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S. No.	Name of Practical	Submission Date	Remark
01.	Design a professional resume using templates.	22-09-2025	
02.	Create a Career Oriented Presentation with 7 slides using transitions and animations.	29-09-2025	
03.	Create a social media poster for "DIGITAL AWARENESS WEEK" using canva.	01-10-2025	
04.	Compose & send a professional email with an attachment as "you are applying for an internship, send email to HR with your resume attached";	06-10-2025	
05.	<p>Design a complete Google Form survey and analyze responses.</p> <p>a) Create a Google Form titled "Student Attendance Report".</p> <p>Include the following question types:</p> <ul style="list-style-type: none"> • 5 MCQs • 1 Rating scale (1-5) • 1 Short answer <p>1 Checkbox question</p> <p>b) Customize the theme (header image + color).</p> <p>c) Share the form link with 5 friends and collect responses.</p> <p>d) Generate charts from responses and take screenshots of the analysis page.</p>	11-10-2025	
06.	<p>Demonstrate the creation and management of your digital identity.</p> <p>a) Create a social media profile (LinkedIn preferred).</p>	31-10-2025	

	<p>b) Add a profile photo, short bio, skills, and education details.</p> <p>c) Create a simple post about “My Learning Journey in Digital Literacy.”</p> <p>d) Change your privacy settings to:</p> <ul style="list-style-type: none"> a. Who can see your posts. b. Who can message you 		
07.	<p>Using Google Drive or OneDrive:</p> <p>a) Create a new folder named “Unit 3 Practical Work”.</p> <p>b) Upload 3 different files (PDF, image, document).</p> <p>c) Organize them in subfolders: Notes, Images, Assignments.</p> <p>d) Share the main folder with your teacher with View Only permission.</p>	13-11-2025	
08.	<p>Identify one real phishing email : A final-year student, Aman, receives a LinkedIn message saying:</p> <p>“You are shortlisted for a Remote Software Developer role at Google. Salary: ₹18 LPA. Pay ₹2,499 as verification fee. Limited seats. Pay now to confirm.”</p> <p><u>ANSWER THE QUESTIONS :-</u></p> <p>a) What type of cybercrime is happening here?</p> <p>b) List 3 red flags that show it is a scam?</p> <p>c) What should he do to verify if a job offer is real?</p>	19-11-2025	
09.	Create a Google Form Quiz with the following requirements:	24-11-2025	

	<p>a) Convert the form into a Quiz mode with automatic grading.</p> <p>b) Add 5 MCQ questions, each carrying 2 marks.</p> <p>c) Add 1 short answer question that requires manual evaluation.</p> <p>d) Turn ON the setting:</p> <ul style="list-style-type: none"> a. <i>Limit to 1 response</i> b. <i>Shuffle question order</i> c. <i>Release marks after manual review</i> <p>e) Add a timer add-on (like form presenter) and set up a 10-minute time limit.</p> <p>f) Finally, send the quiz link and view the response summary.</p>		
10.	<p>Ask ChatGPT OR Google Gemini to generate a 100–120 word paragraph on: "Is online learning better than offline learning for college students?"</p> <p>a) Run the AI-generated text through Grammarly and any plagiarism-check tool.</p> <p>b) Now manually search online to check if similar sentences exist on blogs or articles.</p> <p>c) Identify 2–3 biased statements in the AI answer, such as:</p> <ul style="list-style-type: none"> 1. Over-generalizations 2. One-sided opinions 3. Unproven claims <p>d) Rewrite the entire paragraph in a neutral and balanced way, using AI only for grammar suggestions.</p> <p>e) Submit 3 screenshots:</p> <ul style="list-style-type: none"> i. Plagiarism check result ii. Grammarly suggestion page iii. Original AI 	29-11-2025	

	paragraph vs your rewritten unbiased version		
11.	<p>To compare AI-generated content with student-created content and understand limitations of AI,</p> <ul style="list-style-type: none"> a) Write a 100–150 word paragraph on the topic: "Will AI replace jobs or change them?" (This must be written by the student.) b) Ask any AI tool (ChatGPT/Gemini/Copilot) to write the same topic. c) In your practical copy, create a Comparison Table with the headings: <ul style="list-style-type: none"> i. Human-Generated Content 	03-12-2025	
12.	<p>Create a new NotebookLM project titled: "My Chapter Revision Notes."</p> <ul style="list-style-type: none"> a) Upload multiple sources (any 2) such as: <ul style="list-style-type: none"> i. PDF notes ii. Web articles iii. Text copied into NotebookLM b) Ask NotebookLM to: <ul style="list-style-type: none"> i. Create a combined study guide using all sources. ii. Generate flashcards for quick revision. iii. Create a concept map or explanation of the topic. c) Manually check for: <ul style="list-style-type: none"> i. Any incorrect facts ii. Repeated information 	10-12-2025	

	<p>iii. Missing important points</p> <p>d) Attach 3 screenshots from NotebookLM:</p> <ul style="list-style-type: none"> i. Combined study guide ii. Flashcards iii. Concept map / explanation 		
13.	<p>Create a complete Student Result Management workbook.</p> <p>a) Create a new workbook with 3 sheets renamed as:</p> <ul style="list-style-type: none"> a. <i>Student_Data</i> b. <i>Marks_Analysis</i> c. <i>Charts</i> <p>b) In <i>Student_Data</i>, enter a list of 15 students with: Name, Roll No, Class, City, Subject1, Subject2, Subject3.</p> <p>c) Use Flash Fill to split "Full Name" into "First Name" and "Last Name".</p> <p>d) Use Find & Replace to replace city name "Delhii" with correct "Delhi".</p> <p>e) Use IF function to calculate Pass/Fail (Pass = total \geq 120).</p> <p>f) Use COUNTIF to find how many students belong to "Delhi".</p> <p>g) Use AVERAGE, MAX, MIN to analyze marks in the <i>Marks_Analysis</i> sheet.</p> <p>h) On the <i>Charts</i> sheet, create:</p> <ul style="list-style-type: none"> i. A Bar Chart showing marks of any one subject. ii. A Pie Chart showing 	19-12-2025	

	<p>percentage of pass vs fail.</p> <p>i) Apply Conditional Formatting to highlight marks < 40 in red.</p> <p>j) Convert the table into a formatted Excel Table.</p>		
14.	<p>Build a workbook for managing and analyzing sales data of a small store.</p> <p>a) Create a workbook with sheets:</p> <ul style="list-style-type: none"> I. <i>Store_Sales</i> II. <i>Summary</i> III. <i>Charts</i> <p>b) Import a CSV sales file (or create a sample table) containing: Date, Product, Category, Quantity, Price, Total Sales.</p> <p>c) Use Sort (A→Z, Z→A) to organize products by name and category.</p> <p>d) Apply Filter to view only "Electronics" category.</p> <p>e) Use SUMIF to find total sales for a selected product (e.g., "Headphones").</p> <p>f) Use LEFT, RIGHT, MID to extract:</p> <ul style="list-style-type: none"> I. First 3 letters of the product name II. Last 2 letters of the category <p>g) Find the highest and lowest sales value using MAX/MIN.</p> <p>h) Prepare a monthly sales summary in the <i>Summary</i> sheet using AVERAGE & SUM.</p> <p>i) Create a Line Chart of month-wise total sales in the <i>Charts</i> sheet.</p> <p>j) Apply sheet protection so data</p>	24-10-2025	

	cannot be edited accidentally.		
15.	<p>Create a complete personal financial planner workbook.</p> <p>a) Create and rename sheets as:</p> <ul style="list-style-type: none"> a. Expenses b. Budget c. Charts <p>b) Enter at least 20 rows of expense data: Date, Category, Expense Detail, Amount, Payment Method.</p> <p>c) Use Data Validation dropdown to create a category list (Food, Travel, Fees, Shopping, Other). d)</p> <p>Use Remove Duplicates on the Category column if repeated incorrectly.</p> <p>e) Use SUMIF to calculate total spending for each category.</p> <p>f) In the <i>Budget</i> sheet, create the monthly budget and compare with actual expenses using:</p> $\text{Difference} = \text{Budget} - \text{Actual} \text{ (formula required)}$ <p>g) Highlight expenses above ₹2000 using Conditional Formatting.</p> <p>h) Create:</p> <ul style="list-style-type: none"> i. A Pie Chart showing category-wise spending ii. A Bar Chart comparing <i>Budget vs Actual</i> iii. Use Flash Fill to separate date into Day / Month / Year if needed. Also explain its detail 	29-12-2025	

EXPERIMENT – 1

OBJECTIVE: - Design a professional resume using templates.

RAHUL KANJI PARPANI

Student

PROFILE

An adventurous person like to explore new things as well write them while being in fictional world , loves to code solve and create.

CONTACT ME

-  9009488747
-  guju.rahul@yahoo.com
-  Vaishali nagar,
Bhilai

► EDUCATION

SCHOOL:- SHAKUNTALA VIDYALAYA

Commerce+ Cs

**RUNGTA INTERNATIONAL SKILLS
UNIVERSITY**

Bca AI ML

► LANGUAGE

Basic english

► COMPUTER SKILLS

- 1.Html
- 2.C
- 3.Python
- 4.My sql

EXPERIMENT – 2

OBJECTIVE: – Create a Career Oriented Presentation with 7 slides using transitions and animations.

Zero to Offer: MNC Developer Roadmap

Target: Google, Microsoft, Amazon

A strategic, step-by-step guide to cracking the coding interview and landing a role at a top-tier tech company.



| Why Top Tier MNCs?

It's not just about the name on the resume. Working at "FAANG" or "MANG" level companies offers specific advantages:

 **Scale:** Work on systems serving billions of users.

 **Mentorship:** Learn from the best engineers in the industry.

 **Compensation:** Top-tier salary and stock options.

 **Impact:** Build tools that shape the future of tech.

| Step 1: The Foundation



Language Mastery

Pick ONE major language (Java, C++, Python) and master its standard library and memory management.



DSA Core

Understand Big O notation. Master Arrays, Linked Lists, Stacks, Queues, Trees, and Graphs.



CS Fundamentals

Don't ignore OS, DBMS, and Networks. These are crucial for understanding how code actually runs.



| Step 2: System Design

Thinking at Scale

For mid-level and senior roles (and increasingly juniors), you must understand how to build scalable systems.

Key Concepts:

- Load Balancing & Consistent Hashing
- Caching Strategies (Redis/Memcached)
- Database Sharding & Replication
- Microservices vs Monoliths

| Step 3: The Practice Grind

-  **LeetCode / HackerRank:** Solve 200+ problems. Focus on patterns (Sliding Window, Two Pointers, DFS/BFS) rather than memorizing solutions.
 -  **Timed Mock Tests:** Simulate real interview pressure. Aim to solve Medium problems in 20 minutes and Hards in 35–40 minutes.
 -  **Think Out Loud:** Interviewers judge your thought process, not just the final code. Practice explaining your logic while you type.

Step 4: Build Your Brand

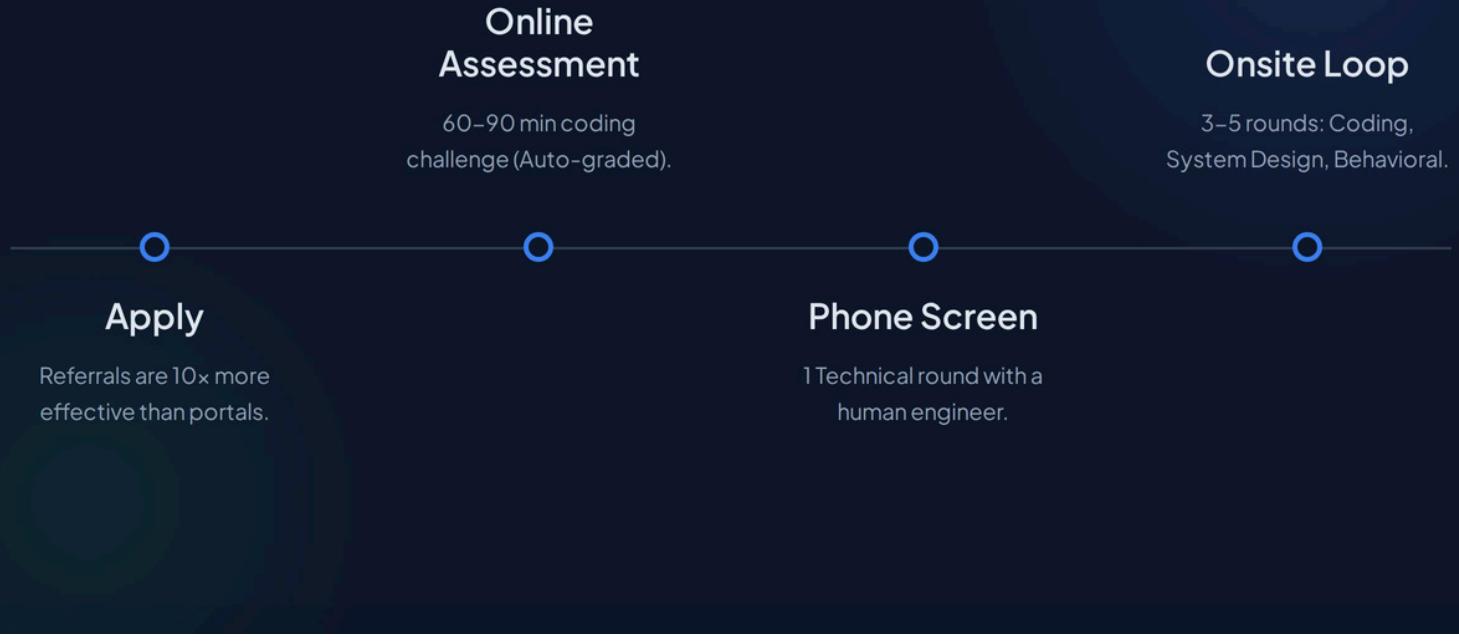
Stand Out From the Pile

Recruiters scan resumes in 6 seconds. Your digital footprint acts as proof of work.

- GitHub:** Green squares matter. Show consistent contribution to open source or personal projects.

- LinkedIn:** Optimize your headline with keywords (e.g., "Software Engineer | Java | React").

| The Interview Pipeline



| Step 5: Behavioral Rounds

Don't Ignore "Soft" Skills

At Amazon, this is "Leadership Principles". At Google, it's "Googleness". Companies hire people they want to work with.

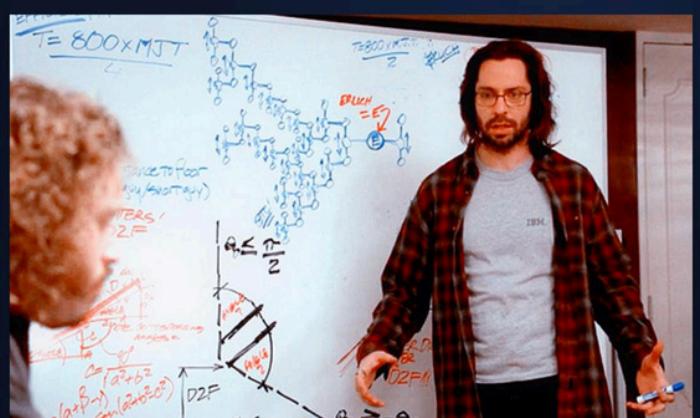
The STAR Method:

Situation: Set the scene.

Task: What was your responsibility?

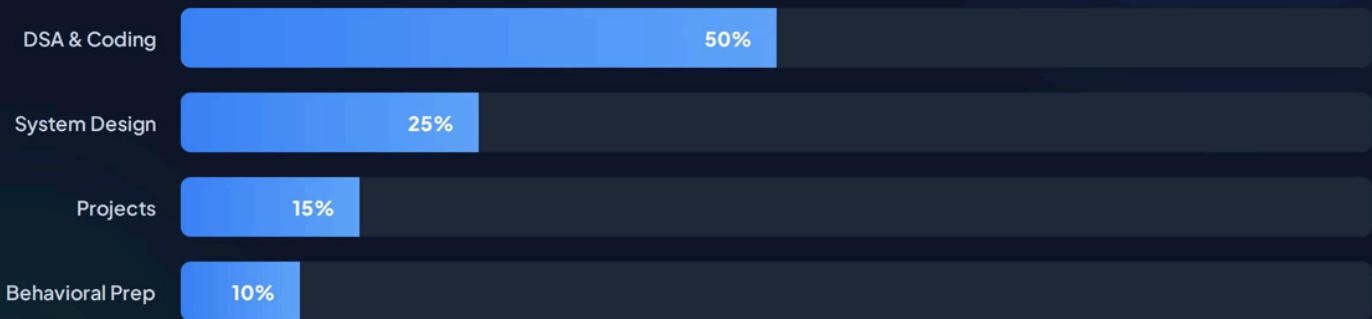
Action: What specific steps did YOU take?

Result: Quantifiable outcome (e.g., "Reduced latency by 20%").



Preparation Time Allocation

Where should you spend your energy during the 3–6 month prep phase?



"Talk is cheap. Show me the code."

— Linus Torvalds

EXPERIMENT – 3

OBJECTIVE: - Create a social media poster for “DIGITAL AWARENESS WEEK” using Canva.



EXPERIMENT – 24

OBJECTIVE: - Compose & send a professional email with an attachment as “you are applying for an internship, send email to HR with your resume attached”.

Application for Software Developer Position



Rahul Kanji Parpani <rahul.kanji.parpani@rungta.org>
to priya.das@rungta.ac.in ▾

Thu, Nov 13, 2025, 3:24PM



Dear :- HR

I am writing to express my interest in the Software Developer Engineer (SDE) position at your esteemed organization. I have recently completed my Bachelor of Computer Applications (BCA), where I gained a solid foundation in programming languages like Java, Python, and C, as well as hands-on experience in web development, database management, and object-oriented programming.

During my academic projects, I developed A webpage so to help peoples at the college studies which strengthened my problem-solving and logical thinking skills. I am eager to contribute these skills to real-world software development challenges.

What excites me most about your company is the emphasis on innovation and continuous learning — qualities that align perfectly with my passion for coding and personal growth. I am confident that my enthusiasm, quick learning ability, and team-oriented mindset would make me a valuable addition to your development team.

I would appreciate the opportunity to discuss how I can contribute to your projects and goals. Thank you for considering my application.

Sincerely,
Rahul kanji parpani
BCA Graduate | Software Developer Aspirant
9009488747
parpanirahul@gmail.com
https://www.linkedin.com/in/rahul-parpani-3b113237b?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app

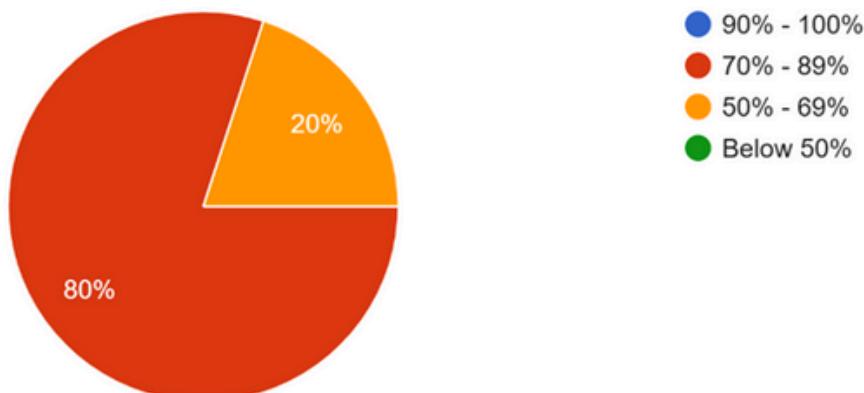
EXPERIMENT – 5

OBJECTIVE: - Design a complete Google Form survey and analyse responses.

- a) Create a Google Form titled “Student Attendance Report”.**
- b) Include the following question types:**
 - i. 5 MCQs
 - ii. 1 Rating scale (1–5)
 - iii. 1 Short answer
 - iv. 1 Checkbox question
- c) Customize the theme (header image + colour).**
- d) Share the form link with 5 friends and collect responses.**
- e) Generate charts from responses and take screenshots of the analysis page.**

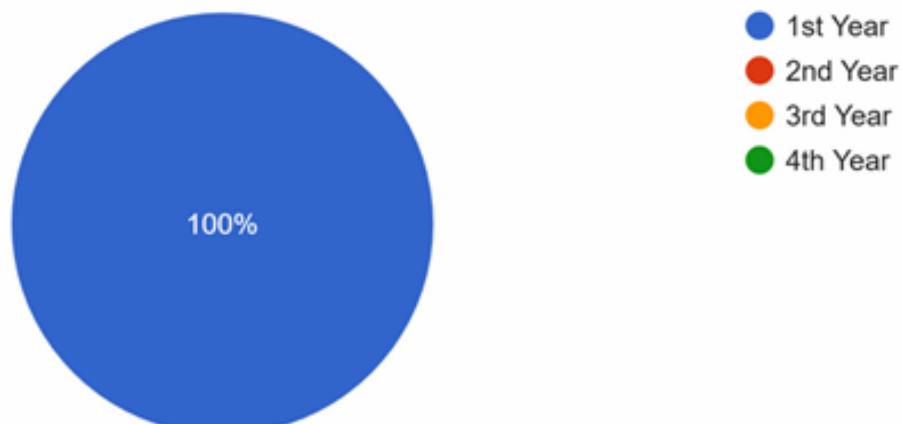
1. On average, what is your current attendance percentage?

5 responses



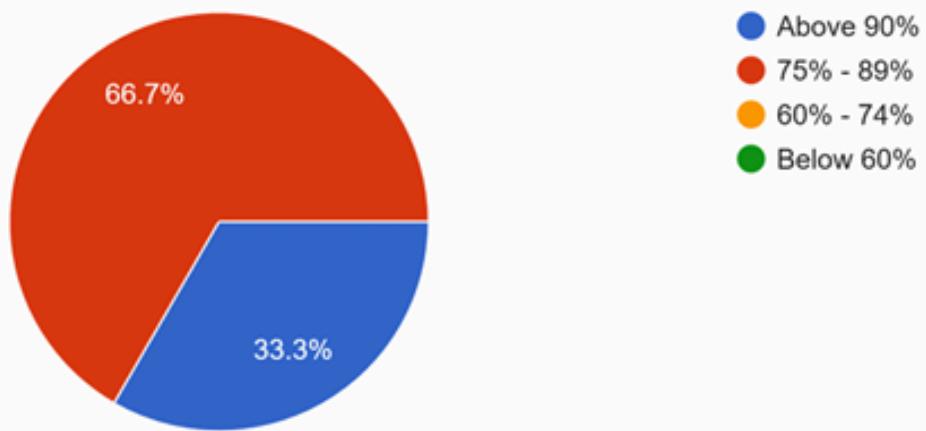
Year/Semester

3 responses



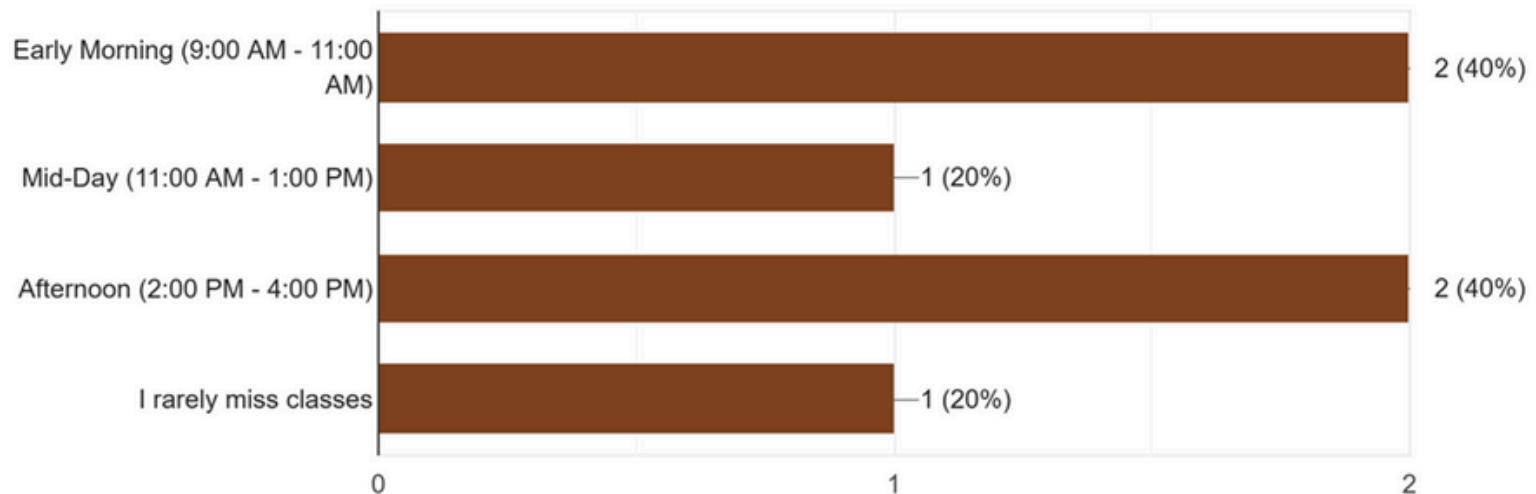
Attendance Status for this month

3 responses



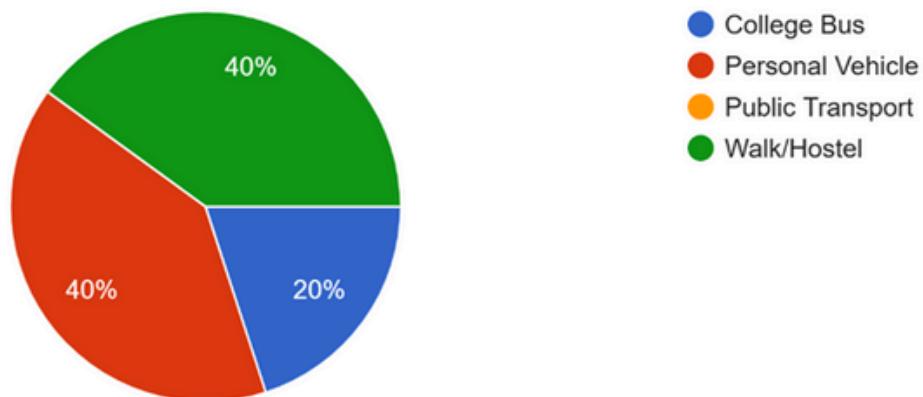
2. Which time slot are you most likely to miss?

5 responses



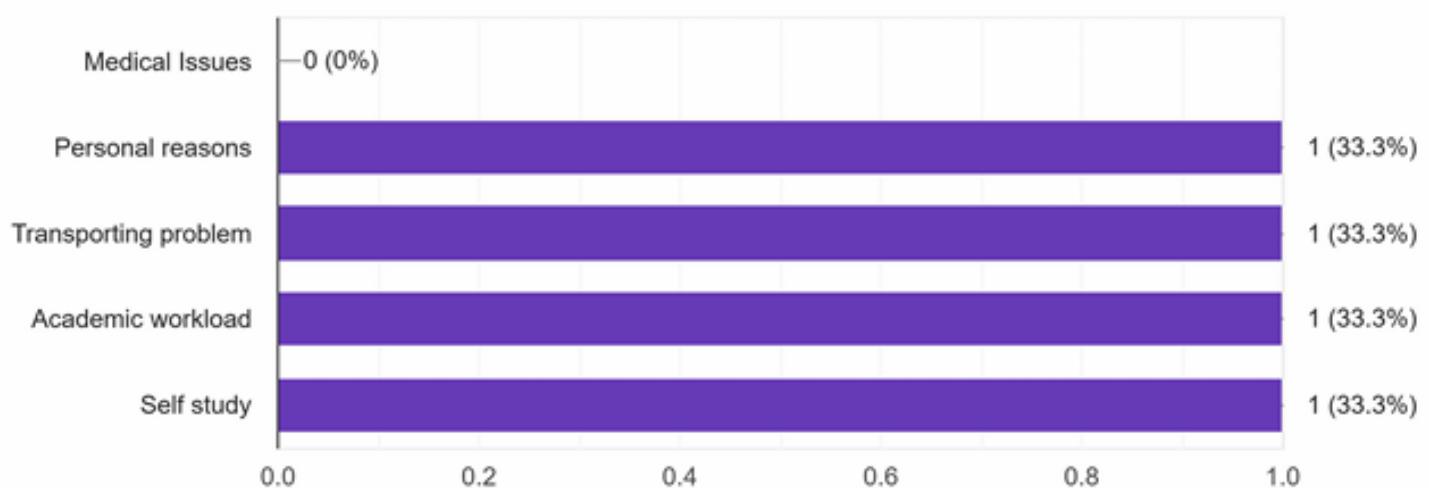
3. How do you usually commute to college?

5 responses



Reason for Absence(if any)

3 responses



EXPERIMENT – 6

OBJECTIVE: - Demonstrate the creation and management of your digital identity.

a) Create a social media profile (LinkedIn preferred).

b) Add a profile photo, short bio, skills, and education details.

The screenshot shows a LinkedIn profile page for a user named Rahul (kanji) Parpani. The profile picture is a circular image of a young man with glasses and a white shirt. The bio section includes the name "Rahul (kanji) Parpani" with a verified checkmark, gender "He/Him", and a statement: "starting my journey of becoming a software developer by studying BCA at rungta university Bhilai, Chhattisgarh, India · Contact info". Below the bio are "41 connections" and three buttons: "Open to", "Add profile section", and "Resources". To the right of the profile, there's a sidebar with profile settings: "Profile language" set to English, "Public profile & URL" showing the link www.linkedin.com/in/rahul-parpani-3b113237b, and a section titled "Who your viewers also viewed" listing three other users with their names and institutions: "Someone at Rungta College of...", "Someone at Indian Institute of...", and "Someone at Rungta College of...". A promotional banner at the bottom encourages "Stand out to employers" with a "Reactivate Premium: 50% Off" offer.

c) Create a simple post about “My Learning Journey in Digital Literacy.”

All activity

Posts Comments Images Documents Reactions

 **Rahul Parpani**  • You
starting my journey of becoming a software developer by studying B...
now • 

Embracing the Digital World: My Journey in Digital Literacy 
We live in a world where technology evolves every single day. Recently, I decided to focus on improving my Digital Literacy, and it has been a rewarding experience.
For me, this journey wasn't just about learning new software or shortcuts; it was about understanding how to use technology effectively to solve problems and work smarter.
Key takeaways from my learning curve:

- Building confidence with new digital tools.
- Understanding the importance of adaptability.
- Realizing that learning is a continuous process.

I'm excited to keep exploring and applying these skills to future challenges.
Onwards and upwards!  
#DigitalLiteracy #ContinuousLearning #TechSkills #Growth #StudentJourney
Would you like me to make it shorter or more formal?

 Like  Comment  Repost  Send

- d) Change your privacy settings to:**
- e) Who can see your posts.**
- f) Who can message you**



Analytics & tools

Tuesday, January 13

Analytics

126

Post impressions

▲ 41.6% past 7 days

40

Followers

▲ 8.2% past 7 days

42

Profile viewers

Past 90 days

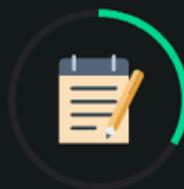
14

Search appearances

Previous week

Weekly sharing tracker

Increase your visibility by posting or commenting. We suggest taking **3 actions every week**.



Jan 12-Jan 18

1 of 3 actions

Take 2 more actions to achieve the weekly sharing goal.

Who's viewed your profile

Past 90 days

42

Profile viewers in the past 90 days



1 works at Dravya: Finance and Investment Cell

[View](#)



1 works at rungta international

[View](#)



1 works at Rungta College of Engineering & Technology Kohka-Kurud Bhilai

[View](#)



13 found you through My Network

[View](#)

EXPERIMENT – 7

OBJECTIVE: - Using Google Drive or OneDrive:

- a) Create a new folder named “Unit 3 Practical Work”.**
- b) Upload 3 different files (PDF, image, document).**
- c) Organize them in subfolders: Notes, Images, Assignments.**
- d) Share the main folder with your teacher with View Only permission.**

My Drive > UNIT 3 practical work

Name	Owner	Date modified	File size
download.jpg	me	9:07 PM me	8 KB
Rahul kanji parpani-C V	me	Nov 13, 2025 me	155 KB

1 upload complete
download.jpg

Share "UNIT 3 practical work"

Name	Owner	File size
downloaded-file.jpeg	me	118 KB
Kyu banega crorepati (KBC)	me	1 KB
RahulKanjiParpani_11078_C	me	352 KB
RahulKanjiParpani_11078_H	me	311 KB
Yellow Orange and Teal Cre	me	381 KB

Done

1 upload complete
download.jpg

EXPERIMENT – 8

OBJECTIVE: - Identify one real phishing email: A final-year student, Aman, receives a LinkedIn message saying:

"You are shortlisted for a Remote Software Developer role at Google.

Salary: ₹18 LPA. Pay ₹2,499 as verification fee. Limited seats. Pay now to confirm."

ANSWER THE QUESTIONS: –

- a. What type of cybercrime is happening here?**
- b. List of 3 red flags that show it is a scam.**
- c. What should he do to verify if a job offer is real?**

a) What type of cybercrime is happening here? This is phishing (job scam / online fraud). The attacker is pretending to be Google to trick Aman into paying money

b) List 3 red flags that show it is a scam?

1. Asking for money – Real companies like Google never ask candidates to pay a “verification fee.”

2. Too good to be true salary – ₹18 LPA for a random LinkedIn message without interviews is unrealistic.

3. Urgency and pressure – “Limited seats, pay now” is used to force quick, careless decisions

c) What should he do to verify if a job offer is real?

- i. Check Google's official careers website for the same job.**
- ii. Contact Google through official email or LinkedIn page.**
- iii. Never pay any money and report the message to LinkedIn**

Assignment - 9

OBJECTIVE :- Create a Google Form Quiz with the following requirements:

- a) Convert the form into a Quiz mode with automatic grading.**
- b) Add 5 MCQ questions, each carrying 2 marks.**
- c) Add 1 short answer question that requires manual evaluation.**
- d) Turn ON the setting: a. Limit to 1 response b. Shuffle question order c. Release marks after manual review**
- e) Add a timer add-on (like form presenter) and set up a 10 minute time limit.**
- f) Finally, send the quiz link and view the response summary**

General Knowledge Quiz

Test your knowledge with 5 Multiple Choice Questions (2 marks each) and 1 Short Answer question. Total time limit: 10 minutes.

* Indicates required question

Email *

Record parpanirahul@gmail.com as the email to be included with my response

Which planet is known as the 'Red Planet'?

2 points

- Jupiter
- Mars
- Venus
- Saturn

Who wrote the play 'Romeo and Juliet'?

2 points

Who wrote the play 'Romeo and Juliet'?

2 points

- Charles Dickens
- William Shakespeare
- Jane Austen
- Mark Twain

What is the chemical symbol for Gold?

2 points

- Ag
- Au
- Fe
- Cu

Briefly explain the concept of photosynthesis.

Your answer

How many continents are there in the world?

2 points

Choose



What is the capital of Australia?

2 points

- Sydney
- Melbourne
- Canberra
- Perth

[Submit](#)

[Clear form](#)

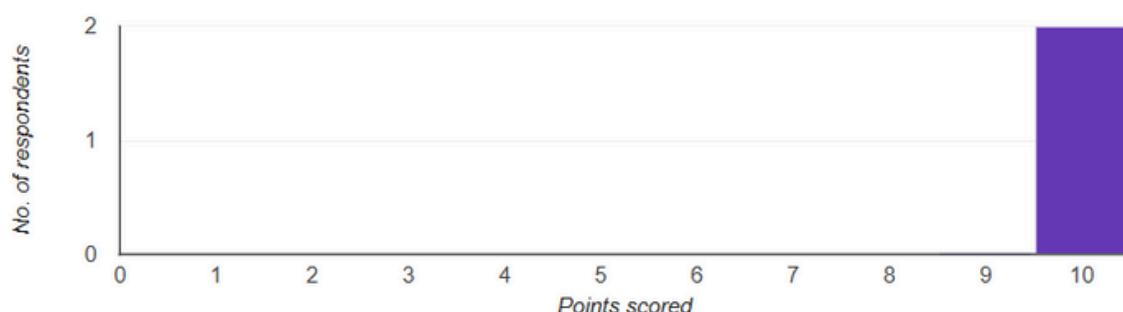
📊 Insights

Average
10/10 points

Median
10/10 points

Range
10-10 points

Total points distribution



📋 Scores

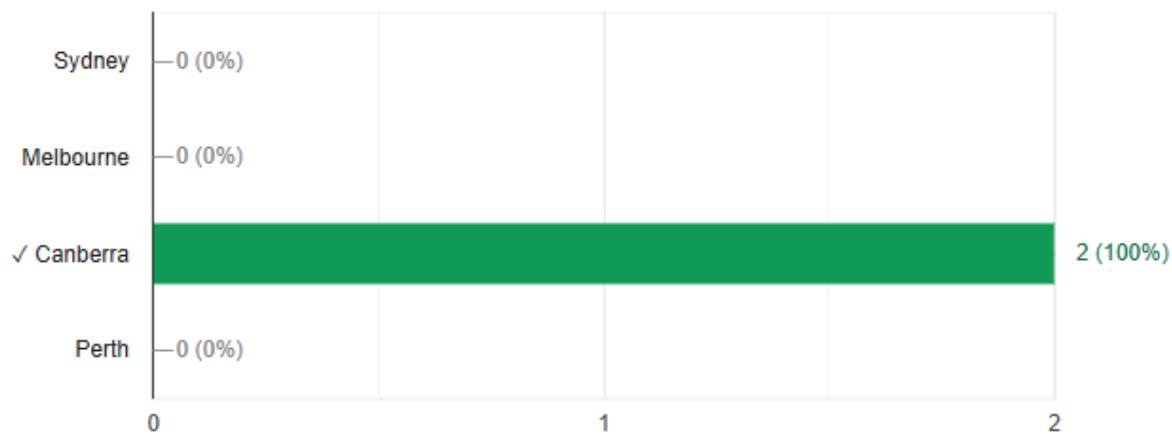
[Release scores](#)

Email	Score/10	Score released
divyansh61215@gmail.com	10	12 Jan 11:54
karanpaidumkar2007@gmail.com	10	12 Jan 11:54

What is the capital of Australia?

 Copy chart

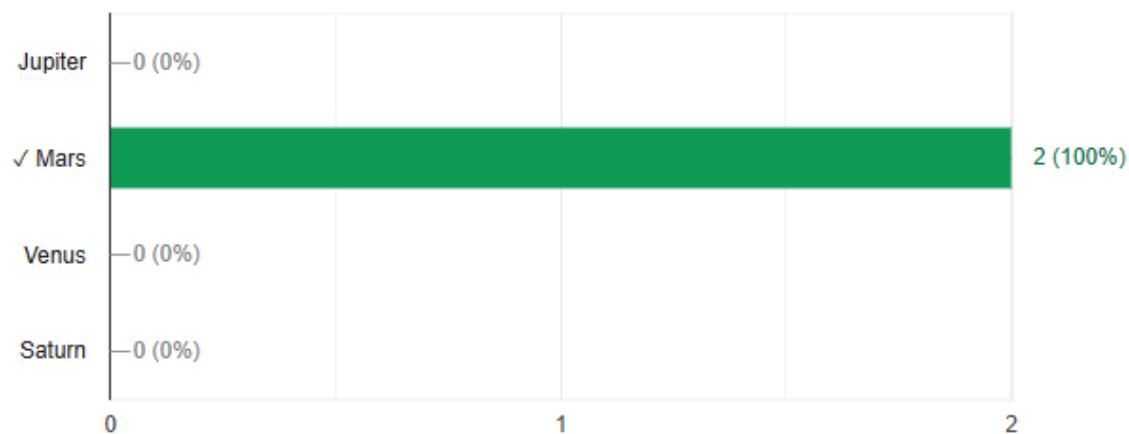
2 / 2 correct responses



Which planet is known as the 'Red Planet'?

 Copy chart

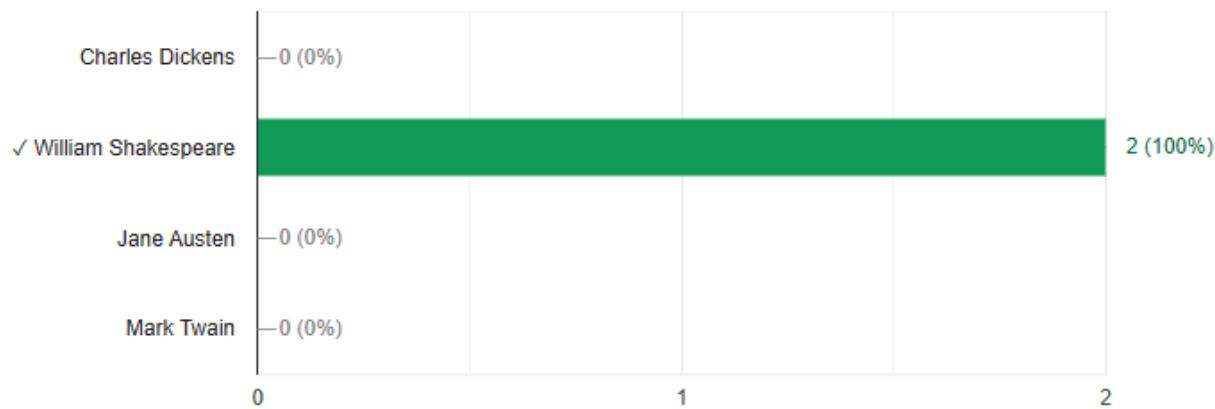
2 / 2 correct responses



Who wrote the play 'Romeo and Juliet'?

 Copy chart

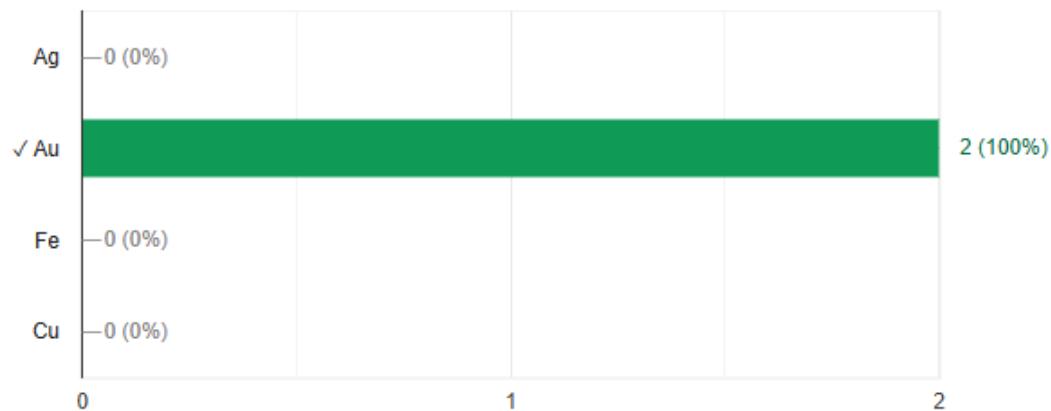
2 / 2 correct responses



What is the chemical symbol for Gold?

 Copy chart

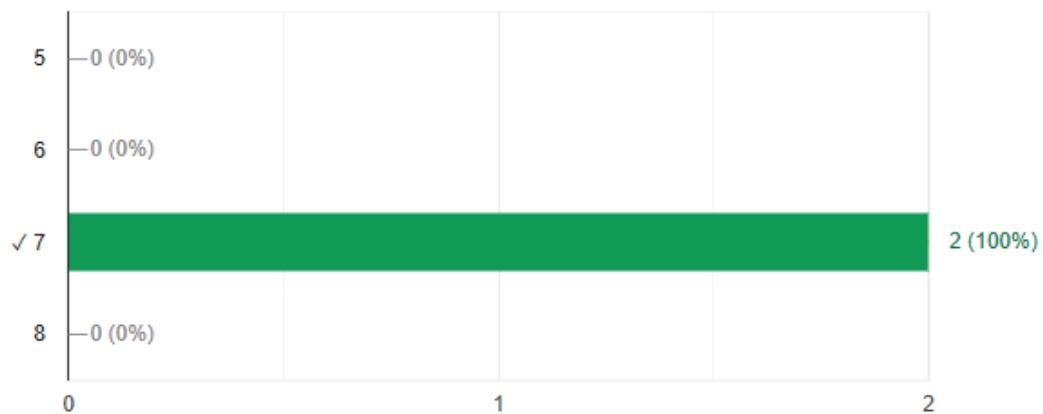
2 / 2 correct responses



How many continents are there in the world?

 Copy chart

2 / 2 correct responses



Briefly explain the concept of photosynthesis.

2 responses

Plant use sunlight, carbon dioxide from air and water from the soil to prepare food. it happens in leaves with the help of chlorophyll

photosynthesis, the process by which green plants and certain other organisms transform light energy into chemical energy. During photosynthesis in green plants, light energy is captured and used to convert water, carbon dioxide, and minerals into oxygen and energy-rich organic compounds

Assignment-10

**OBJECTIVE :- Ask ChatGPT OR Google Gemini to generate a 100–120 word paragraph on:
“Is online learning better than offline learning for college students?”**

- a) Run the AI-generated text through Grammarly and any plagiarism check tool.**
- b) Now manually search online to check if similar sentences exist on blogs or articles.**
- c) Identify 2–3 biased statements in the AI answer, such as:** i. Over generalizations ii. One-sided opinions iii. Unproven claims
- d) Rewrite the entire paragraph in a neutral and balanced way, using AI only for grammar suggestions.**
- e) Submit 3 screenshots:** i. Plagiarism check result ii. Grammarly suggestion page iii. Original AI 29-11-2025 paragraph vs your rewritten unbiased version

CHATGPT GENERATED:-

There is no single winner because online and offline learning serve completely different needs. Online learning is superior for flexibility and cost-efficiency. It allows students to learn at their own pace from anywhere, making it ideal for self-disciplined individuals or those balancing a job. However, it often leads to isolation and requires high self-motivation to keep up. Conversely, offline learning remains the gold standard for structure, networking, and the full "college experience." The physical campus environment builds essential soft skills, fosters deep friendships, and provides a focused routine that many students need to succeed. Ultimately, choose online if you prioritize freedom and budget, but choose offline if you need discipline, hands-on guidance, and strong social connections

Plagiarism checker

Plagiarism Checker Check Grammar AI Detector Pro

Scan Properties

Sources Found	0
Words	116
Characters	808

View More Details

Plagiarism **0%**

0% Exact Match
0% Partial Match

Unique **100%**

There is no single winner because online and offline learning serve completely different needs. Online learning is superior for flexibility and cost-efficiency. It allows students to learn at their own pace from anywhere, making it ideal for self-disciplined individuals or those balancing a job. However, it often leads to isolation and requires high self-motivation to keep up.

Conversely, offline learning remains the gold standard for structure, networking, and the full "college experience." The physical campus environment builds essential soft skills, fosters deep friendships, and provides a focused routine that many students need to succeed. Ultimately, choose online if you prioritize freedom and budget, but choose offline if you need discipline, hands-on guidance, and strong social connections.

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116 Words Analysis complete

88% of text is likely AI
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Feedback

AI-generated
Human-written & AI-refined
Human-written

AI Human

88% 0% 12%

WRITTEN BY ME:-

Everything is for someone's suitability. Online and offline learning are both good by the fact that one can be accessed anywhere and the other can involve practical-based learning. Online learning is generally cost-efficient and can be done from any corner of the world, but distractions can make it harder to study online.

But the original way, offline learning, is best, as it involves networking, physical involvement, and focus. Some students require that physical college environment to study and focus, as it is old and a fun way to learn.

Both ways are good. If you want freedom and a budget-friendly option, go for online, and if you want a disciplined and social environment, go for offline.

Plagiarism checker

The screenshot shows a plagiarism checker interface with the following details:

- Scan Properties:**
 - Sources Found: 0
 - Words: 116
 - Characters: 700
- Plagiarism:** 0%
 - Exact Match: 0%
 - Partial Match: 0%
- Unique:** 100%

Below the interface, three text snippets are displayed:

- Text 1:** Everything is for someone's suitability. Online and offline learning are both good by the fact that one can be accessed anywhere and the other can involve practical-based learning. Online learning is generally cost-efficient and can be done from any corner of the world, but distractions can make it harder to study online.
- Text 2:** But the original way, offline learning, is best, as it involves networking, physical involvement, and focus. Some students require that physical college environment to study and focus, as it is old and a fun way to learn.
- Text 3:** Both ways are good. If you want freedom and a budget-friendly option, go for online, and if you want a disciplined and social environment, go for offline.

Illustration: A person sitting at a desk with a laptop, working on a document with a checklist. The text "Congratulations! No Plagiarism Found" is displayed below the illustration.

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116 Words

Analysis complete

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AI-generated ⓘ 0%

Human-written & AI-refined ⓘ 0%

Human-written ⓘ 100%

Want your text to sound more authentic?

Assignment-11

OBJECTIVE :- To compare AI-generated content with student-created content and understand limitations of AI.

- a) Write a 100–150 word paragraph on the topic: “Will AI replace jobs or change them?”
(This must be written by the student.)
- b) Ask any AI tool (ChatGPT/Gemini/Copilot) to write the same topic.
- c) In your practical copy, create a Comparison Table with the headings:
 - i. Human-Generated Content ii. AI-Generated Content

AI-Generated

Will AI replace jobs or change them? (AI-generated)

Artificial Intelligence is transforming the modern workplace and is expected to significantly impact employment. While AI may replace certain jobs that involve repetitive and predictable tasks, it is more likely to change the nature of work rather than eliminate it entirely. Many industries are adopting AI to improve efficiency, accuracy, and productivity. As a result, new roles are emerging that require skills such as critical thinking, creativity, and technological expertise. AI can handle data analysis and automation, allowing humans to focus on problem-solving and innovation. However, workers must adapt by upgrading their skills to remain relevant in the evolving job market.

Overall, AI is reshaping jobs and creating new opportunities rather than completely replacing the human workforce.

Handwritten

Will AI replace jobs or change them? [written by me(a student)]

Artificial Intelligence is developing very fast, and many people believe it will replace human jobs. However, I think AI will mostly change jobs rather than completely replace them. AI can perform repetitive and time-consuming tasks more quickly, which helps workers become more efficient. For example, in offices, AI can manage data, but humans are still needed for decision-making and creativity. Some jobs may reduce, especially those that depend only on routine work, but new jobs will also be created in AI development, maintenance, and supervision. People will need to learn new skills to work with AI technology. Therefore, instead of fearing job loss, students should focus on improving their skills. AI should be seen as a tool that supports humans, not a replacement for them.

Comparison Table

ASPECTS	Human-Generated Content	AI-Generated Content
Writing Style	Simple, Personal, Student-like	Formal, Polished, Professional
Language	Natural and Straightforward	Advanced and Structured
Ideas	Based on personal understanding	Based on general knowledge
Creativity	Original thoughts and opinions	Well-Organised but generic
Emotional Touch	Present(fear, hope, opinion)	Limited Emotional depth
Limitations	May have grammar issues	Lacks personal experience

EXPERIMENT – 12

OBJECTIVE: - Create a new Notebook LM project titled: “My Chapter Revision Notes.”

(a) Upload multiple sources (any 2) such as:

i. PDF notes

ii. Web articles

iii. Text copied into Notebook LM

(b) Ask Notebook LM to:

i. Create a combined study guide using all sources.

ii. Generate flashcards for quick revision.

iii. Create a concept map or explanation of the topic.

Manually check for:

i. Any incorrect facts

ii. Repeated information

iii. Missing important points

Attach 3 screenshots from Notebook LM:

i. Combined study guide

ii. Flashcards

iii. Concept map / explanation

The screenshot shows the Notebook LM application interface. The top navigation bar includes 'Create notebook', 'Analytics', 'Share', 'Settings', 'PRO', and a user icon. The main sections are:

- Sources:** A sidebar with a '+ Add sources' button. It shows a 'Try Deep Research' card and two selected sources: 'Combinational Logic Circuits...' and 'Unit -3 combinational circuit...'. There are search and filter options.
- Chat:** A central panel with a message: 'Create a combined study guide using all uploaded sources. Explain concepts clearly with headings and bullet points.' Below it is a text input field 'Start typing...' and a 'Convert to source' button.
- Studio Note:** A right-hand panel titled 'New Note' with a rich text editor toolbar. It displays the heading 'Studio > Note'.

My Chapter Revision Notes

+ Create notebook Analytics Share Settings PRO

Sources

+ Add sources

Try Deep Research for an in-depth report and new sources!

Search the web for new sources

Web Fast Research

Select all sources

Combinational Logic Circuits - PanTech... ✓

Unit -3 combinational circuit.pdf ✓

Chat

sources.

1. Fundamentals of Combinational Logic

Definition and Characteristics

- Core Concept: A combinational logic circuit is a digital circuit where the output depends exclusively on the current state of the inputs at that specific moment [1](#) [2](#).
- No Memory: Unlike sequential circuits, combinational circuits have no memory element; they cannot store previous states or "remember" past inputs [3](#), [4](#).
- Building Blocks: They are constructed using fundamental logic gates (AND, OR, NOT, NAND, NOR) [5](#). NAND and NOR are considered "universal gates" because any combinational circuit can be built using only them [5](#).
- Block Diagram: A generalized circuit has n input variables and m output variables [2](#).

Design Procedure To design a combinational circuit, follow these standard steps [2](#):

- State the Problem: Understand the required function.
- Determine Variables: Identify the number of available input variables and required output variables.
- Assign Symbols: Give letter symbols to inputs and outputs (e.g., A, B, Sum, Carry).
- Truth Table: Create a table defining the relationship between inputs and outputs for all possible combinations (2^n combinations for n inputs).
- Simplification: Obtain the simplified Boolean function for each output using Boolean algebra or Karnaugh Maps (K-Maps) [6](#), [2](#).
- Logic Diagram: Draw the circuit using basic logic gates based on the simplified functions.

Start typing...

2 sources

Studio

Create an Audio Overview in: [Word](#), [Google Sheets](#), [Google Slides](#), [Google Docs](#), [Beamer](#)

Audio Overview Video Overview

Mind Map Reports

Flashcards Quiz

Infographic Slide Deck

Data Table

Architectures of Memoryless Digital Circuits [2 sources · 3m ago](#)

Combinational Flashcards [2 sources · 4m ago](#)

New Note [9m ago](#)

Add note

Combinational Flashcards

Based on 2 sources

Press "Space" to flip, "← / →" to navigate

What is the defining characteristic of a combinational logic circuit's output?

See answer

Restart 1 / 62 cards

Good content Bad content

Combinational Flashcards

Based on 2 sources

Combinational circuits have no memory to store previous input states, whereas sequential circuits do.

Explain

Restart

2 / 62 cards

Download

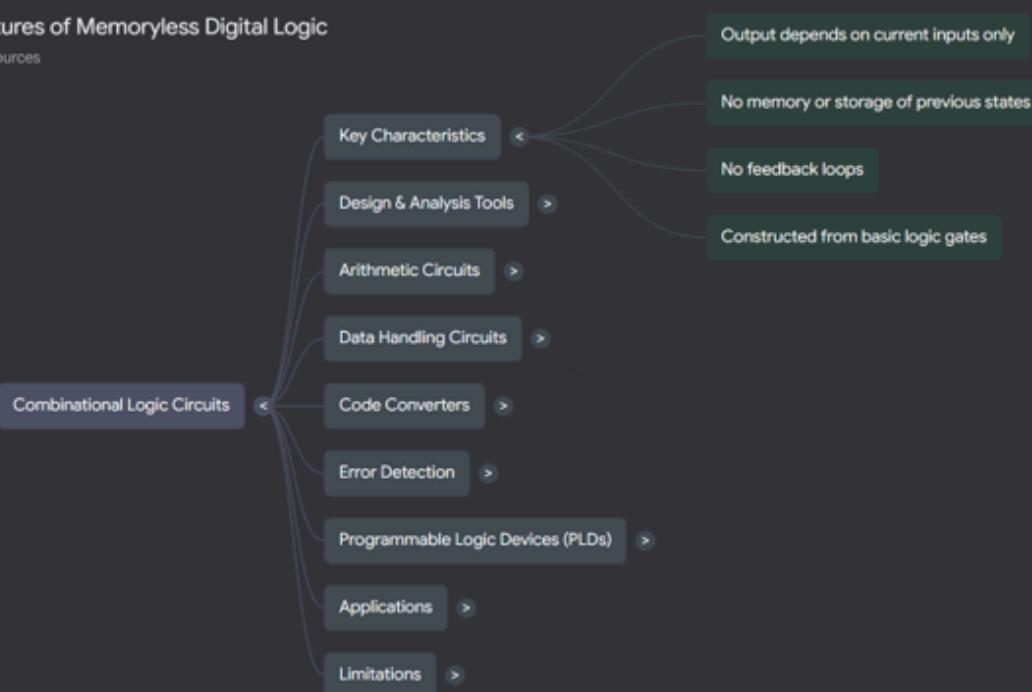
Good content

Bad content

Notebook AI can be inaccurate, please double check its responses.

Architectures of Memoryless Digital Logic

Based on 2 sources



Good content

Bad content

Notebook AI can be inaccurate, please double check its responses.

EXPERIMENT – 13

OBJECTIVE: – Create a complete Student Result Management workbook.

(a) Create a new workbook with 3 sheets renamed as:

- i. Student Data**
- ii. Marks Analysis**
- iii. Charts**

(b) In Student Data, enter a list of 15 students with:

(c) Name, Roll No, Class, City, Subject1, Subject2, Subject3.

(d) Use Flash Fill to split “Full Name” into “First Name” and “Last Name”.

(e) Use Find & Replace to replace city name “Delhii” with correct “Delhi”.

(f) Use IF function to calculate Pass/Fail (Pass = total ≥ 120).

(g) Use COUNTIF to find how many students belong to “Delhi”.

(h) Use AVERAGE, MAX, MIN to analyse marks in the Marks Analysis sheet.

(i) On the Charts sheet, create:

i. A Bar Chart showing marks of any one subject.

ii. A Pie Chart showing percentage of pass vs fail.

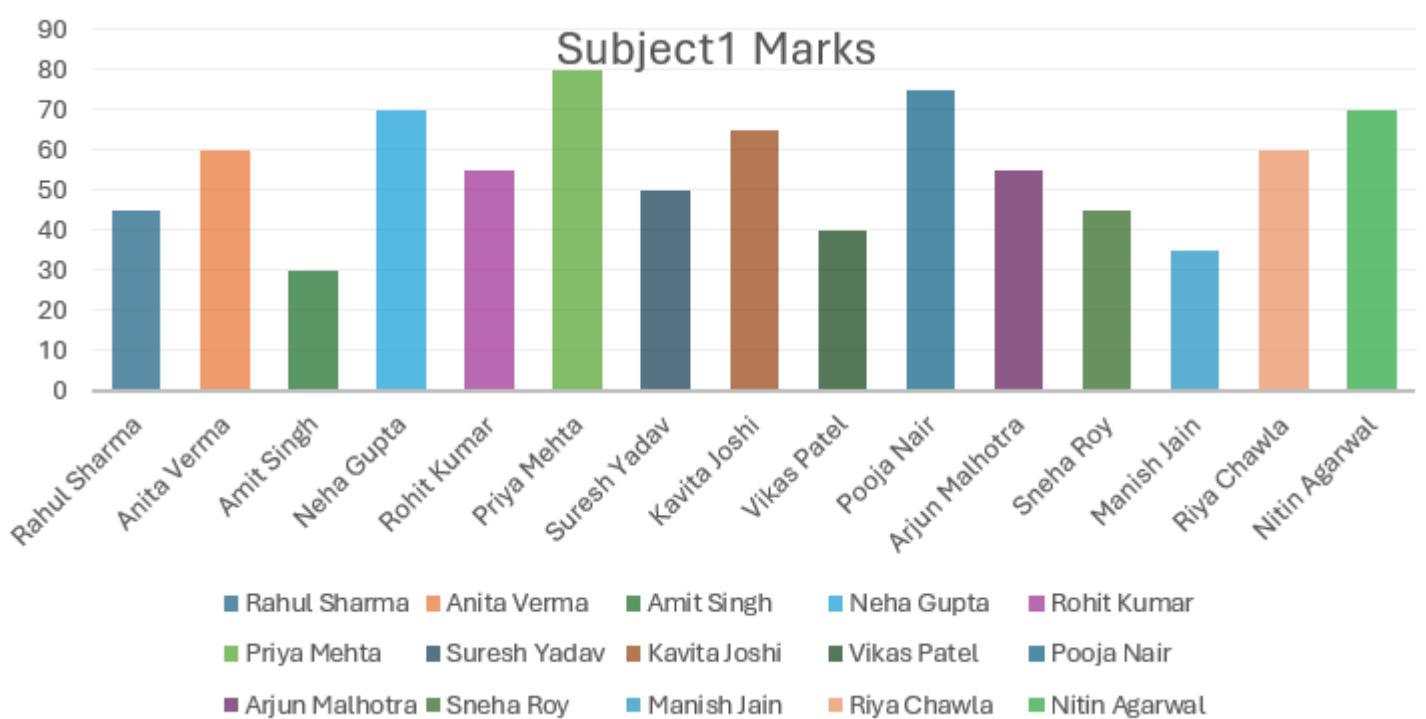
(j) Apply Conditional Formatting to highlight marks < 40 in red.

(k) Convert the table into a formatted Excel Table.

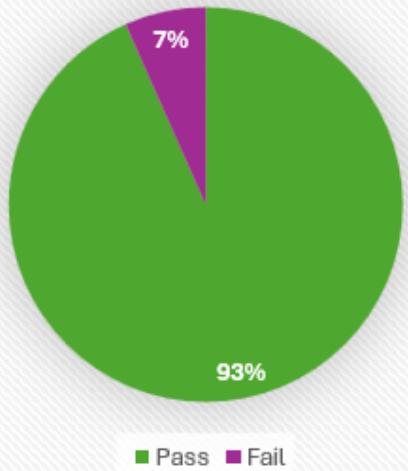
Full Name	Roll No	Class	City	Subject1	Subject2	Subject3	Total	Result
Rahul Sharma	1	10A	Delhii	45	50	40	135	Pass
Anita Verma	2	10A	Delhi	60	55	50	165	Pass
Amit Singh	3	10B	Delhii	30	40	45	115	Fail
Neha Gupta	4	10B	Mumbai	70	60	65	195	Pass
Rohit Kumar	5	10A	Delhi	55	40	35	130	Pass
Priya Mehta	6	10C	Delhii	80	75	70	225	Pass
Suresh Yadav	7	10C	Delhi	50	45	40	135	Pass
Kavita Joshi	8	10A	Pune	65	60	55	180	Pass
Vikas Patel	9	10B	Delhi	40	35	45	120	Pass
Pooja Nair	10	10C	Kochi	75	80	70	225	Pass
Arjun Malhotra	11	10A	Delhii	55	60	50	165	Pass
Sneha Roy	12	10B	Kolkata	45	50	55	150	Pass
Manish Jain	13	10C	Delhi	35	40	45	120	Pass
Riya Chawla	14	10A	Delhii	60	65	55	180	Pass
Nitin Agarwal	15	10B	Delhi	70	75	80	225	Pass

Subject	Average	Max	Min	Result	Count
Subject1	55.6666667	80	30	Pass	14
Subject2	55.3333333	80	35	Fail	1
Subject3	53.3333333	80	35		

Full Name	Roll No	Class	City	Subject1	Subject2	Subject3	Total	Result
Rahul Sharma	1	10A	Delhi	45	50	40	135	Pass
Anita Verma	2	10A	Delhi	60	55	50	165	Pass
Amit Singh	3	10B	Delhi	30	40	45	115	Fail
Neha Gupta	4	10B	Mumbai	70	60	65	195	Pass
Rohit Kumar	5	10A	Delhi	55	40	35	130	Pass
Priya Mehta	6	10C	Delhi	80	75	70	225	Pass
Suresh Yadav	7	10C	Delhi	50	45	40	135	Pass
Kavita Joshi	8	10A	Pune	65	60	55	180	Pass
Vikas Patel	9	10B	Delhi	40	35	45	120	Pass
Pooja Nair	10	10C	Kochi	75	80	70	225	Pass
Arjun Malhotra	11	10A	Delhi	55	60	50	165	Pass
Sneha Roy	12	10B	Kolkata	45	50	55	150	Pass
Manish Jain	13	10C	Delhi	35	40	45	120	Pass
Riya Chawla	14	10A	Delhi	60	65	55	180	Pass
Nitin Agarwal	15	10B	Delhi	70	75	80	225	Pass



Pass vs Fail



EXPERIMENT – 14

OBJECTIVE: - Build a workbook for managing and analyzing sales data of a small store.

(a) Create a workbook with sheets:

i. Store Sales

ii. Summary

(b) Import a CSV sales file (or create a sample table) containing: Date, Product, Category, Quantity, Price, Total Sales.

(c) Use Sort (A→Z, Z→A) to organize products by name and category.

(d) Apply Filter to view only “Electronics” category.

(e) Use SUMIF to find total sales for a selected product (e.g., “Headphones”).

(f) Use LEFT, RIGHT, MID to extract:

I. First 3 letters of the product name

II. Last 2 letters of the category

(g) Find the highest and lowest sales value using MAX/MIN.

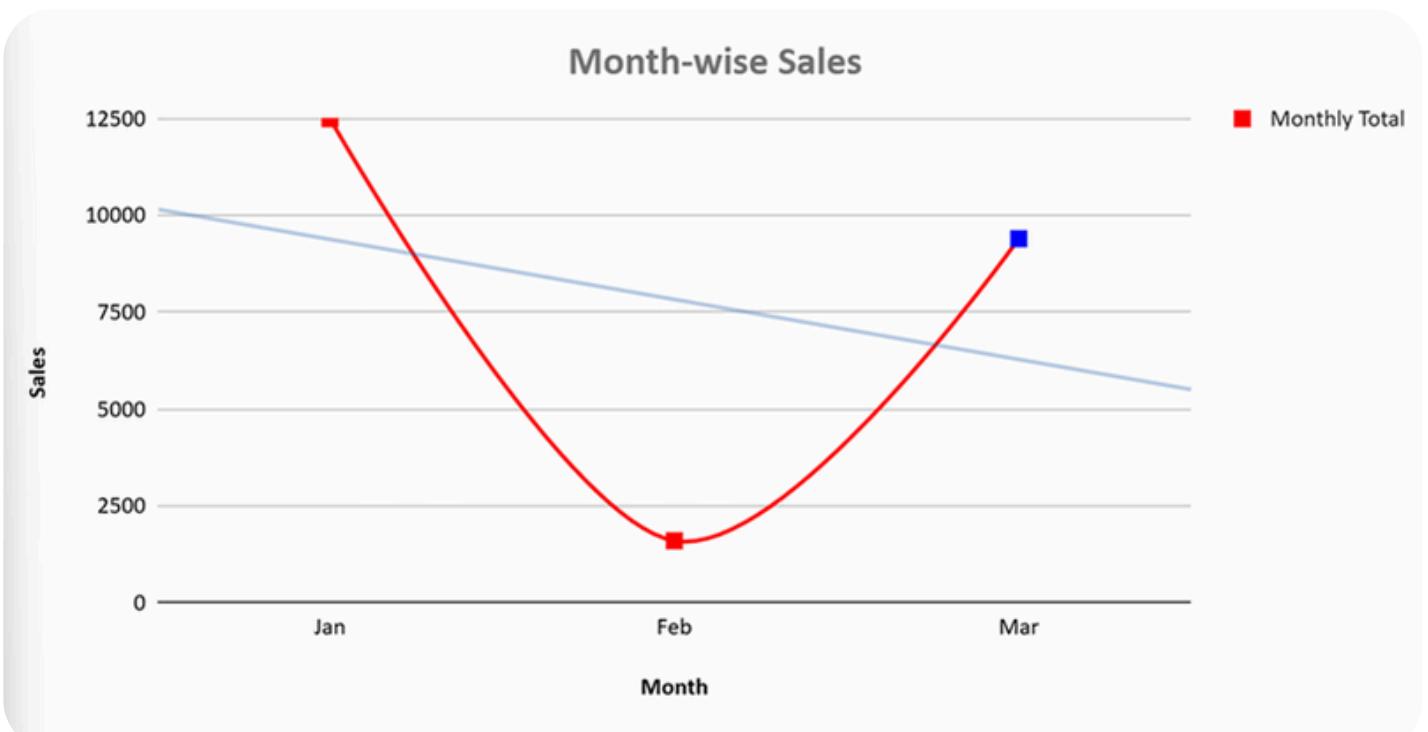
(h) Prepare a monthly sales summary in the Summary sheet using AVERAGE & SUM.

(i) Create a Line Chart of month-wise total sales in the Charts sheet.

(j) Apply sheet protection so data cannot be edited accidentally.

Date	Date	Date	Date	Date	Date	Date	Date	Date
5/1/2025	Headphones	Electronics	5	1500	7500	Hea		cs
12/1/2025	Mouse	Electronics	10	500	5000	Mou		cs
3/2/2025	Notebook	Stationery	20	80	1600	Not		ry
18/2/2025	Keyboard	Electronics	7	1200	8400	Key		cs
10/3/2025	Pen	Stationery	50	20	1000	Pen		ry
22/3/2025	Speaker	Electronics	4	2500	10000	Spe		cs

Metric	SUM of Value
Highest Sale	10000
Lowest Sale	1000
Total Sales (Headphones)	7500
Grand Total	18500



Store_Sales_Analysis

File Edit View Insert Format Data Tools Extensions Help Gemini

B58

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Date	Product	Category	Quantity	Price	Total Sales	Prod_First3	Cat_Last2											
2	2025-01-05	Headphones	Electronics	5	1500	7500	Hea	cs											
3	2025-01-12	Mouse	Electronics	10	500	5000	Mou	cs											
4	2025-02-03	Notebook	Stationery	20	80	1600	Not	ry											
5	2025-02-18	Keyboard	Electronics	7	1200	8400	Key	cs											
6	2025-03-10	Pen	Stationery	50	20	1000	Pen	ry											
7	2025-03-22	Speaker	Electronics	4	2500	10000	Spe	cs											

+ Store Sales Summary Charts

Assignment-15

OBJECTIVE: - Create a complete personal financial planner workbook.

(a) Create and rename sheets as:

- i. Expenses ii. Budget iii. Charts

(b) Enter at least 20 rows of expense data:

Date, Category, Expense Detail, Amount, Payment Method.

**(c) Use Data Validation dropdown to create a category list
(Food, Travel, Fees, Shopping, Other).**

**(d) Use Remove Duplicates on the Category column if repeated
incorrectly.**

(e) Use SUMIF to calculate total spending for each category.

**(f) In the Budget sheet, create the monthly budget and compare with
actual expenses using:**

Difference = Budget – Actual (formula required)

(g) Highlight expenses above ₹2000 using Conditional Formatting.

(h) Create:

i. A Pie Chart showing category-wise spending

ii. A Bar Chart comparing Budget vs Actual

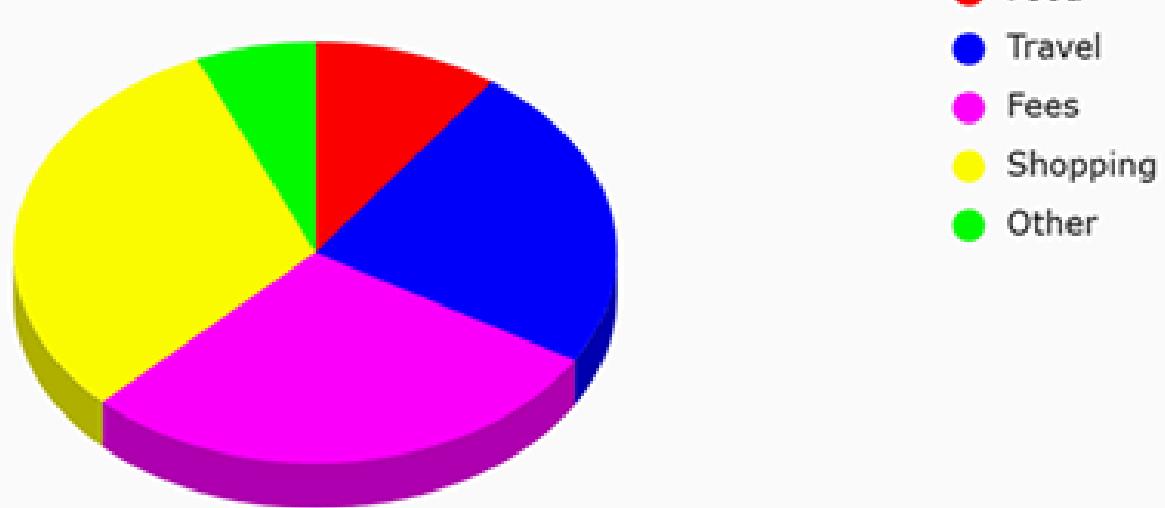
**iii. Use Flash Fill to separate date into Day / Month / Year if needed. Also
explain its details**

iv. Save worksheet in Page Layout view and adjust print area.

Date	Category	Expense Detail	Amount	Payment Method	Day	Month	Year
2/1/2025	Food	Lunch	250	Cash	2	1	2025
3/1/2025	Travel	Bus Pass	1200	UPI	3	1	2025
5/1/2025	Fees	Exam Fee	3000	Card	5	1	2025
6/1/2025	Shopping	Books	1800	UPI	6	1	2025
7/1/2025	Food	Dinner	450	Cash	7	1	2025
8/1/2025	Travel	Cab	2200	UPI	8	1	2025
9/1/2025	Other	Recharge	399	UPI	9	1	2025
10/1/2025	Shopping	Shoes	3500	Card	10	1	2025
11/1/2025	Food	Snacks	150	Cash	11	1	2025
12/1/2025	Fees	Course Fee	5000	UPI	12	1	2025
13/1/2025	Travel	Train	1800	Card	13	1	2025
14/1/2025	Other	Internet	999	UPI	14	1	2025
15/1/2025	Food	Groceries	2200	Cash	15	1	2025
16/1/2025	Shopping	Clothes	2700	Card	16	1	2025
17/1/2025	Travel	Fuel	2000	Cash	17	1	2025
18/1/2025	Fees	Library Fee	1200	UPI	18	1	2025
19/1/2025	Food	Breakfast	120	Cash	19	1	2025
20/1/2025	Other	Medicine	650	Cash	20	1	2025
21/1/2025	Shopping	Bag	1900	UPI	21	1	2025
22/1/2025	Travel	Auto	300	Cash	22	1	2025

Category	Budget	Actual	Difference
Food	5000	3170	1830
Travel	6000	7500	-1500
Fees	10000	9200	800
Shopping	7000	9900	-2900
Other	3000	2048	952

Category-wise Spending



Budget vs Actual



The expense data, consisting of 20 transactions, shows a total spending of 31,818 with an average transaction amount of 1,590.9. The analysis of this data reveals key patterns in how money is spent and which payment methods are most frequently used.

Key Takeaways from Expense Analysis

1. Spending is Highly Concentrated in a Few Categories

The top three categories, Shopping, Fees, and Travel, account for over 83% of the total recorded expenses, indicating where the majority of the budget is allocated.

- Shopping is the highest spending category, totaling 9,900.
- Fees is the second largest category at 9,200, which includes significant one-time payments like the Exam Fee (3,000) and College Fee (6,000).
- Travel follows with 7,500, mainly driven by major costs such as the Flight Ticket (5,000).
 - Food expenses are a smaller portion of the total, amounting to 3,170.

1. UPI and Card Payments Dominate Transactions

Digital payment methods like UPI and Card are the primary ways expenses are settled, representing over 80% of the total amount spent.

- UPI is the most preferred payment method, accounting for the largest total expenditure of 14,698.
 - Card payments are the second most used, with a total of 11,000 spent.
- Cash is used for the lowest total amount, at 6,120, suggesting a preference for digital transactions, potentially for larger amounts.

The following charts illustrate the distribution of expenses:

Total Expense by Category

This bar chart shows the total amount spent in each expense category, clearly highlighting Shopping, Fees, and Travel as the largest contributors to overall spending.

Total Expense by Payment Method

This chart visualizes the total amount spent using each payment method, demonstrating the dominance of UPI and Card payments.

