

**A**  
**Lab Records of**  
**Programming Fundamentals**  
**of C**

Computer Science and Engineering- Sem 1



**RUNGTA INTERNATIONAL SKILLS UNIVERSITY**

**SESSION: 2025-26**

Submitted to-

Firdaush Jahan

Submitted by-

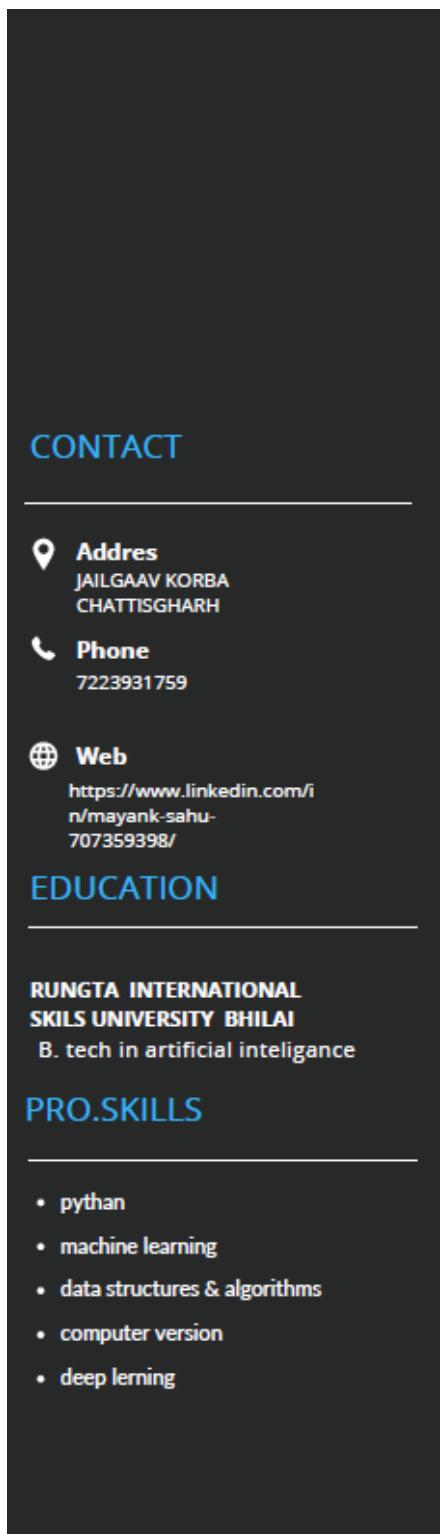
Mayank Sahu

ERP NO-11818

RUNGTA INTERNATIONAL SKILLS UNIVERSITY,CG  
SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY

# PRACTICAL NO 01

1. Design a professional resume using templates.



## MAYANK SAHU

AI-Enabled Marketing  
Strategist

### PROFILE

"B.Tech in Artificial Intelligence student with strong fundamentals in machine learning, data analysis, and programming. Skilled in Python, model building, and problem-solving. Passionate about developing AI-based solutions and eager to contribute in real-world projects through innovation and learning."

### PROJECT

#### 1. SMART CHATBOT FOR COLLEGE ENQUIRIES

- ChatGPT-style chatbot
- College ka info reply kare
- FAQs, admission details, fee, courses etc.

Why good: Practical + showcases NLP + deployment.

#### 2. AI-BASED CAREER RECOMMENDATION SYSTEM

- Student's interests & marks input
- Model suggest karta hai: engineering, design, management, etc.
- Collaborative filtering / ML models use

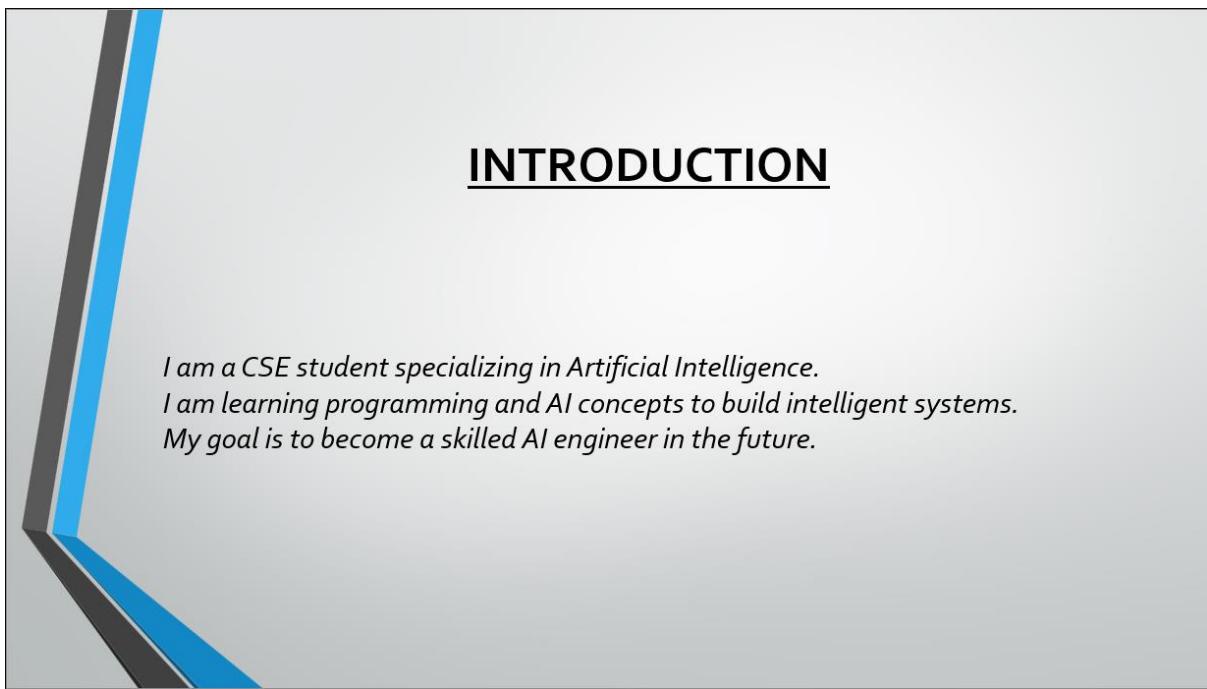
Why good: Recruiters ko instantly impress karta hai.

### TECHNICAL SKILLS:

- Programming: Python, C/C++
- AI/ML: NumPy, Pandas, Scikit-learn, TensorFlow/PyTorch (beginner/intermediate)
- Data Visualization: Matplotlib, Seaborn
- Tools: Jupyter Notebook, GitHub
- Concepts: Machine Learning, Deep Learning basics, NLP basics

# **PRACTICAL NO 02**

2.Create a Career Oriented Presentation with 7 slides using transitions and animations.



## **CAREER I WANT TO PURSUE**

- I am a Computer Science and Engineering student specializing in Artificial Intelligence.
- I want to pursue my career as an AI Engineer because AI is shaping the future of technology.
- I am learning programming and AI concepts to build intelligent systems. My aim is to use my skills to solve real-world problems and contribute to society.

## **WHY I CHOOSE THIS CAREER**

- ✓ I am a Computer Science and Engineering student specializing in Artificial Intelligence.
- ✓ I chose this career because I am interested in technology and problem-solving.
- ✓ Learning how machines can think and learn like humans motivated me to choose AI.
- ✓ I believe AI has a strong future and many career opportunities.
- ✓ I chose Artificial Intelligence as my career because of my interest in technology and innovation.

## **SKILL REQUIRED FOR AN AI ENGINEER**

- ✓ An AI Engineer needs a combination of **technical and analytical skills**.
- ✓ Strong knowledge of **programming languages** like C, Python, and Java is important.
- ✓ Understanding **Machine Learning, Deep Learning, and Artificial Intelligence concepts** is essential.
- ✓ Basic knowledge of **mathematics**, especially statistics and linear algebra, is required.

## MY PREPARATION PLAN

- I will first build a strong foundation in **programming languages** like C and Python.
- I will study **basic mathematics**, including statistics and linear algebra.
- I will learn **Artificial Intelligence and Machine Learning concepts** step by step.
- I will keep updating my skills by learning **new AI tools and technologies**.

## CONCLUSION

- Artificial Intelligence is a fast-growing and future-oriented field in Computer Science and Engineering.  
By choosing AI as my career, I aim to become a skilled AI Engineer who can build intelligent systems to solve real-world problems.  
With the required skills and a clear preparation plan, I am confident that I can achieve my career goals and contribute positively to society through technology.

# PRACTICAL.03

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



# PRACTICAL NO 04

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

Dear HR,

I'm reaching out to apply for the Frontend Developer Internship at Rungta International Skills University. I have a solid foundation in HTML, CSS, JavaScript, and React.js, and I'm keen to gain hands-on experience in developing responsive and modern web applications.

I'm enthusiastic about learning from your team and contributing to real-world projects. I've attached my resume for your consideration and would appreciate the opportunity to discuss how I can add value.

Thank you for your time.

Best regards,

Mayank Sahu

Phone no. – \_\_\_\_\_

Email – [mayanksahu7687@gmail.com](mailto:mayanksahu7687@gmail.com)

LinkedIn URL – <https://www.linkedin.com/in/mayank-sahu-707359398/>

Attachment: **MAYANK\_SAHU\_RESUME.pdf**

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# **PRACTICAL NO.05**

Design a complete Google Form survey and analyse responses.

- a) Create a Google Form titled “Student Attendance Report”.
- b) Include the following question types: a. 5 MCQs b. 1 Rating scale (1–5) c. 1 Short answer
- d. 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.

The screenshot shows a Google Form titled "STUDENT ATTENDANCE REPORT". The header includes the text "BTECH CSE BRANCH" and a note that the form is automatically collecting emails from respondents with a link to "Change settings".

The form consists of several sections:

- FIRST NAME \***: A short answer text input field.
- LAST NAME \***: A short answer text input field.
- ERP ID \***: A short answer text input field.
- PHONE NUMBER \***: A short answer text input field.
- GENDER**: A section with two checkbox options: "MALE" and "FEMALE". To the right is a "Checkboxes" settings menu with a delete icon.

**SECTION \***

- 1A
- 1B
- 1C
- 1D
- Option 5

MENTION YOUR ATTENDANCE PERCENTAGE OF NALS \*

- Above 70%
- Above 80%
- Below 70%
- Below 60%

MENTION YOUR ATTENDANCE PERCENTAGE OF PFC \*

- Above 70%
- Above 80%
- Below 70%
- Below 60%

MENTION YOUR ATTENDANCE PERCENTAGE OF WEB DEVELOPMENT \*

- Above 70%
- Above 80%
- Below 70%
- Below 60%

MENTION YOUR ATTENDANCE PERCENTAGE OF WEB DEVELOPMENT \*

- Above 70%
- Above 80%
- Below 70%
- Below 60%

MENTION YOUR ATTENDANCE PERCENTAGE OF MATEHEMATICS \*

- Above 70%
- Above 80%
- Below 70%
- Below 60%

MENTION YOUR ATTENDANCE PERCENTAGE OF DIGITAL LOGIC \*

- Above 70%
- Above 80%
- Below 70%
- Below 60%

MENTION YOUR ATTENDANCE PERCENTAGE OF CDC \*

- Above 70%
- Above 80%
- Below 70%
- Below 60%

MENTION YOUR ATTENDANCE PERCENTAGE OF COMMUNICATION PROFICIENCY \*

- Above 70%
- Above 80%
- Below 70%
- Below 60%

MENTION YOUR OVERALL PERCENTAGE \*

- Above 70%
- Above 80%

POST THE SCREENSHOT OF YOUR OVERALL PERCENTAGE FROM DIGICAMPUS \*

 Add file

 View folder

RATE THE FORM \*

1      2      3      4      5

AVERAGE

BEST

# PRACTICAL NO 06

3. Demonstrate the creation and management of your digital identity.

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

6:42:06 32.0 KB/S 5G 55%

←  ⚙

**Mayank Sahu** Add verification badge

Student at Rungta College of Engineering & Technology Kohka-Kurud Bhilai Mumbai, Maharashtra, India

5 connections

Open to Add section ...

Enhance profile

Open to work Civil Engineer roles Show details

**Analytics**  
Private to you

2 profile views  
Discover who's viewed your profile.

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

The screenshot shows a digital resume builder interface. At the top left is a section titled "Education" with a plus sign and a pencil icon. Below it is a card for "Rungta College of Engineering & Technology Kohka-Kurud Bhilai", listing a Bachelor of Technology in Computer Science from Sep 2025 – 2029. A red circular icon with a white "i" is to the left of the college name. Below this is a section titled "Skills" with a plus sign and a pencil icon. It lists "JavaScript" and "Microsoft PowerPoint". A "Show all →" link is visible. The bottom half of the screenshot shows a detailed "Skills" section with a back arrow, a title "Skills", a menu icon, and a plus sign. It includes a filter bar with "All" (selected) and "Tools & Technologies". The listed skills are: JavaScript, Microsoft PowerPoint, Microsoft Excel, Microsoft Word, C (Programming Language), HTML, and Cascading Style Sheets (CSS). Each skill has a pencil icon to its right.

Education +

Rungta College of Engineering &  
Technology Kohka-Kurud Bhilai  
Bachelor of Technology, Computer Science  
Sep 2025 – 2029

Skills +

JavaScript

Microsoft PowerPoint

Show all →

← Skills : +

All Tools & Technologies

JavaScript

Microsoft PowerPoint

Microsoft Excel

Microsoft Word

C (Programming Language)

HTML

Cascading Style Sheets (CSS)

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

6:46:17



29 KB/s 5G 5G 55%



Search



OO●



**Mayank Sahu** · You

⋮

Student at Rungta College of Engineering & ...  
now · 5

My journey in digital literacy has been a gradual and empowering experience that began with learning basic computer skills and using the internet responsibly. Over time, I developed confidence in using digital tools for communication, online learning, and problem-solving. I learned how to search for reliable information, use software and apps effectively, and stay safe in the digital world. As my skills grew, I started applying technology in my studies and daily life, which improved my efficiency and opened new learning opportunities. This journey has helped me become more independent, informed, and prepared for the demands of the modern digital age.



Like



Comment



Repost



Send

d) Change your privacy settings to:

- Who can see your posts.
- Who can message you.

Showing profile photos

All LinkedIn membe... →

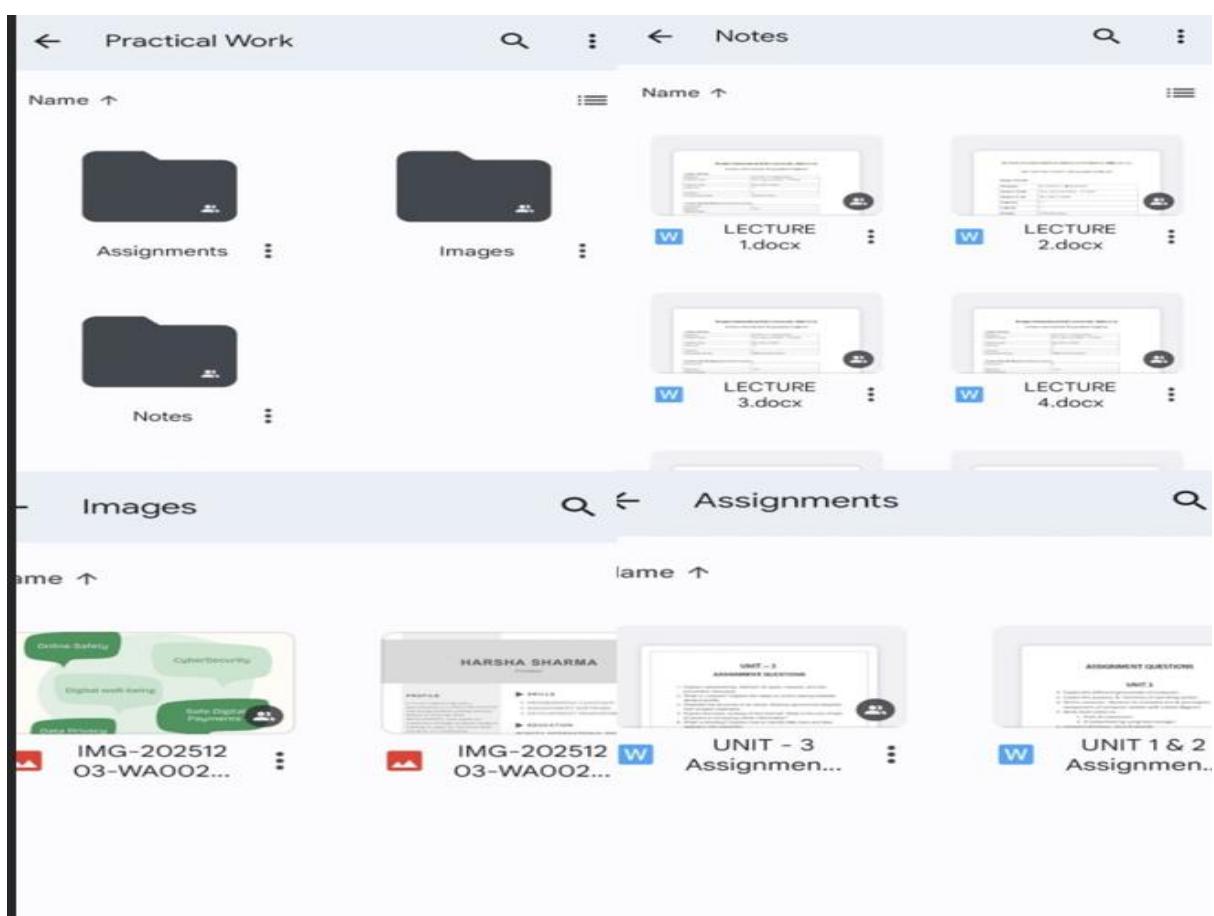
Preferred feed view

Most relevant posts (Reco... →

# PRACTICAL 07

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.



# **PRACTICAL 08**

4. 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?

ANS: This is a phishing scam and job fraud (online recruitment scam).  
The attacker is pretending to be Google to steal money.

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

1. Asking for money (₹2,499 verification fee) –  
No genuine company, especially Google, ever charges money for hiring.

2. Too-good-to-be-true offer –  
₹18 LPA for a fresher without any interview is unrealistic.

3. Urgency pressure ("Limited seats. Pay now") –  
Scammers use urgency to force quick decisions.

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

1. Check the sender's email/domain — Genuine Google mail ends with @google.com.
2. Visit the official Google Careers website (careers.google.com) to confirm if such a role exists.
3. Contact Google HR through official channels or LinkedIn profile that is verified.
4. Search the message online ("Google job verification fee scam").

Ask seniors/teachers before making any payment

# **PRACTICAL NO 09**

5. 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.

## **NALS QUIZ**

QUIZ contains 5 MCQs and 2 short answers questions.  
ALL QUESTIONS ARE MANDATORY TO BE ATTEMPTED.

This form is automatically collecting emails from all respondents. [Change settings](#)

NAME OF THE STUDENT

Short answer text

ERP ID OF THE STUDENT \*

Short answer text

**1. A smartphone is an example of a: \***

- Supercomputer

**1. A smartphone is an example of a: \***

- Supercomputer
- Mobile Computer
- Workstation

**2. Which device is an input device? \***

- Scanner
- Monitor
- Printer

**3. GUI stands for: \***

- General User Interface

**3. GUI stands for: \***

- General User Interface
- Graphical User Interface
- General Unique Interface

**4. Bit stands for: \***

- Binary digit
- Byte information
- Basic input tool

# PRACTICAL NO 10

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 paragraph vs your rewritten unbiased version

The screenshot shows the JustDone Plagiarism Checker interface. At the top, there is a navigation bar with links for Plagiarism Checker, AI Humanizer, AI Detector, AI Tools, Pricing, Log In, and Try JustDone. Below the navigation bar, the title "Plagiarism Checker by JustDone" is displayed, followed by the subtext "Easily spot and correct plagiarism to make sure that your work is one-of-a-kind." A red callout box indicates a "High plagiarism level" of 98%. The main text input area contains a paragraph comparing online and offline learning. Below the input area, there is a chart showing the average plagiarism level (98%) with breakdowns for minor changes (34%) and identical (5%). To the right, there is a button to "Remove plagiarism" from the text "Online vs. offline learning". The "Readability" section shows a readability score of 35, which is above average. The "Vocabulary" section shows unique words at 78% and rare words at 29%, both of which are above average. The bottom section, titled "HUMANIZE VERSION", contains a summary of the comparison between online and offline learning.

**Plagiarism Checker by JustDone**

Easily spot and correct plagiarism to make sure that your work is one-of-a-kind.

High plagiarism level

Online learning offers flexibility and comfort, allowing college students to learn from anywhere and manage their own pace. However, offline learning provides face-to-face interaction, better focus, and a classroom environment that helps students stay disciplined. While online learning is convenient, offline learning often gives a stronger sense of connection and practical understanding. The best choice depends on the student's learning style and needs.

**98%**  
Average plagiarism level

34% Minor changes    5% Identical

Remove plagiarism from your text "Online vs. offline learning"

**Readability**

Word length **6.1** Above average

Sentence length **15.8** Above average

Readability score **35** (i)

Your text is likely to be understood by a reader who has at least some college education, but it may not be easy to read.

**Vocabulary**

Unique words **78%** (i) Above average

Rare words **29%** (i) Below average

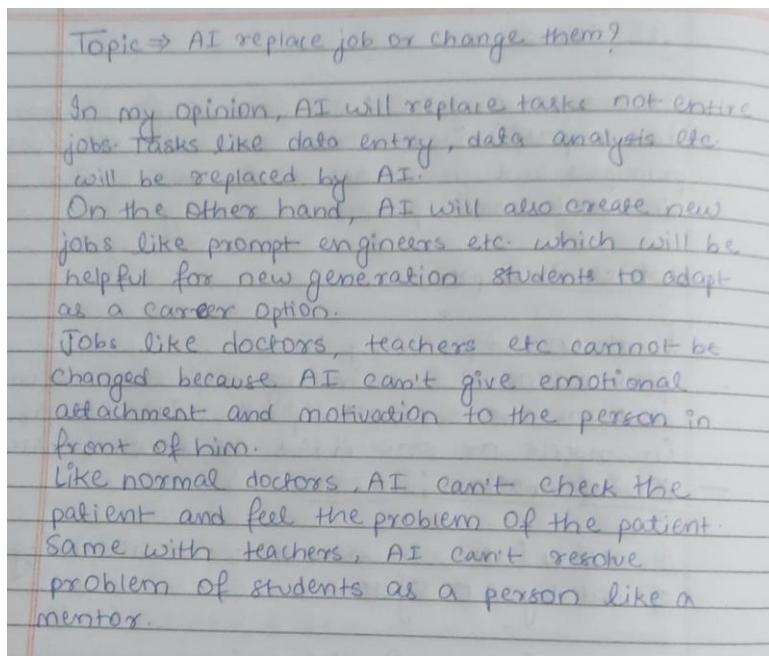
**HUMANIZE VERSION**

College students can learn from anywhere, anytime due to the flexibility offered by online learning. But, offline learning allows students to meet face-to-face; who can focus much better. It provides a classroom environment with optimum discipline. Although online learning is convenient, offline learning helps in connecting better and having a practical understanding. The better choice will depend on the student, his or her learning style and needs.

# PRACTICAL NO 11

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.

ChatGPT ▾

Free offer ×

will ai replace job or change them give paragraph in 100-150 words

Here is a 100–150 word paragraph:

Artificial Intelligence is not likely to completely replace most jobs, but it will definitely change how we work. AI can automate repetitive tasks, analyze data faster, and improve decision-making, which means many routine roles may become less common. However, this also creates new opportunities in fields like AI development, data analysis, cybersecurity, and digital services. Instead of removing jobs, AI will shift the focus toward skills such as creativity, problem-solving, communication, and technical knowledge. Employees will need to learn new tools and adapt to changing work environments. Overall, AI will act more as a collaborator that enhances human abilities rather than a force that eliminates all jobs.

⊕ ⌂ ⌂ ↴ ⌂ ...

c) In your practical copy, create a Comparison Table with the headings:

I. Human-Generated Content

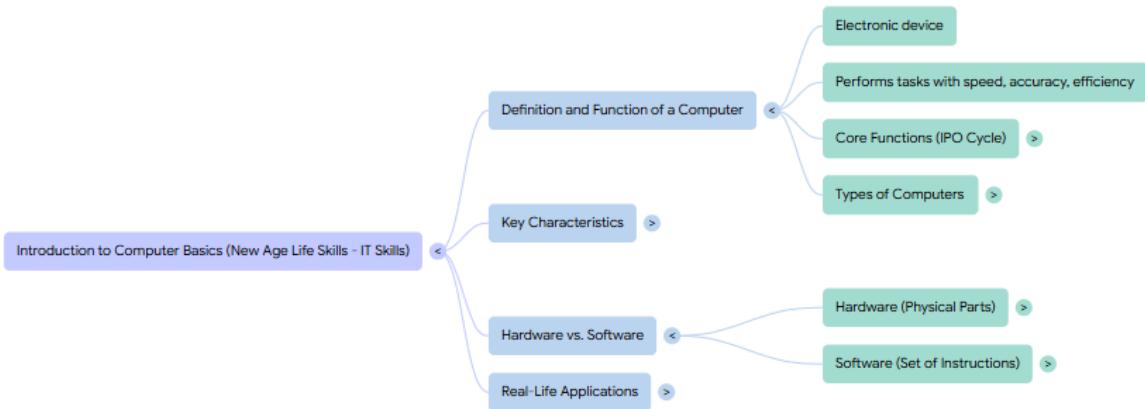
II. AI-Generated Content

Aspect	Human-Generated Content	AI-Generated Content
Creativity	More emotional and personal	Creative but pattern-based
Originality	Unique perspective	May feel similar or generic
Accuracy	Depends on writer's knowledge	Usually accurate but can be wrong
Speed	Slower, takes time	Very fast
Tone	Natural and expressive	Consistent but less emotional
Use	Best for stories, opinions	Best for quick info and drafts

# PRACTICAL NO 12

Create a new NotebookLM project titled: "My Chapter Revision Notes."

- a) Upload multiple sources (any 2)such as:
  - i. PDF notes ii. Web articles iii. Text copied into NotebookLM
- b) Ask NotebookLM 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.
- c) Manually check for:
  - i. Any incorrect facts ii. Repeated information iii. Missing important points
- d) Attach 3 screenshots from NotebookLM:
  - i. Combined study guide ii. Flashcards iii. Concept map / explanation



Computer Fundamentals: Definition, Components, and Applications

**Sources**

- + Add sources
- Try Deep Research for an in-depth report and new sources!
- Search the web for new
- Select all sources
- LECTURE 1.docx

**Chat**

Purpose	application software <a href="#">7</a> .	and performs functions <a href="#">7</a> .
Start Time	Starts running automatically once the system is turned on <a href="#">7</a> .	Runs when the users request or give commands <a href="#">7</a> .
Development	Low-level language is required for development <a href="#">7</a> .	A high-level language is required for development <a href="#">7</a> .

In summary, hardware provides the physical structure and capability to perform tasks, while software provides the instructions necessary to deliver an outcome, with system software being the essential foundation that enables the entire computer structure to function [3](#) ... .

Save to note

Start typing... 1 source

What are three key Who is the subject's What are two

**Studio > App**

**Computer Flashcards**  
Based on 1 source  
Press "Space" to flip, "← / →" to navigate

What is the fundamental definition of a computer as an electronic device?

See answer

1 / 42 cards

Computer Fundamentals: Definition, Components, and Applications

**Sources**

- + Add sources
- Try Deep Research for an in-depth report and new sources!
- Search the web for new
- Select all sources
- LECTURE 1.docx

**Chat**

Purpose	to run application software <a href="#">7</a> .	performs functions <a href="#">7</a> .
Start Time	Starts running automatically once the system is turned on <a href="#">7</a> .	Runs when the users request or give commands <a href="#">7</a> .
Development	Low-level language is required for development <a href="#">7</a> .	A high-level language is required for development <a href="#">7</a> .

Start typing... 1 source

What are three key hardware types? Who is the subject listed faculty?

**Studio > Report**

**Study Guide: Introduction to Computers and IT Skills**  
Based on 1 source

**Study Guide: Introduction to Computers and IT Skills**

This guide is designed to review the fundamental concepts of computers, including their core functions, characteristics, and applications, as outlined in the "New Age Life Skills – IT Skills" course.

**Quiz: Short Answer Questions**

Answer each question in 2-3 sentences based on the provided course material.

- What is the fundamental definition of a computer and what are its four core functions?
- Briefly describe the Input-Process-Output (IPO) cycle and provide a common example.
- What is the primary distinction between computer hardware and software?
- According to the course material, what is the role of an Operating System?
- Explain the difference between System Software and Application Software, providing one example of each.
- How is the "Speed" of a computer characterized and measured?
- Define the characteristic of "Dilution" as it applies to computers.

Good report Bad report