁️ ☕ 🕒 🍌 🐰 🌈
10. 🏠 🍌 🌈 ☕ 🍦 🍷 🍷 🐰 👁️ 🌈
11. 🏀 🌈 ☕ 🐘 🚢
12. 🎈 🍦 ☕ 🌞
13. 🐘 🌹 🐰 🍌 🌹 🥕 🍌 📢 ☕ 🐰
14. 🇮🇳 🌹 🍌 🍌 👁️
15. 🌳 🍌 🥕 🌈 👁️ ☕
16. ☕ 🍌 🌈 🍌 🍷 🍌 🚢
17. 🍦 📢 ☕ 🐰 🍌 📢 🐘 ☕
18. 🌳 🐰 🍌 ☕ 🍌 🥕 🍌 🍷
19. 🏠 🌈 🏀
20. 🍌 🌈 🍦 🍌 🍌 🍷 🐘 🍷

21:05 ✓



Sample Responses of WhatsApp Emoji Activity on Unit-I & II

Name of the Activity: Case Study Activity Activity No: 04

Details of Industrial Visit:

Karmaveer Bhaurao Patil College of Engineering , Satara(IT Cell)

Date of Visit: 03.05.2023

Day: Wednesday

Time: 11.30 am

Faculty during visit: Dr.Shabina Modi, Mrs. Tarannum Shaikh and Mr.Ganesh Dangat

Class during Visit: 3rd year, Computer Science & Engineering

Total Students: 8

Boys: 0

Girls: 8

Group Members:

Avishka Gawde(29)

Megha Irkal(35)

Siddhi Karande(53)

Sanika Kenjale(56)

Shriyasha Jagadale(147)

Sakshi Gosavi(148)

Priti Shitole(149)

Rohini Kumbhar(151)

Courses for which Visit is arranged: Computer Networks



Industrial Visit Report
Computer Science & Engg. Department

Purpose of Industrial Visit:

1. Exposure to real-world practices: An industrial visit can give us an opportunity to witness the real-world practices followed by a network provider, understanding the functioning of the college, and learn about the various technologies and tools used in the college.
2. Understanding trends: Visiting a network provider can give us insights into the latest trends in the networking industry. They can learn about emerging technologies and how they are shaping the future of the industry.
3. Networking opportunities: Industrial visits can provide us networking opportunities that can be useful in our future career prospects. We can interact with industry professionals, ask questions, and get insights that can help us in our professional growth.
4. Career guidance: Industrial visits can help us in making informed decisions about our career choices. We can learn about the different job roles available in the networking industry and the skills required for us.

Details of Industrial Visit:

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Priti Shitole(149)

Rohini Kumbhar(151)

Courses for which Visit is arranged: Computer Networks

Objectives of Visit:

- To get an insight regarding internal working of Institute.
- To get exposure about the practical working environment with theoretical learning.
- To plan organize and engage in active learning experiences both inside and outside the classroom.
- To learn about the latest technologies and tools required for the Computer Network and different topologies.

Sample Responses of Project Based Learning Activity- Poster Presentation

Activity No: 04



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara

Session plan for conducting the Think Pair Share Activity on Google Meet

Program: Computer Science and Engineering	Course: Computer Networks
Class: T.Y. (CSE)	Course Code:
Unit No.: 2	Lecture No.: 4
Duration: 1 Hr.	Date: 24/3
Objective: To elaborate the concept of wireless LAN using Example	
Outcomes: Students get a clear understanding of wireless LAN	

Session Plan

Time	Teacher Activity	Student Activity	Teaching Tool / Assessment Method / Resource used
20 min.	Conducting discussion on Wireless LAN	Listening and noting down	Lecture method along with PPT
20min.	Discussion on various types of Wireless LAN	Participating in Discussion on various types of Wireless LAN and sharing their opinion	Think – Pair - Share
15 min.	Summarizing output of discussion	Listening and noting down	Lecture method along with PPT
5 min.	Summarizing the lecture	Listening and noting down	

Dr. Shabina Sayyed
Course Coordinator



Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering, Satara

- **Academic Year:** 2022-2023
- **Name of the Course:** Data Structure
- **Name of the Activity:** Flipped Classroom
- **Date on which activity conducted-** 15/11/2022
- **Details of the activity:**

Class: SY BTECH

Course Code: BTCOC303

Flipped Classroom on Topic Radix Sort:

Students had been given a self made video on radix sort. On next day the concept understanding was checked by asking questions and sorting problems are solved by students.

Resources

	Program for Insertion sort	Posted Nov 18, 2022
	Bubble sort Video	Posted Nov 14, 2022
	Flipped classroom activity : Radix sort Learn Radix sort by watching the linked video. create a short note on the same. Test will be conducted based on the same on 15th Nov 2022.  Data Structures Radix sort YouTube video 2 minutes View material	Posted Nov 14, 2022

- **No of students:** 75
- **No of students who attempted activity:** 42

Course Coordinator

Karmaveer Bhaurao Patil College of Engineering Satara
Department of Computer Science and Engineering
Course: Machine Learning Class: TYCSE B 2022-23

Unit No 5: Clustering
Snake and Ladder Puzzle
(20th May 2023)

Rules:

There are 10 MCQs

Move the pawn by number mentioned in the bracket
e.g. if a) Deep learning (5) is correct answer,
you have to move your pawn by 5 positions

Fill the Answer Sheet given for each question

Q.No.	Answer	Number in the bracket	Pawn Position
1	a	6	7
2	b	2	9 (ladder to 50)
3	c	2	52
4	a	3	55 (down to 34)



Answer-sheet

Roll No. 91, 108

Name of the student/s:

Saie A. Pandat

Final Winning Position: 100

Toupti B. Rasakar

Question No.	Answer	No. in the Bracket	Pawn position
1	b	5	27
2	b	8	35
3	d	6	41
4	c	2	43 16
5	b	3	19
6	d	6	58 57
7	a	5 (4)	63 62 82
8	a	7	70 69 89
9	b	8	78 77 97
10	b	3	100

Student Feedback about the activity:

We enjoyed the activity & we all are able to solve our basics about the k-means clustering.

Saie A. Pandat
Sign of the Student/s
TB Rasakar

Unit No 5: Clustering

Snake and Ladder Puzzle

(20th May 2023)

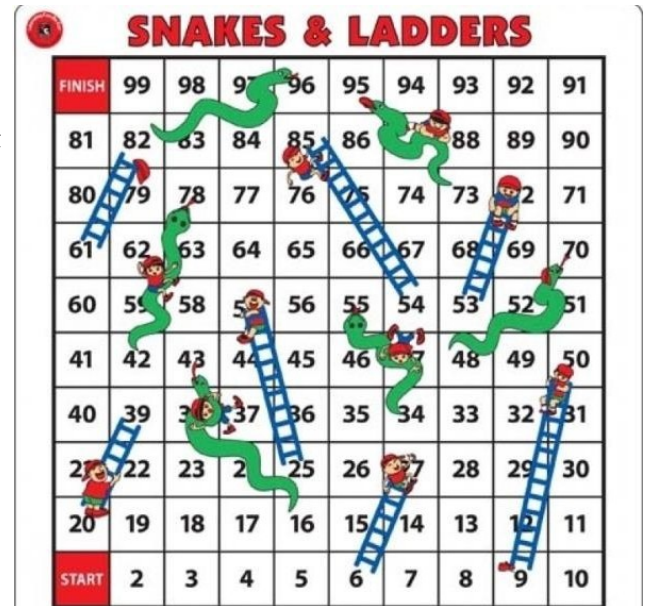
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2	b	2	9 (ladder to 50)
3	c	2	52
4	a	3	55 (down to 34)



Answer-sheet

Roll No. _____ Name of the student/s: _____

Final Winning Position: 100

Question No.	Answer	No. in the Bracket	Pawn position
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Student Feedback about the activity:

Sign of the Student/s

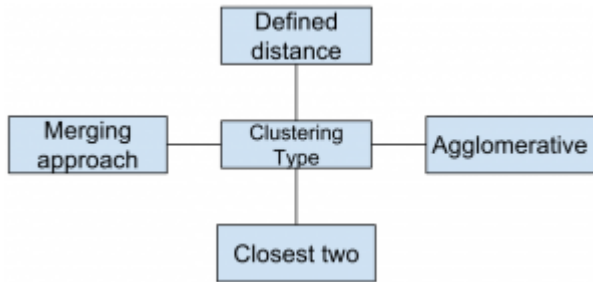
Unit No 5: Clustering

Snake and Ladder Puzzle

(20th May 2023)

Questions:

- 1) Which of the following clustering type has characteristic shown in the below figure?



- a) Partitional(2)
b) Hierarchical(5)
c) Naive bayes(1)
d) None of the mentioned(6)
- 2) Which of the following is finally produced by Hierarchical Clustering?
a) final estimate of cluster centroids(5)
b) tree showing how close things are to each other(8)
c) assignment of each point to clusters(10)
d) all of the mentioned(3)
- 3) Which of the following is required by K-means clustering?
a) defined distance metric(4)
b) number of clusters(7)
c) initial guess as to cluster centroids(8)
d) all of the mentioned(6)
- 4) Point out the wrong statement.
a) k-means clustering is a method of vector quantization(3)
b) k-means clustering aims to partition n observations into k clusters(5)
c) k-nearest neighbor is same as k-means(2)
d) none of the mentioned(4)
- 5) Which of the following clustering requires merging approach?
a) Partitional(2)
b) Hierarchical(3)
c) Naive Bayes(6)

d) None of the mentioned(4)

- 6) Sentiment Analysis is an example of:

1. Regression
 2. Classification
 3. Clustering
 4. Reinforcement Learning
- a) 1 Only(5)
b) 1 and 2 (6)
c) 1 and 3(8)
d) 1, 2 and 3 (7)
e) 1, 2 and 4 (4)
f) 1, 2, 3 and 4(6)

Q 7 What is the minimum no. of variables/ features required to perform clustering?

- a. 0 (5)
b. 1 (4)
c. 2 (7)
d. 3 (9)

Q 8. Is it possible that the assignment of observations to clusters does not change between successive iterations in K-Means?

- a.. Yes(7)
b.. No(8)
c. Can't say(9)
d. None of these

Q 9. Which of the following can act as possible termination conditions in K-Means?

- A) For a fixed number of iterations.
B) The assignment of observations to clusters does not change between iterations, except for cases with a bad local minimum.
C) Centroids do not change between successive iterations.

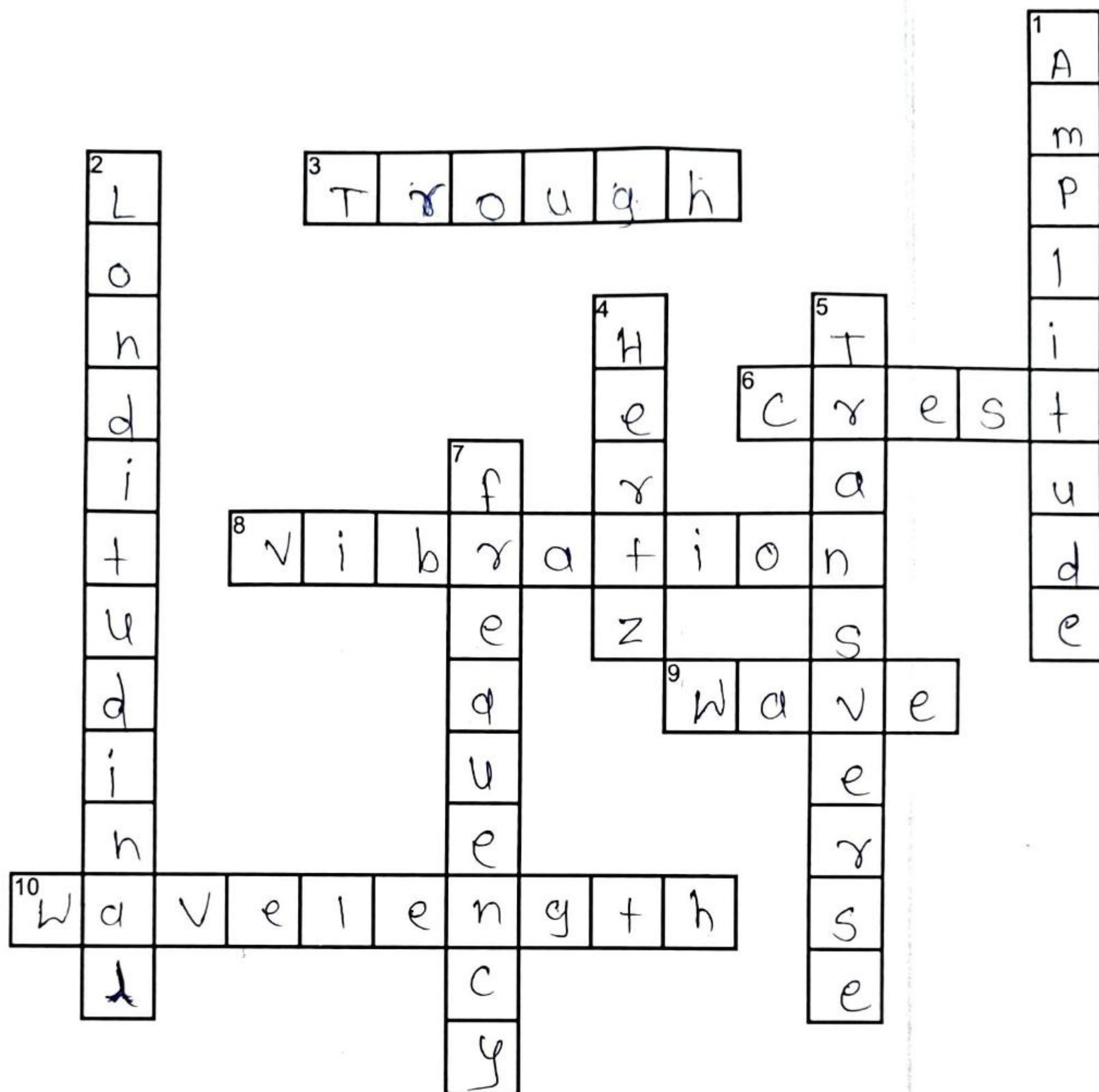
- a. 1, 3 (6)
b. 1, 2 and 3(8)
c. 1, 2 (7)

Q. 10) Which of the following algorithm is most sensitive to outliers?

- a. SVM (1)
b. K-means clustering algorithm(3)

Name: Satre Sonal Hanmant

Waveform Basics crossword puzzle



Across

- 3. The lowest part of a wave
- 6. The highest part of a wave
- 8. Oscillations about an equilibrium
- 9. Oscillations with transfer of energy
- 10. The length of a wave

Down

- 1. The height of a wave
- 2. A type of wave that has compression
- 4. Unit of measurement for waves
- 5. Oscillations perpendicular to direction
- 7. Number of times a wave passes a certain point