

## Attainment of POs and COs

NAAC Criterion :	2 Teaching- Learning and Evaluation
Key Indicator :	2.6 Student Performance and Learning Outcome
Metric Number :	2.6.2 Attainment of POs and COs are evaluated

Submitted By:



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## Process

The PO-CO attainment process involves assessing how students have achieved the course outcomes (CO) and program outcomes (PO).

### Step 1 - CO-PO Mapping

The various correlation levels are:

- “1” – slightly (Low) Correlation
- “2” – moderately (Medium) Correlation
- “3” – substantially (High) Correlation

“-” indicates there is no correlation between CO and PO.

	PO1: Understanding of media and communication	PO2: Communication skills	PO3: Critical thinking and research skills	PO4: Ethics and social responsibility work	PO5: Technological proficiency systems	PO6: Global perspective
CO 101.1	3	3	-	2	-	2
CO 101.2	3	3	1	2	-	2
CO 101.3	2	2	3	2	2	2
CO 101.4	3	3	2	2	3	2

### Step 2 Assessment Criterion

This involves developing a rubric or a set of guidelines that clearly define what constitutes the successful attainment of each outcome.

#### **CO Assessment Rubrics:**

Course Outcome is evaluated based on student’s performance in internal assessments and the university examination of a course. Internal Exam 25%, and End term exam contributes 75% to the total attainment of a CO for a course.



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## Step 3 Assess the attainment of COs

Assessment Methods	Attainment Levels	
<b>Internal Examination</b>	Level 1	60.1-70% of students scoring more than 60% marks in Mid-Term Examination
	Level 2	70.01-80% of students scoring more than 60% marks in Mid-Term Examination
	Level 3	80.01% of students scoring more than 60% marks in Mid-Term Examination

Assessment Methods	Attainment Levels	
<b>End Term Examination</b>	Level 1	60.1-70% of students scoring more than 50% marks in End Term Examination
	Level 2	70.01-80% of students scoring more than 50% marks in End Term Examination
	Level 3	80.01% of students scoring more than 50% marks in End Term Examination

**Direct Attainment:** The Final CO attainment is calculated by combining the internal attainment and External attainment in a ratio of 25:75. Final Value (V) = 25% of Mid Term + 75% of End term.

Direct Attainment = Mid-term and End-Term Result **Weightage 80%**

**Indirect Attainment = Feedback from Employer and Alumni Weightage 10% each**



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## Step 4 Setting Targets

	PO1: Understanding of media and communication	PO2: Communication skills	PO3: Critical thinking and research skills	PO4: Ethics and social responsibility work	PO5: Technological proficiency systems	PO6: Global perspective
CO 101.1	3	3	-	2	-	2
CO 101.2	3	3	1	2	-	2
CO 101.3	2	2	3	2	2	2
CO 101.4	3	3	2	2	3	2
<b>Average</b>	<b>2.75</b>	<b>2.75</b>	<b>2</b>	<b>2</b>	<b>2.5</b>	<b>2</b>

Total Target Average of Course 101 = Average (2.75, 2.75, 2, 2, 2.5, 2)

TARGET= 2.33

## Step 5 Result Analysis for Direct Attainment

### CO attainment for Course 101

Based on the Result Analysis of Course 101

93% of students scored more than 60% marks = Attainment Level 3 = 3

60% of students scored more than 50% marks = Attainment Level 1 = 1

**Average = 2**

## Step 5 Indirect Attainment

Based on the Feedback Collected from Alumni and Employer on CO-PO attainment

Alumni	2.3
Employer	2.0



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## Step 6 PO Attainment by Course 101

	Score	Weightage
10% of Alumni Feedback	2.3	.23
10% of Employer Feedback	2.0	.20
80% of Direct Attainment	2	1.6
<b>Average PO Attainment</b>	<b>Course 101</b>	<b>2.03</b>

**Target Average = 2.33**

**Difference = 2.33-2.03 = .30**

## Step 7 Ascertain Measures

$$\text{CO attainment Ratio of Course (x)} = \frac{\text{Average Co attainment} * \text{Average Corelation}}{3 (\text{Maximum attainment value})}$$

	PO1: Understanding of media and communication	PO2: Communication skills	PO3: Critical thinking and research skills	PO4: Ethics and social responsibility work	PO5: Technological proficiency systems	PO6: Global perspective
Target	2.75	2.75	2	2	2.5	2
<b>Achieved</b>	1.86	1.86	1.35	1.35	1.69	1.35
<b>Difference</b>	0.89	0.89	0.65	0.65	0.81	0.65

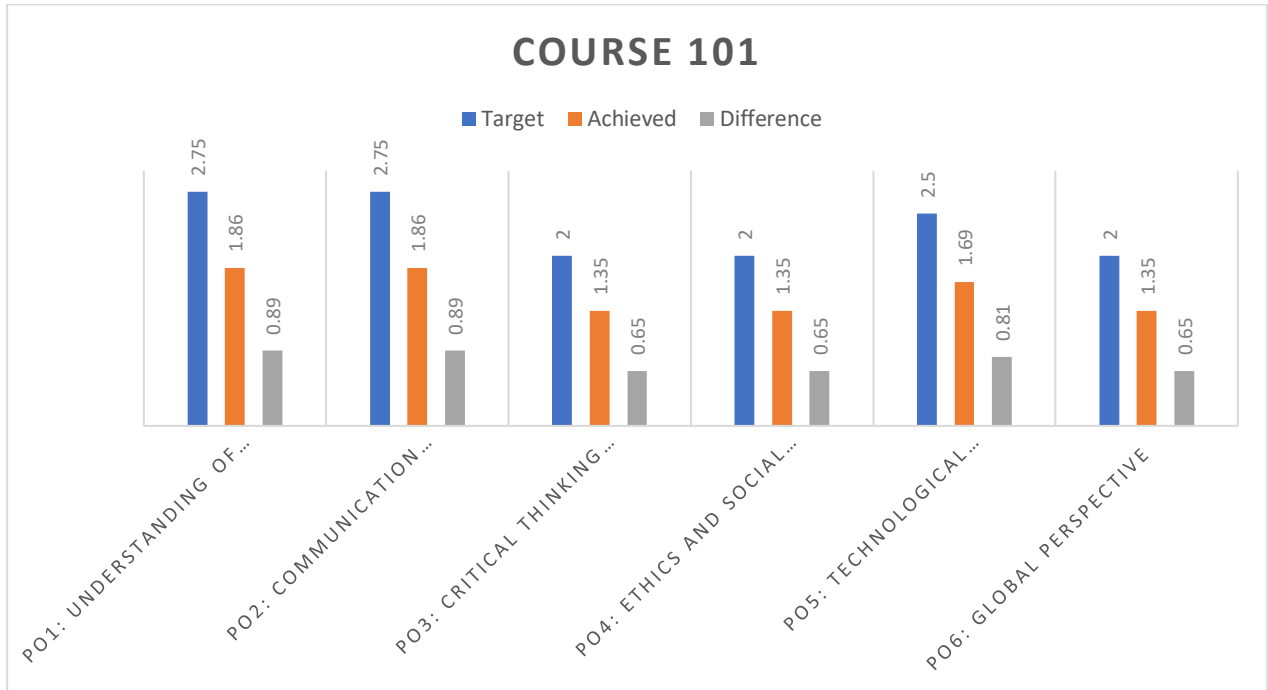
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