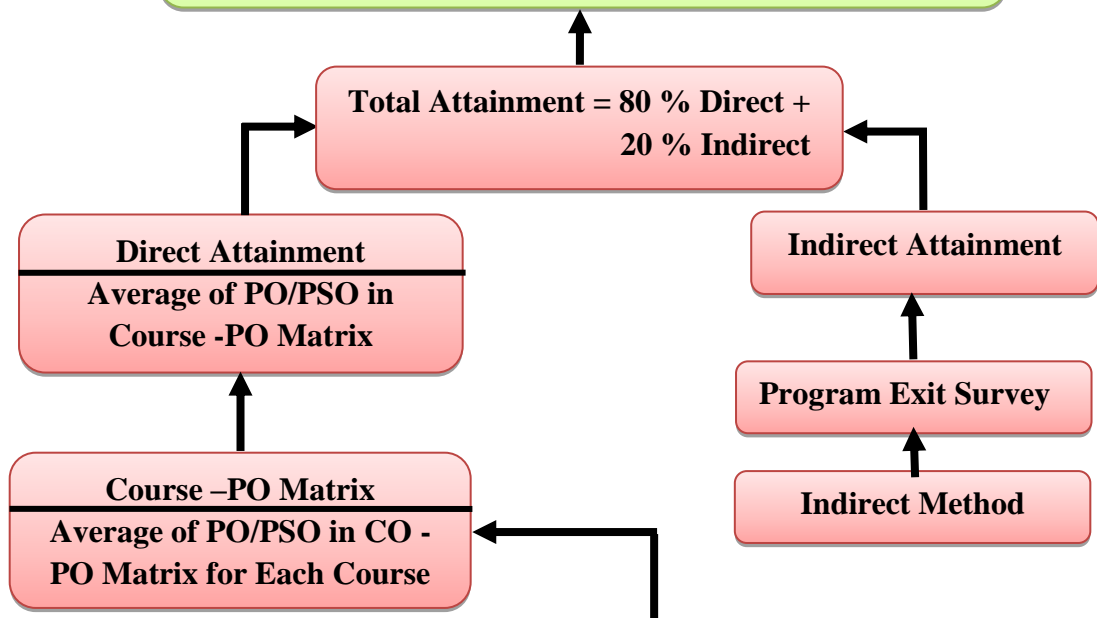
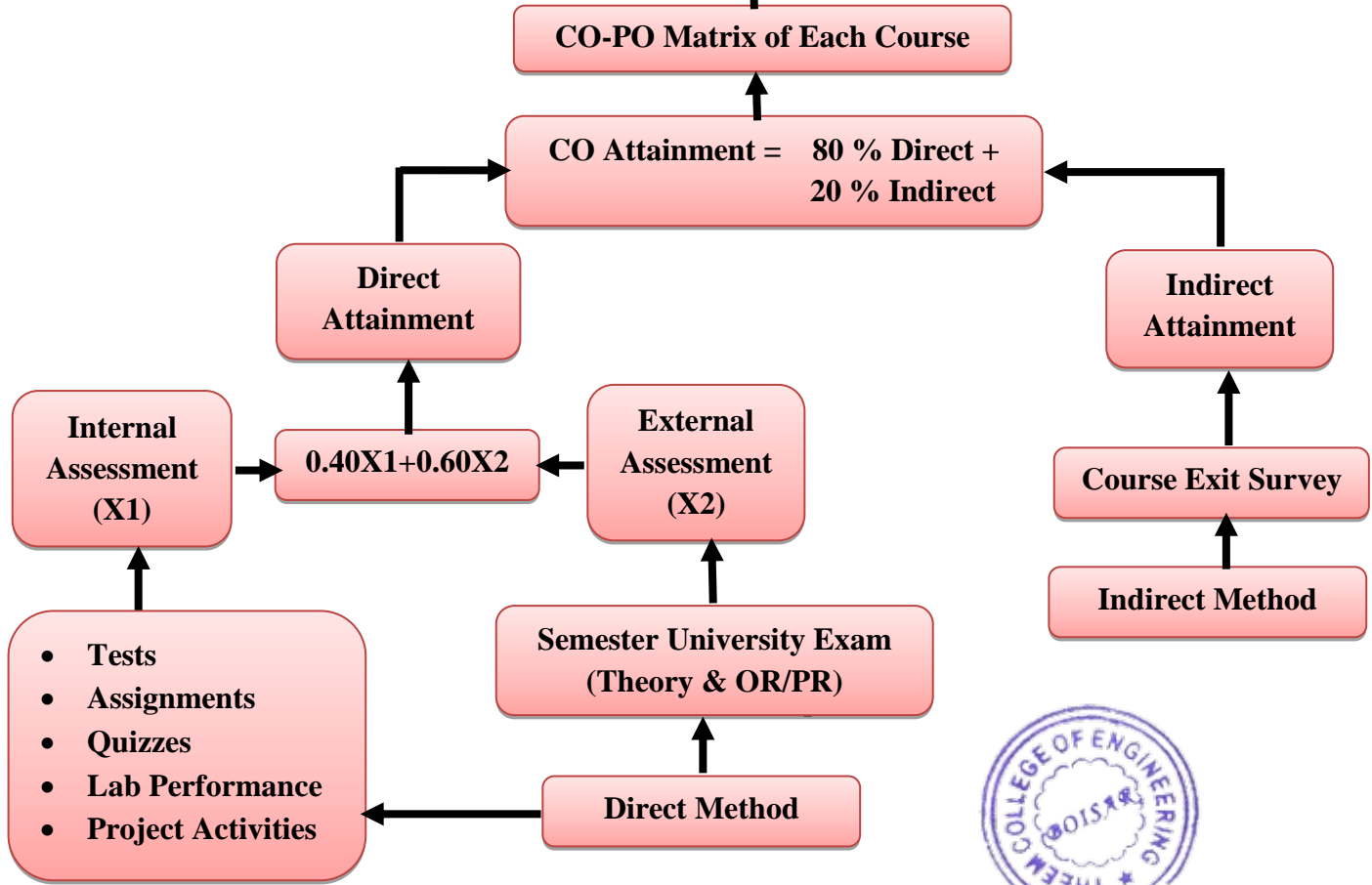


**Overall Attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs)**



**Attainment of Course Outcomes (COs)**



**Attainment of Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs)**

**Course Outcomes :**

At the end of the course student will be able to:		PO/PSO	Bloom Level
ITC 502.1	Explain the fundamental concept of Computer Security and network security	PO 02	Understanding
ITC 502.2	Identify the basic cryptography technique using classical & block encryption method.	PO 04	Understanding
ITC 502.3	Study & describe the system security malicious software	PO 03 PO 04	Remembering
ITC 502.4	Describe network layer security Transport layer security & application layer security	PO 02	Understanding
ITC 502.5	Explain the need of network management security & illustrate the need of NAC	PO 01	Applying
ITC 502.6	Identify the function of IDS & Firewall for system security	PO 02 PSO 02	Analyzing

**Mapping of CO with PO : (Target Level)**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	Correlation
ITC 502.1		2														1: LOW 2: MODERATE 3: HIGH
ITC 502.2				3												
ITC 502.3			2	2												
ITC 502.4		3														
ITC 502.5	2															
ITC 502.6		2												2		

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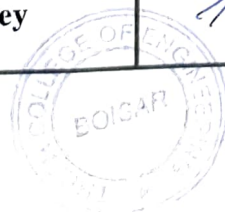


**Assessment Tools :**

Course Outcomes	Assessment Tool Direct	Maximum Marks	Assessment Tool Indirect
ITC 502.1	UT-1	06	Course Exit Survey
	Exp 1, 9	20	
	Assignment 1	2	
ITC 502.2	UT 1	06	
	Assignment 1	06	
	Exp 4.5	20	
ITC 502.3	UT 1	10	
	Assignment 1	02	
	Exp 6	10	
ITC 502.4	UT 2	10	
	Expn - 3	10	
	Assignment -2	04	
ITC 502.5	UT 2	05	
	Experiment 2	10	
ITC 502.6	UT 2	05	
	Exp 7.8	20	
	Assignment 2	06	
All TH. Course Outcomes	University TH. Examination	80	--
All Course Outcomes	University OR/PR Examination	25	--

**Attainment Levels Versus Target :**

CO Attainment Method	Attainment Level		
	1	2	3
University Examination	≥ 45	≥ 50	≥ 65
Internal Assessment	≥ 45	≥ 50	≥ 60
Course Exit Survey	≥ 60	≥ 70	≥ 80




### Attainment of Course Outcomes :

Course Outcomes	Direct Method														Indirect Method	CO Attainment on scale of 3 (0.8Y1 + 0.2Y2)				
	Internal Assessment										University						Course Exit Survey (Y2)			
	Test		Assignment				Quiz				Lab Work	Avg. (X1)	TH. Exam	OR/PR	Avg. (X2)			Y1 = (0.4X1 + 0.6X2)		
	T1	T2	A1	A2	A3	A4	Q1	Q2	Q3	Q4										
ITC 502.1	2		3								3			2.6	1	3	2	2.24	3	2.392
ITC 502.2	3		3								3			3	1	3	2	2.4	3	2.52
ITC 502.3	2		3								3			2.6	1	3	2	2.4	3	2.52
ITC 502.4		3		3							3			3	1	3	2	2.24	3	2.392
ITC 502.5		3									3			3	1	3	2	2.4	3	2.52
ITC 502.6		3		3							3			3	1	3	2	2.4	3	2.52

### Attainment of POs and PSOs through COs:


	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1		1.59													
2				2.08											
3			1.68												
4		1.85													
5	1.68														
6		1.8													
														2.08	
														2.08	


1.68

1.74  
  
 Sign. of Teacher

1.68



  
 Sign. of HOD

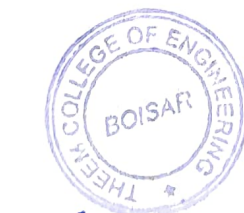
  
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2.08



PO/PSO	Target	Attainment	% Attainment	Observation	Action
P01	2	1.68	84%	It has been observed that somewhat attainment is achieved	Planning to focus more on numericals & try to improve the attainment
P02	2.33	1.74	74%		
P03	2	1.68	84%		
P04	2.5	2.08	83%		
PSO2	2	2.08	83%		
Over all Attainment(Avg.)			81.6		

*Pondali*  
Subject teacher



*Basu*  
H.O.D.

*Plus*

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