MARATHA VIDYA PRASARAK SAMAJ'S
Karmaveer Adv. Baburao Ganpatrao Thakare
College of Engineering, Nashik

Department of Electronics & Telecommunication Engineering

NOTICE

Date: 02.04.25

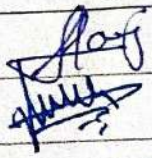
Subject: Implementation of "Case Study" innovative teaching Method.

Dear Students,

This is to inform you that, in this semester the Case Study method will be introduced for the topic Applications of Mobile Computing (Special Constraints and Requirements), of the subject Mobile Computing (404191-E), as part of our continuous evaluation process across selected topics. Case Study emphasizes student-led exploration, critical thinking, and problem solving. Instead of traditional teaching, students will participate in discussions to demonstrate their comprehension. You are advised to become part of Case Study. I will instruct you all to comprehend the approach, organization, and expectations, as well as the assessments and rubrics. Look forward to your active participation and unique contributions.
Use the rubrics for presentation & report writing as below to assess your activity participation.

Rubrics	4	3	2	1
Content and Analysis	Clear analysis, understanding, all key issues addressed with logical connections.	Covers most key issues, some underdeveloped connections.	Superficial analysis, some key issues missing.	Minimal or unclear analysis, missing or irrelevant content.
Problem Identification and Analysis	Clear problem identification with thorough analysis, supported by data	Problem identified, but analysis lacks depth or supporting data	Poor problem definition, inadequate or unsupported analysis	Problem identified, but analysis lacks evidence or depth
Organization and Structure	Well-organized with clear, logical flow. Each section contributes to the message.	Clear structure, but weak transitions between sections.	Lacks clear organization, difficult to follow.	Poor organization, hard to follow main points or argument.
Delivery and Communication Skills	Clear, confident, engaging; effective eye contact and body language.	Clear but may lack confidence or full engagement. Minor pacing or time issues.	Struggles with clarity, confidence, engagement, or pacing.	Difficult to understand, disorganized, poorly timed.
Writing Quality and Clarity	Clear, concise, professional language with no grammatical or spelling errors.	Mostly clear with minor errors, good writing style.	Several grammatical or spelling errors, unclear or verbose writing in places.	Frequent errors,
Reflection & Lifelong Learning	Thoughtful reflection on learning process; identifies strengths, challenges, and future learning needs.	Reflects on learning with some insight; basic understanding of learning strategies.	Superficial reflection; lacks specific insights or learning goals.	No meaningful reflection; no awareness.

Mr. A. R. Chaudhari
Subject In charge

Sr. No	Name	Sign
1	Aher Shantanu Satish	
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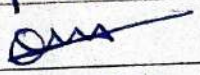
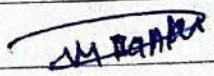
3	Ahirrao Om Yogesh	
4	Bankar Om Bhomendra	
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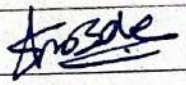
6	Bhosale Suraj Arun	
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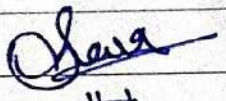
8	Chavan Gaurav Sanjay	
9	Chavan Sumeet Vasant	
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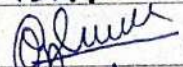
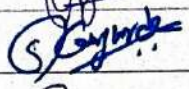
11	Dhongade Omkar Mukunda	
12	Gangurde Shashank Vijay	
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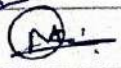
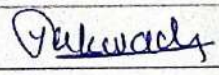
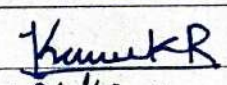
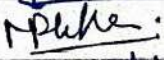
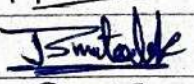
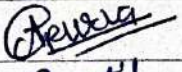
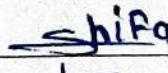
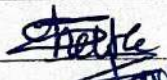
14	Kasav Minakshi Sanjay	
15	Kavade Yogita Ganpat	
16	Kavekar Jayesh Sambhaji	
17	Lohare Mandar Ravindra	
18	Mutadak Jagdish Shivram	
19	Nimbalkar Apurva Ashok	
20	Patil Tejas Chandrashekhar	
21	Shaikh Shifa Rafik	
22	Shelke Pranav Arun	
23	Sonawane Leena Prakash	
24	Wadge Gaurav Shyamchan.	

Department of Electronics & Telecommunication Engineering

Academic Year – 2024-2025	Class: BE
SEM-II	Date:- 23.04.2025 (Assessment)
CO: 1	PO: 1,2, 9, 10, 12

Innovative Teaching Methods

Title of Innovation method/activity: Case Study

1. **Name of Faculty**: Mr. A. R. Chaudhari.

2. **Subject**: Mobile Computing

3. **Objective of Method:**

1. To analyze the application and performance of mobile computing technologies in real-world scenarios, identify challenges such as connectivity, processing limitations.

4. **Topic Covered through Activity**:

1. Applications of Mobile Computing (Special Constraints and Requirements)

5. **Description of method with Benefits:**

Case studies often involve narratives, cases, or problems based on real-world events or hypothetical situations

- **The method** :

A case study is an innovative teaching method where students analyze real or hypothetical situations to understand a concept or solve a problem. It involves presenting a scenario, facilitating discussion, and prompting students to apply their knowledge and critical thinking skills. This method encourages active learning, critical thinking, and problem-solving in a real-world context.

Roles and Responsibilities

- **Teacher**

Teachers are responsible for structuring the course in a way that integrates both online and offline learning seamlessly. This involves:

- Planning which topics will be taught online and which will be covered in face-to-face sessions.
- Selecting appropriate digital tools and resources that align with course goals.
- Ensuring that online materials (videos, readings, quizzes) are engaging and complement classroom instruction.

Offering Support and Guidance:
The teacher provides guidance and support throughout the inquiry process, offering feedback, clarifying misconceptions, and helping students stay focused and organized.

Assessing Learning:
Assesses student learning through various methods, including observation, questioning, and student presentations, providing feedback and instruction to meet individual needs.

- **Student**

Students (group of 3/4 students) become active researchers in inquiry-based learning, particularly when a structured approach is employed. They take ownership of their learning by finding the resource person and collect the answers of query in mind about the assign topic, by discussion with the resource person, investigating information, and collaborating to find solutions.

Presenting Findings and Solutions

Responsibility: After completing a case study, students are often tasked with presenting their findings, solutions, or conclusions.

Applying Knowledge in Real-Life Contexts

Responsibility: Students should strive to apply the theoretical knowledge learned from the case study to real-life situations. By connecting case study concepts to their own experiences or current events, students deepen their understanding and enhance practical application. Makes the learning experience more relevant and applicable to real-world challenges

Engaging with Technology

In modern case study-based learning, students often need to engage with various digital tools or platforms (e.g., learning management systems, collaborative software, video conferencing tools). Students are expected to use these technologies to access materials, collaborate with peers, and submit assignments.

By fulfilling these responsibilities, students can gain a deeper understanding of the case study subject, improve their academic and professional skills, and better prepare themselves for real-world challenges.

6. Assessment Tools & Rubrics:

Quiz (50 %)

Individual performance would be checked through the quiz.

Presentation & Report (50 %)

Facilitate discussions to assess students' understanding of concepts by contributing to the inquiry process, their questioning, investigation, collaboration and their ability to articulate their ideas.

Overall Individual Performance
Final Marks Obtained = (Quiz Marks + Oral questions)

- **Rubrics for Assessment**

Rubrics	4	3	2	1
Content and Analysis	Clear analysis, understanding, all key	Covers most key issues, some	Superficial analysis, some key issues	Minimal or unclear analysis, missing or

	issues addressed with logical connections.	underdeveloped connections.	missing.	irrelevant content.
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7. Evaluation Sheet & Feedback

Sr. No	Name	Quiz (8)5	Report (15	Final Marks (10)	Sign
1	Aher Shantanu Satish	4	3	7	
2	Aher Vidya Vishwas	4	4	8	
3	Ahirrao Om Yogesh	4	2	6	
4	Bankar Om Bhomendra	4	3	7	
5	Bhagyesh Jawale	4	3	7	
6	Bhosale Suraj Arun	4	3	7	
7	Bodkhe Devansh Keshav		4	4	
8	Chavan Gaurav Sanjay	2	4	6	
9	Chavan Sumeet Vasant		3	3	
10	Desale Sai Vilas	4	3	7	
11	Dhongade Omkar Mukunda	4	3	7	
12	Gangurde Shashank Vijay	4	3	7	
13	Kale Om Dhananjay		3	3	
14	Kasav Minakshi Sanjay	4	4	8	
15	Kavade Yogita Ganpat	4	3	7	
16	Kavekar Jayesh Sambhaji	4	4	8	
17	Lohare Mandar Ravindra	4	4	8	
18	Mutadak Jagdish Shivram	0	4	4	
19	Nimbalkar Apurva Ashok	3	3	6	

Sr. No	Name	Quiz (8)	Report (2)	Final Marks (10)	Sign
20	Patil Tejas Chandrashekhar	3	3	6	
21	Shaikh Shifa Rafik	3	3	6	
22	Shelke Pranav Arun		3	3	
23	Sonawane Leena Prakash	3	3	6	
24	Wadge Gaurav Shyamchan.	3	3	6	

8. Impact Analysis

Sr. No	3- Yes	2- May be	1- No
Do you find Methodology Helpful	18	02	0

Analysis:-

- 79.16 % students score more than 60% in quiz conducted & report writing & presentation on the topic.
- 90 % agreed the method is helpful.

Conclusion:-

By observation from students response & feedback (Oral) Inquiry-based learning is a powerful teaching method that actively engages students, fosters critical thinking, and connects classroom learning to real-world situations, the challenges and opportunities associated with mobile computing, like slow speeds, network congestion, and limited coverage, particularly in rural areas, can hinder performance.

9. Activity Picture

10. For review and critique contact: e-mail address of faculty and HOD

Chaudhari.atul@kbtcoe.org

Mr. A. R. Chaudhari
Subject In charge

Mr. A. R. Chaudhari
Module Coordinator

HoD