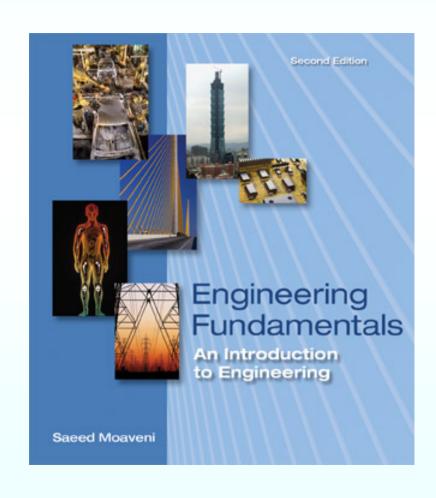
CHAPTER 4 Engineering Communication

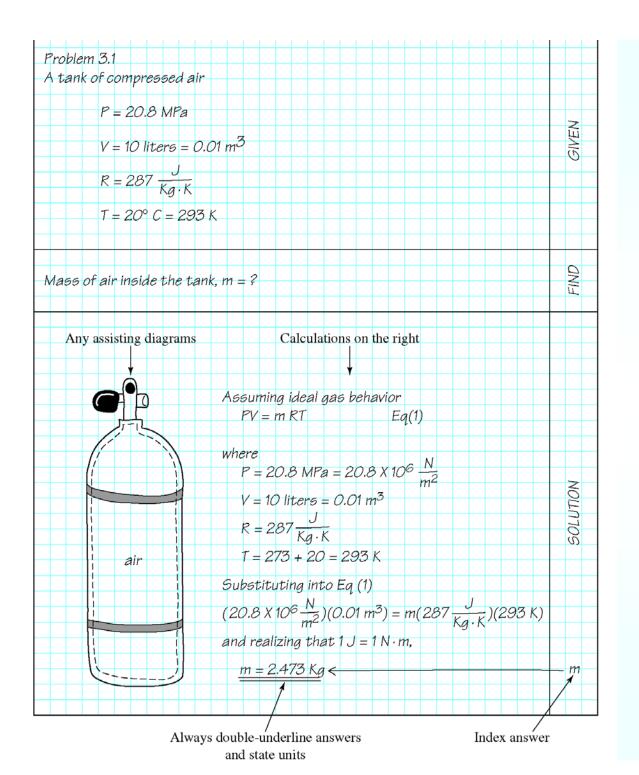


Basic steps involved in the solution of engineering problems

- Step1: defining the problem. ask many questions in order to obtain an appropriate solution for the problem
- Step2: simplifying the problem. understanding the physical laws and the fundamental concepts as well as where and when to apply them and their limitations will help you take reasonable assumptions and estimations that simplify the problem to solve
- Step3:performing the solution or analysis. This is applying the physical laws to obtain an appropriate solution
- Step4: verifying the results. Engineering work is very responsible, mistakes could end up with deaths or injuries. Verifying the work is going through it again, changing parameters and testing, to see if any 'weak points' would appear in the system

Homework presentation

Course number	Date due	Assignment number	Last name, first name	1/12
			Number of this sheet	
Problem number			Total number of	
SKETCH			sheets in the assignmen	
The purpose of a d	liagram is to shov	v the given	sheets in the assignmen	
	100	g a diagram, you a		Z
AND DESCRIPTION OF THE PROPERTY OF THE PROPERT		Control of the Contro	blem. On a diagram you want to	
			ent the interaction of whatever i	
14.0	9 9		ow or along side of the diagram	
you may ust other	injormation that	you cannot easity s	how on the diagram.	
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	you want to itami	za what informatio	n you are searching for.	FIND
3. <i>In this block</i>)	you wani io iiemi.	ze wnai injormatio	i you are searching jor.	E
3.				
SHOW ANY	DIAGRAMS TH	IAT MAY	SHOW CALCULATIONS	
	ENT THE SOLU		ON RIGHT-HAND SIDE.	
THE LEFT-H				
	J.			
		List all assur	nptions. Show completely all	
			ry, in an organized, orderly	-
		way, for the s		O
				SOLUTION
				12
				S
		Double unde	rline answers.	- Answe



Reports and memos

- Progress reports: periodic reports presenting the state of evolution of a certain project
- Executive summary: a brief and concise report communicated to a person in top management position in a company
- Short memo: used for conveying quick notes, under 2 pages in length
- Detailed technical report: contains thorough information and figures / charts about a certain topic or project

General format of a short memo

Date: May 3, 2001 From: Mr. John Doe

To: Members of Project X

Re: Budget Request

Parts of a detailed report

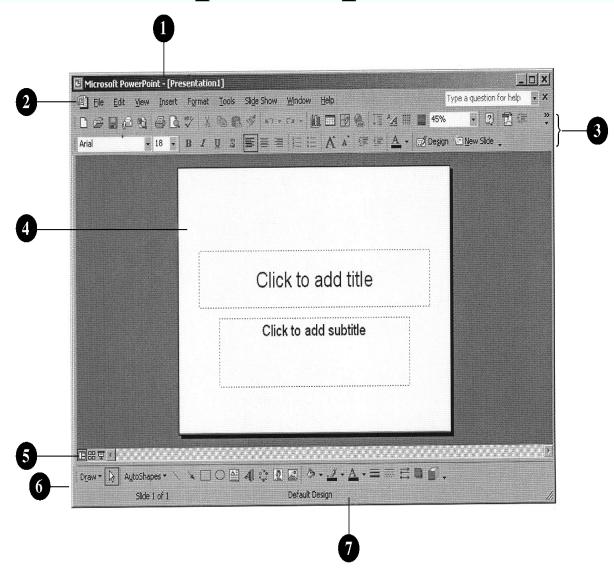
- Title
- Abstract
- Objectives
- Theory and analysis (define unfamiliar terms, state assumptions, principles, models)
- Apparatus and experimental procedures
- Data and results
- Discussion of the results
- Conclusions and recommendations
- Appendix
- References

Sample title sheet

De	All State University epartment of Mechanical Engineering
	Course Title Experiment No
Experiment Title	
	Date Experiment Completed
	Students' Names

Introduction to powerpoint

- 1. Title
- 2. Menu
- 3. Toolbar
- 4. Current slide
- 5. View buttons
- 6. Drawing toolbar
- 7. Status bar



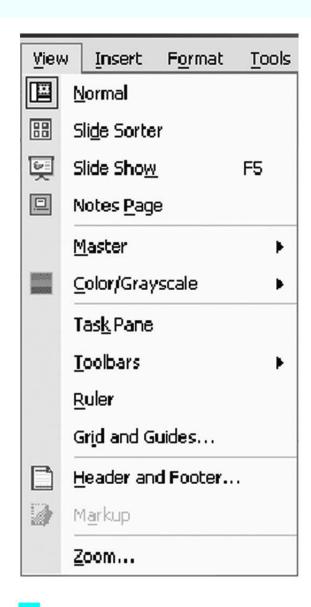


Figure 4.4
View options of PowerPoint.

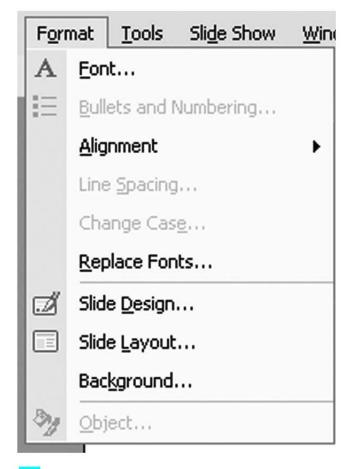
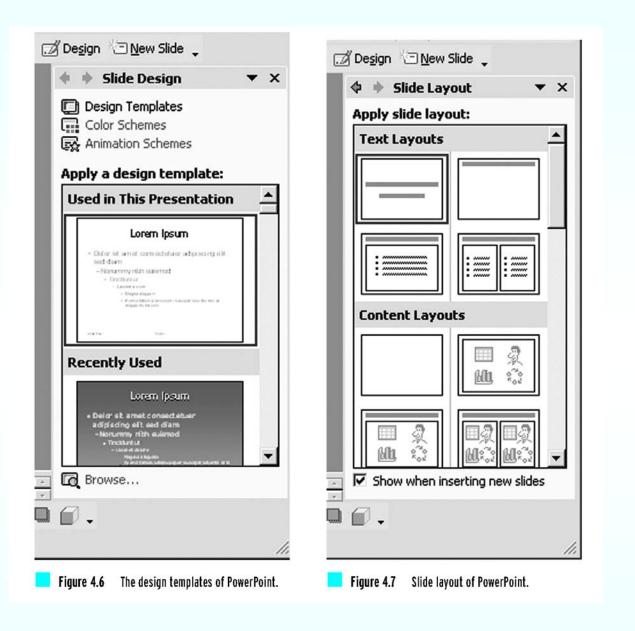


Figure 4.5 Format options of PowerPoint.

 Go to format then slide layout or slide design to obtain these windows



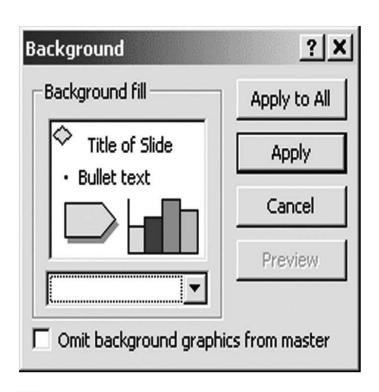


Figure 4.8 Background color window.

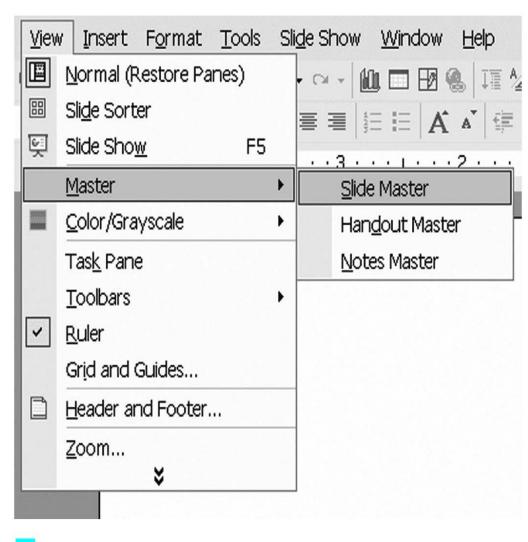


Figure 4.9 Accessing slide master.

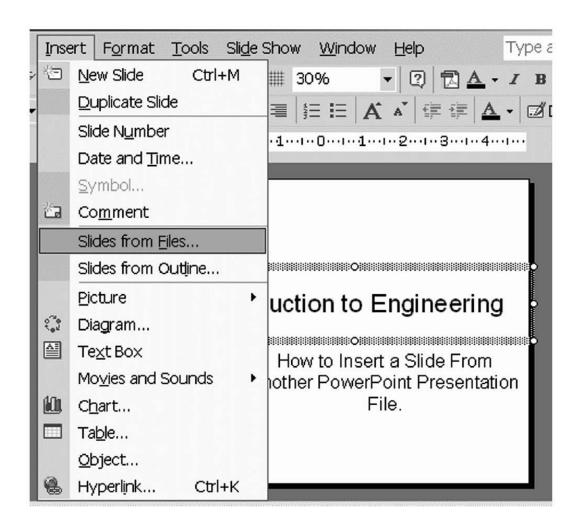


Figure 4.11
Selecting slides from other files.



Figure 4.14
Selecting Slide Transition.

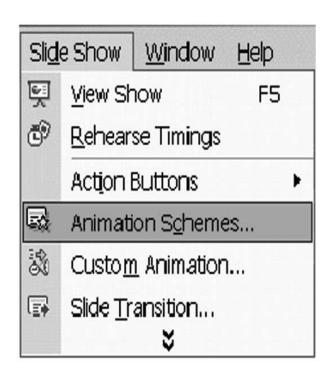


Figure 4.16
Selecting Animation Schemes.

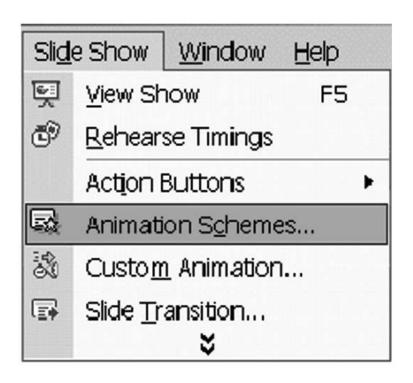


Figure 4.16
Selecting Animation Schemes.

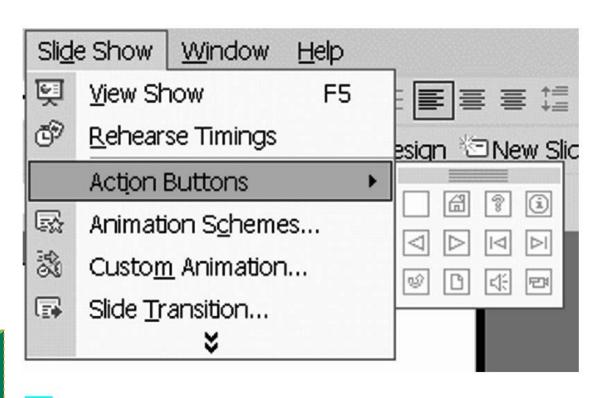




Figure 4.18 Selecting Action buttons.

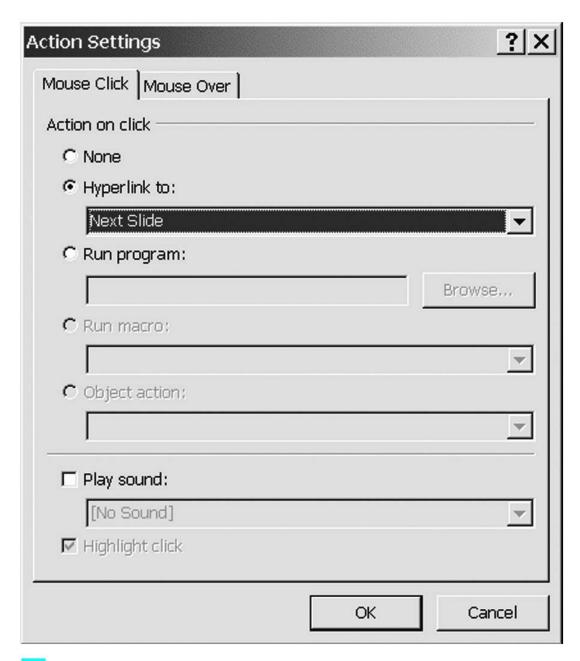


Figure 4.20 Action button settings.

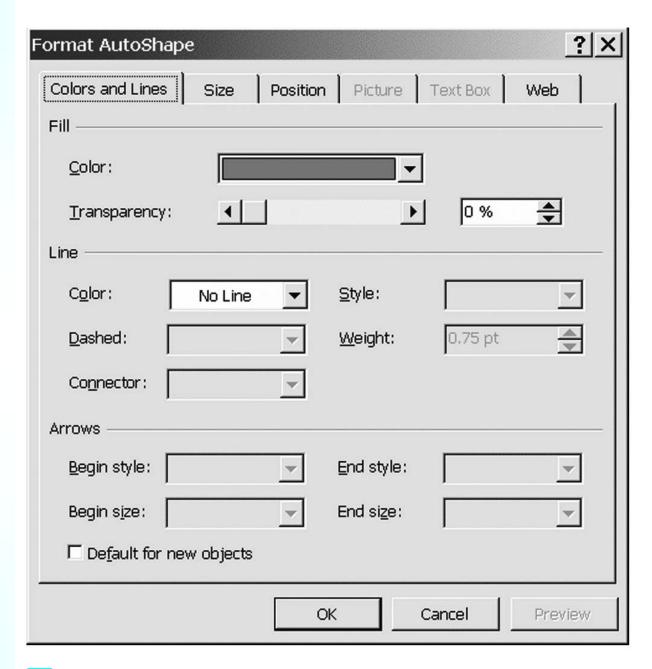


Figure 4.21 Changing button attributes.



Figure 4.22
Selecting Rehearse Timings.