

Practical 2: **Career-Oriented Presentation**

Aim:

To create a career presentation using slides, transitions, and animations.

Objectives:

- To design a multi-slide professional presentation
- To apply transitions and animations

Materials Required:

- PowerPoint or Google Slides

Procedure:

Open a blank presentation

Launch PowerPoint/Google Slides and select the option to create a new blank presentation. This opens a fresh workspace where you will design your slides.

Create a title slide

Insert a title slide layout and add the presentation title along with your name or subtitle. Ensure the title is clear, readable, and visually centered on the slide.

Add minimum 7 slides

Use the "New Slide" option to insert at least seven additional slides with appropriate layouts. Each slide should focus on a single topic or idea for clarity.

Insert images, icons, and bullet points

Add relevant images and icons to visually support your content.

Use bullet points to present information in a structured and easy-to-read format.

Apply a theme

Choose a professional theme from the design options available in the software.

The theme will automatically set consistent fonts, colors, and backgrounds.

Add transitions and animations

Apply slide transitions for smooth movement between slides.

Add animations to text or images to enhance the presentation without overusing effects.

~OUTPUT~

CAREER IN COMPUTER SCIENCE & ENGINEERING

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WHO'S COMPUTER SCIENCE SPECIALIST

- A computer science specialist is an individual who applies
- their expert knowledge in computer science to design, develop, and analyze software and hardware solutions.

They use skills in programming, technical knowledge, and analytical thinking to solve complex problems in various fields by creating and improving computer systems, programs, and networks



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KEY RESPONSIBILITIES :

• Application and software development

- Create, test, and maintain new or existing code and programs. This involves identifying and troubleshooting bugs, writing clean and well-documented code, and designing algorithms for efficiency and scalability.

• System design and analysis

- Analyze user needs and design computer systems, software, and networks to meet those requirements. This can include developing new tools or upgrading existing systems to improve performance.

• Research and innovation

- Conduct research to develop new computational theories, models, and technologies. This includes applying concepts from machine learning, artificial intelligence, and data science to solve real-world problems.

• Data management and analysis

- Design and manage databases, analyze large-scale data sets, and extract meaningful insights to inform decision-making.

• Collaboration and communication

- Work with other professionals like software engineers and data scientists, and present technical information and research findings to various stakeholders.

Advising and training colleagues on computer science best practices and collaborating with other IT and security personnel

ROAD MAP



SKILLS REQUIRED

• TECHNICAL SKILLS

- **Programming languages:**
- Proficiency in languages like Python, Java, C++, and JavaScript is fundamental for creating software and applications.
- **Data structures and algorithms:**
- A strong understanding of DSA is crucial for efficient problem-solving.
- **Software development:**
- Knowledge of the software development lifecycle, including methodologies like Agile, version control (Git), and testing.

• SOFT SKILLS

- **Problem-solving:**
- The ability to analyze complex issues, think critically, and develop effective solutions.
- **Communication:**
- The capacity to clearly explain technical concepts to both technical and non-technical audiences.

FUTURE SCOPE

- The future scope for computer science (CS) engineers is vast and promising, with high demand in emerging fields like Artificial Intelligence (AI), Machine Learning (ML), cybersecurity, and cloud computing.

Emerging and in-demand fields

- AI&ML
- Data science
- cyber security

