29 Paid suppliers on account, ₹1,390.
30 Paid dividend, ₹1,100.

Required

1. Prepare journal entries to record the transactions in the general journal. The inventory of supplies on August 31 was ₹1,120. Record the difference between this amount and the August 31 balance of the Supplies account as the supplies expense for August.
2. Enter the July 31 balances in the appropriate accounts. Write *Balance* in the explanation space of each account.
3. Post the journal entries to the ledger.
4. Prepare the August statement of profit and loss, statement of retained earnings, and balance sheet.

Business Decision Cases

BDC 2.1
Kapoor Software Limited

After working for over a decade in a leading software company, Vinay and Sheela Kapoor decided to set up their own software firm, Kapoor Software Ltd. on June 1. Each of them deposited ₹30,000 in the company's bank account in exchange for 3,000 shares of ₹10 each.

Amit Lal, an old friend of the Kapoors, joined the company as office manager on a monthly salary of ₹7,000, no matter how many days he showed up at work. Amit paid into the bank all customer receipts and made all payments by cheque. Although Amit had no knowledge of accounting, he carefully filed the company's letters, invoices and other papers. Also, he noted down details of cheques received and issued in his diary. The following information is available from Amit's file and diary.

June 1:

- Borrowed ₹25,000 from Canara Bank.
- Sheela ordered a computer costing ₹40,000.

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June 2:

- Hired an office room on a monthly rental of ₹2,500 payable on the first day of the month and paid the rent for June.

June 3:

- Vinay appointed two programmers on a salary of ₹250 per day each for the number of days they worked.

June 6:

- Received the computer and paid ₹15,000. The balance amount is payable in three equal instalments on the fifth of every month beginning July.
- Ordered on Gupta & Co. supplies for ₹7,300.

June 8:

- Received supplies costing ₹3,900.

June 10:

- Raised invoices on customers, ₹29,200, for providing services.

June 16:

- One box of CDs costing ₹710 varied slightly from the purchase specification, and Gupta & Co. was informed of the rejection; all other items were as ordered and were paid for.

June 19:

- Received cheques for ₹14,100 from customers in payment of bills.

June 20:

- Raised invoices on customers for ₹19,400 for providing services.

June 23:

- Received a cheque for ₹9,800 from a customer as payment for services to be provided in July.

June 27:

- Gupta & Co. requested me to accept the rejected supplies and said that they would be willing to give a discount of ₹90 on the CDs to make up for the deviation. I checked with Vinay and he told me to accept the supplies. I accepted the supplies and paid Gupta & Co.

June 28:

- Received cheques for ₹7,100 in payment of bills.

June 29:

- Vinay asked me to repay the bank loan. I paid ₹14,000 of the loan with interest of ₹340.

June 30:

- During the month, the company had 21 working days. One of the assistants reported for work on all working days and the other worked for only 17 days. I paid the June salaries.
- The inventory of supplies is worth about ₹2,400.
- Received the June electricity bill for ₹450, but could not pay it.

July 1:

- Paid office rent for July.
- Paid the June electricity bill.

July 3:

- Received the remaining supplies.

July 4:

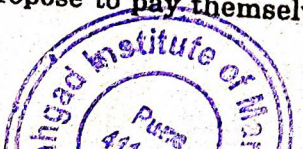
- Paid for the supplies.

July 5:

- Paid the first instalment for the computer.

Required

1. Prepare the June financial statements of Kapoor Software Ltd.
2. The Kapoors propose to pay themselves a dividend of ₹10 per share. Comment on their proposal.



Date / /

(Q 4)

→ Case Study -

In the Book of Kapoor software Ltd.

Date	Particulars	L/f	Debit	Credit
June				
1.	Bank A/c Dr.			
	To Capital A/c		60,000	—
	(Being capital deposited into Bank with eq. share)		—	60,000
1.	Bank A/c Dr.		25,000	—
	To Bank loan A/c		—	25,000
	(Being borrowed from bank)			
2.	Rent A/c Dr.		25,000	—
	To Bank A/c		—	25,000
	(Being rent Paid)			
6.	Computer A/c Dr.		40,000	—
	To Bank A/c		—	15,000
	To Bills payable A/c		—	25,000
	(Being computer purchased on cash and credit basis).			
8.	Purchase A/c Dr.		3,900	—
	To Gupta & Co. A/c		—	3,900
	(Being goods purchased on Credit)			

Date June	Particulars	L/F	Debit	Credit
June 10.	Bills Receivable A/c Drs.		29,200	—
	To Sales A/c		—	29,200
	(Being service provided to XYZ customers)			
June 16.	Gupta & Co. A/c Dr.		3900	—
	To purchase return A/c		—	710
	To Bank A/c		—	3,190
	(Being good returned).			
June 19.	Bank A/c Dr.		14,100	—
	To Bills Receivable A/c		—	14,100
	(Being cheque received in payment of bills).			
June 20	Bills Receivable A/c Dr.		19,400	—
	To Sales A/c		—	19,400
	(Being services provided to XYZ customers).			
June 23	Bank A/c Dr.		9,800	—
	To Sales A/c		—	9,800
	(Being cheque received in advance for July services).			
June 27	Defective goods A/c Dr		710	—
	To Cash Discount		—	90
	To Bank A/c		—	620
	(Being goods Discounted for rejected Bs)			

Date	Particulars	L/F	Debit	Credit
June 28	Bank A/c Dr.		7100	—
	To Bills Receivable A/c		—	7100
	(Being Bills Received)			
June 29	Bank loan A/c Dr.		14,000	—
	Intrest A/c Dr.		340	—
	To Bank A/c		—	14,340
	(Being bank loan paid with intrst)			
June 30	Salaries A/c Dr.		16,500	—
	To Bank A/c		—	16,500
	(Salaries paid to 2 programmers & 7000 to an old tried).			
June 30	Electricity A/c Dr.		450	—
	To outstanding expenses A/c		—	450
	(Paid the June electricity bill). but could not pay it.			
	Total Balance →		2,69,400/-	2,69,400/-

Madhuse
2.1.22

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Tutorials:

Computer tutorials can cover a wide range of topics, depending on the specific area of interest or the skill level of the learner.

IT13: Object Oriented Software Engineering
Topic: Mini Project SRS

Course material provided:

1. Network Addressing
    - Introduction To IP addressing
    - Addressing at various layer
    - IP addressing
2. Presentation on IP addressing
    - IP addressing Lecture by Shri. Shridhar Iyer
    - Layering Concepts

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Tutorial

Courses with more practical based approach subject teacher has conducted tutorials. Example is given below:

IT13: Object Oriented Software Engineering
Topic: **Mini Project SRS**

Question:
Write SRS for your Mini Project with following changes

1. Write roll no name on first page
2. Write the project description in Sequenced manner
3. In section of System design and analysis – Draw use case Diagram

Enclosure:
1. Scan copy of Student Submission of SRS

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2. **Tutorials-** Tutorials are given to develop critical thinking of students
Course: IT13: Object Oriented Software Engineering

Tutorial submission:

A

Project Report

On

HOME HAVEN

Submitted by

Anand Madhukar Kate

Roll No.: 23429

MCA–I

SEM–I

Under the guidance of

Prof. Dushyant Bodkhey

For the Academic Year 2023-24

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Prof. M. N. Navale	Dr. (Mrs.) Sunanda M. Navale	Dr. Chandrani Singh
M.E. (ELECT.), MIE, MBA	B.A., MPM, Ph.D	MCA, ME, (Com. Sci.), Ph.D
FOUNDER PRESIDENT	FOUNDER SECRETARY	DIRECTOR - MCA

Date:

CERTIFICATE

This is to certify that Mr. Anand Madhukar Kate has successfully completed his project work entitled **"Home Haven"** in partial fulfillment of MCA – I SEM –I Mini Project for the year 2023-2024. He has worked under our guidance and direction.

Prof. Dushyant Bodkhey
Project Guide

Dr. Chandrani Singh
Director, SIOM-MCA

Examiner 1

Examiner 2 20/12/2023

Date:

Place: Pune

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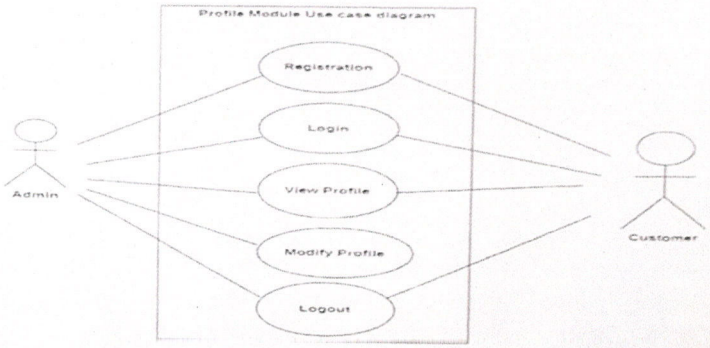
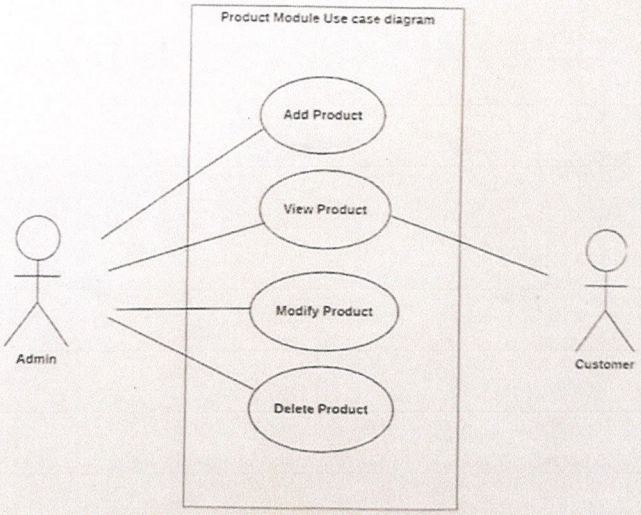
3.3. Use Case Diagrams :

- **Profile Module:**



- **Product Module:**



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Case Study

Course Title: CS11: Case Study
Course Teacher:

The case study will delve into the importance of clear communication and collaboration between stakeholders, analysts, and end-users, emphasizing the need for a comprehensive understanding of both functional and non-functional requirements. Attendees will witness how the project team navigated through conflicting priorities, evolving project scopes, and changing user needs during the requirement gathering phase.

The key areas highlighted during such courses are

Semester 1 – Requirement Submission

Semester 2 – Feasibility Study

Semester 3 – Designing

Semester 4 – Production

Semester 5 – Testing and Implementation

Testing has guidelines were already shared with the students

Individual Student

Enclosures:

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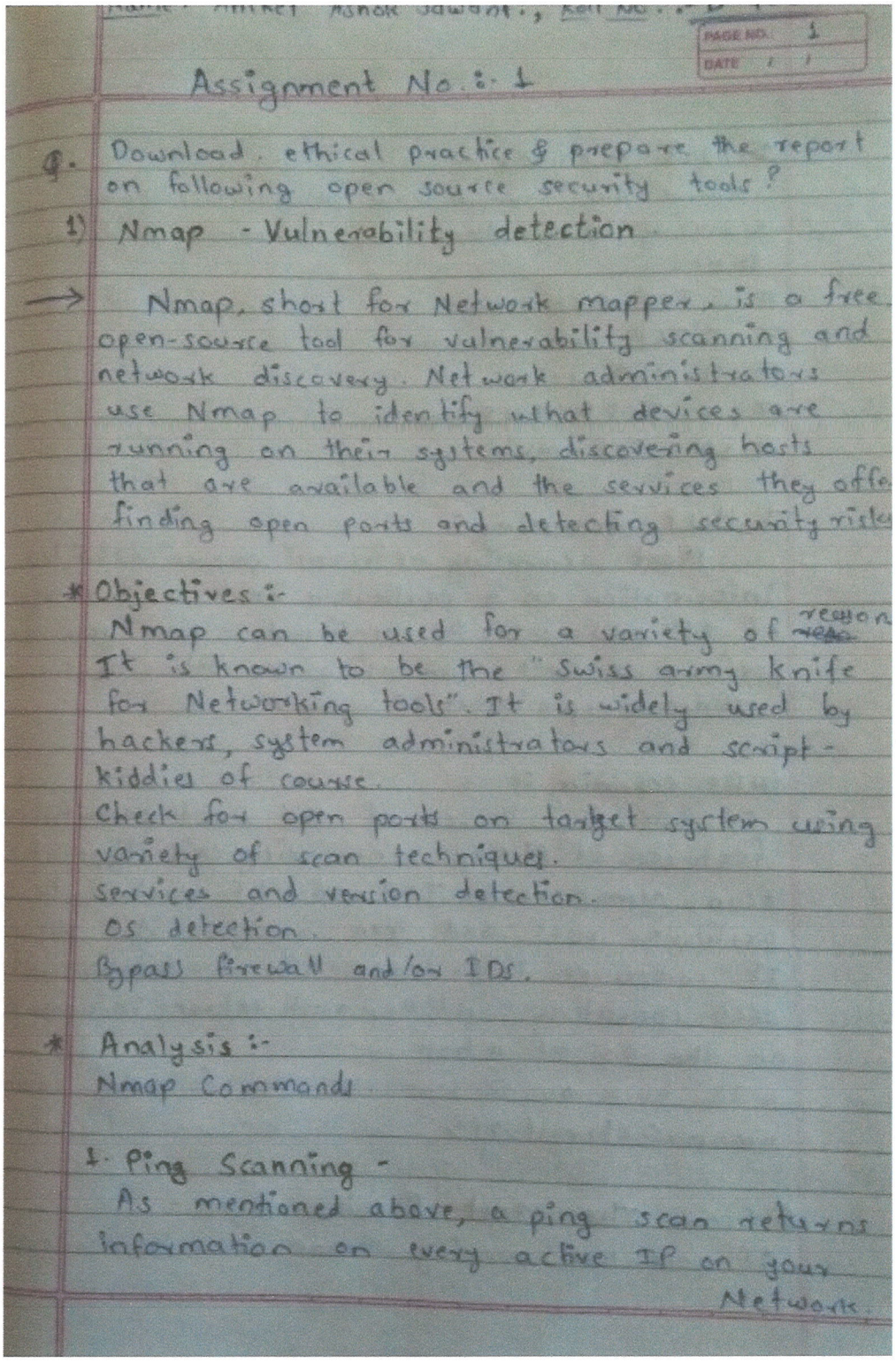
1. Screenshot of the Case Study



Assignment No. :- 1

Q. Download ethical practice & prepare the report on following open source security tools?

1) Nmap - Vulnerability detection

→ Nmap, short for Network mapper, is a free, open-source tool for vulnerability scanning and network discovery. Network administrators use Nmap to identify what devices are running on their systems, discovering hosts that are available and the services they offe finding open ports and detecting security risks

* Objectives :-
Nmap can be used for a variety of reason It is known to be the "swiss army knife for Networking tools". It is widely used by hackers, system administrators and script-kiddies of course.
Check for open ports on target system using variety of scan techniques.
services and version detection.
OS detection.
Bypass firewall and/or IDs.

* Analysis :-
Nmap Commands

1. Ping Scanning -
As mentioned above, a ping scan returns information on every active IP on your Network.

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1. Case Study

Course: CS51: Case study

Individual students developed a project from semester 1 to semester 5 by the following the Software development cycle.

Semester 1 – Requirement Submission

Semester 2 – Feasibility Study

Semester 3 – Designing

Semester 4 – Production

Semester 5 – Testing and Implementation

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Problem Solving Using Tutorials

Course title: IT12: Software Engineering using UML
Topics: Mini Project SRS

Course Description:
SRS stands for Software Requirements Specification. It is a document that serves as a comprehensive reference for software developers and other stakeholders involved in a software project.

Topics of Tutorials

1. SRS Writing
2. Use case diagram
3. Class Diagram
4. Object diagram
5. Sequence diagram
6. Designing Screen Layout

Subject Teacher has conducted various tutorials on courses with case study, Problem Solving methodology.

1. **Understanding Requirements Gathering**: Writing an SRS requires students to gather and document software requirements. This process helps them understand the importance of gathering complete and accurate requirements.
2. **Communication Skills**: Creating an SRS involves communicating complex technical information in a clear and concise manner. Students develop communication skills as they articulate software features, functionalities.
3. **Real-world Application**: Writing an SRS provides students with a practical application of theoretical knowledge.
4. **Client Interaction Skills**: If the SRS is based on a client's requirements, students may need to interact with the client to gather information and clarify doubts. This experience helps develop client interaction and negotiation skills.

Overall, writing an SRS provides students with a holistic understanding of software development processes, from requirements gathering to project management, and helps them develop a set of skills that are highly valuable in the professional world.

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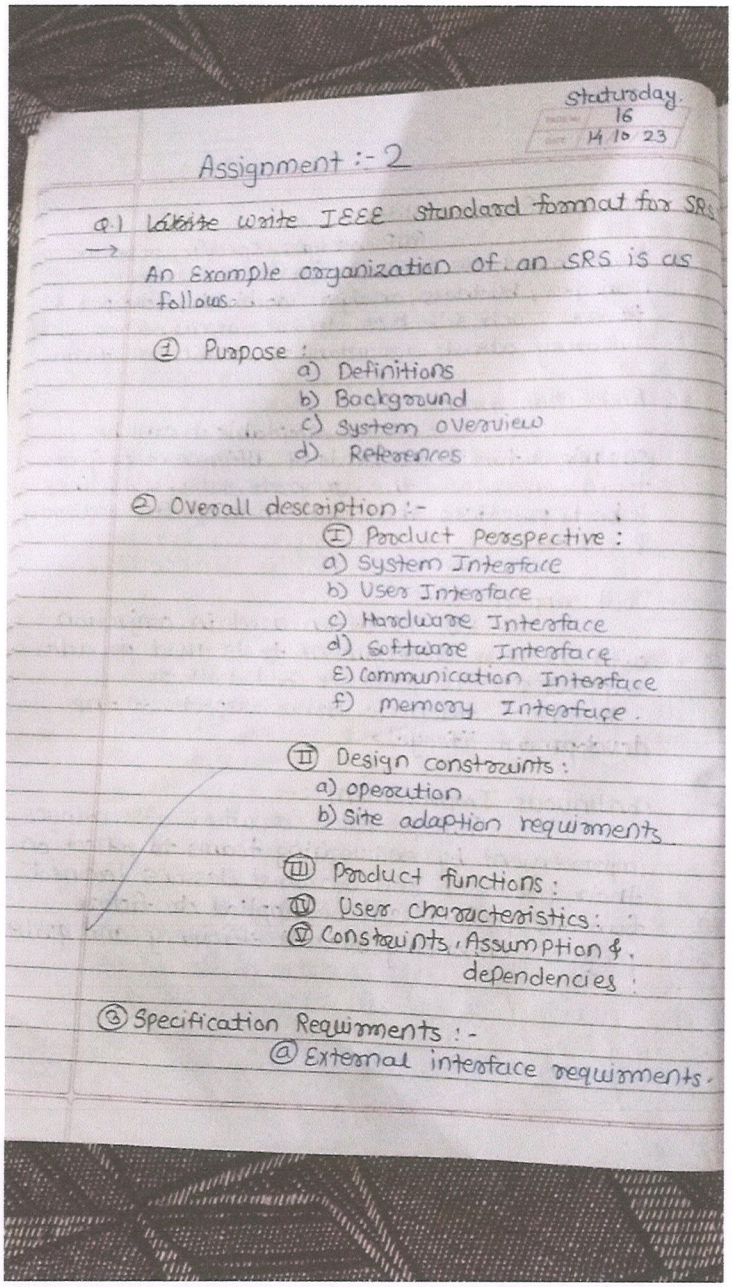
Sample-



Saturday
16
14 10 23

Assignment :- 2

Q.1 ~~Write~~ Write IEEE standard format for SRS

→

An Example organization of an SRS is as follows:

1. Purpose :
   a) Definitions
   b) Background
   c) System overview
   d) References
2. Overall description :-
   I. Product perspective :
   a) System Interface
   b) User Interface
   c) Hardware Interface
   d) Software Interface
   e) Communication Interface
   f) memory Interface.
   II. Design constraints :
   a) operation
   b) Site adaption requirments
   III. Product functions :
   IV. User characteristics :
   V. Constraints, Assumption & dependencies :
3. Specification Requirments :-
   a) External interface requirments.

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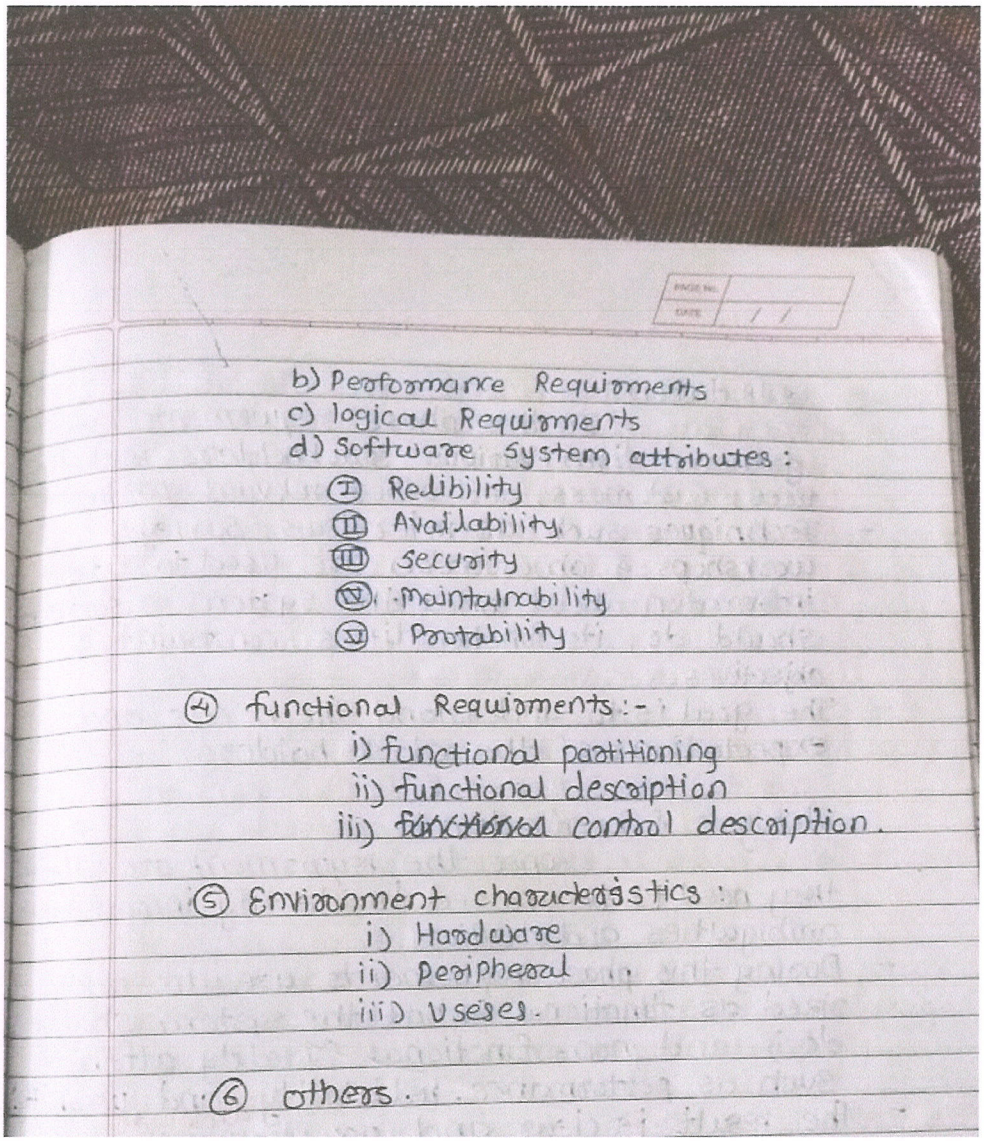

b) Performance Requirements
c) logical Requirments
d) Software system attributes :
(I) Relibility
(II) Availability
(III) security
(IV) Maintainability
(V) Portability

(4) functional Requirments :-
i) functional partitioning
ii) functional description
iii) ~~functional~~ control description.

(5) Environment characteristics :
i) Hardware
ii) Peripheral
iii) Useres.

(6) others.

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Course Title: OCI1- Digital Marketing
Topics: Digital Marketing Presentation

Course Description:
Presentations play a crucial role in education, providing a versatile and effective way to deliver information, engage students, and facilitate learning. Here are some of the key uses of presentations in an educational setting.

Content Delivery: Presentations are an efficient means of delivering content to students. They allow educators to organize information in a structured and visually appealing format, making it easier for students to grasp complex concepts.

Visual Aid: Visual elements such as slides, images, graphs, and charts can enhance understanding and retention. Visual aids help break down complex ideas, appeal to different learning styles, and make the content more memorable.

Engagement and Interaction: Well-designed presentations can captivate students' attention, keeping them engaged and focused during a lesson. Interactive features, quizzes, and discussions integrated into presentations can further enhance student participation.

Clarity and Structure: Presentations provide a clear and organized structure for presenting information. Educators can use slides to break down topics into manageable sections, making it easier for students to follow the flow of the lesson.

Demonstrations and Simulations: Presentations can include multimedia elements such as videos, simulations, or demonstrations, allowing students to see real-world examples or dynamic processes that might be challenging to convey through traditional teaching methods.

presentations serve as a versatile educational tool that supports content delivery, enhances engagement, facilitates discussion, and promotes active learning among students. Integrating presentations into teaching strategies contributes to a more dynamic and effective learning experience.

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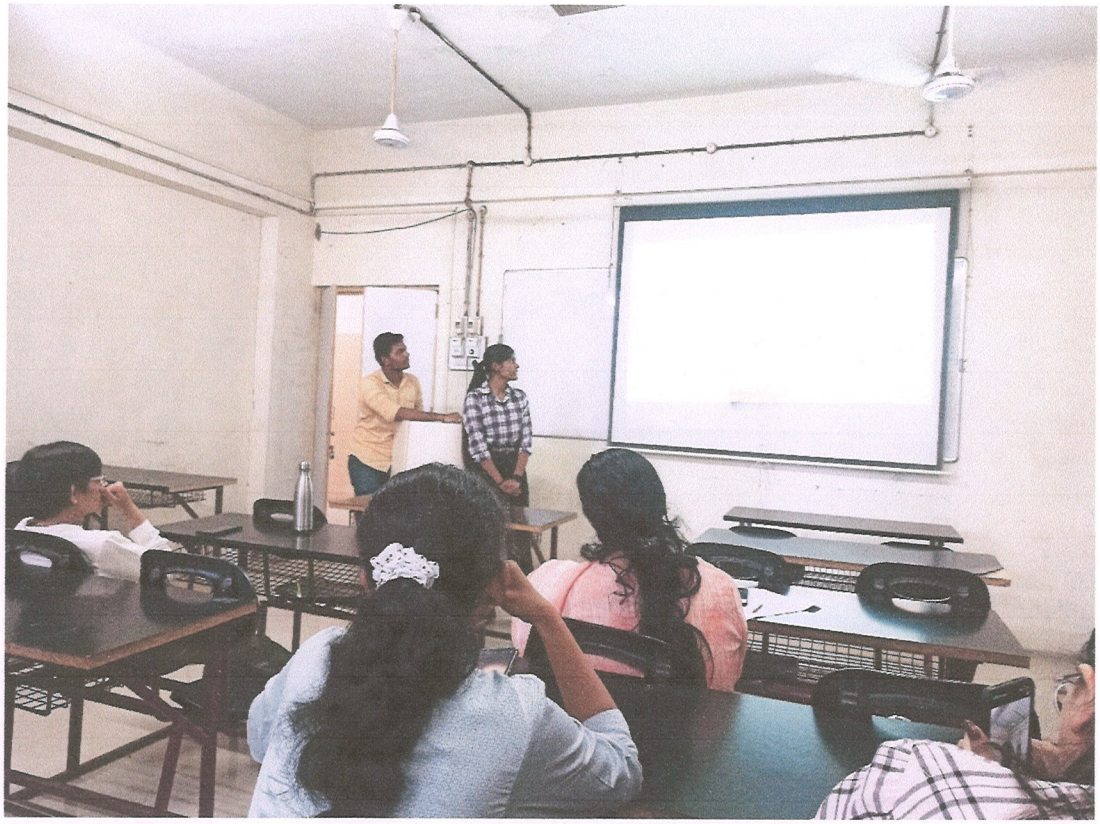
Sample-



Dr.Chandrani Singh
Director SIOM-MCA