



## PRR & VS GOVT. COLLEGE VIDAVALURU

**SPSR NELLORE DIST., A.P**  
(Re-accredited with "B" Grade by NAAC)



### ATTAINMENT OF PROGRAMM OUTCOMES

#### DEPARTMENT OF ZOOLOGY

Attainment of programme outcomes and course outcomes are evaluated by the institution.

CO attainment: The course outcomes designed by the departments for each course is mapped to the programme outcomes of the college. The CO and PO attainment is methodologically measured with the scientific formulas. The attainment level depicts the objectives of the college .

The method of attainment is said as below:

1. CO – PO mapping for each course
2. Attainment of course outcomes
3. Attainment of program outcomes

#### 1.CO-PO mapping:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
1	✓		✓			✓		
2		✓		✓	✓			
3	✓						✓	
4	✓							✓
5		✓	✓					

From the above table it is evident that CO1 is mapped with PO1 , PO3 and PO6..

Similarly, CO2 is mapped with PO2 , PO4 and PO5 and the remaining follows the same procedure.

**Table 2. Attainment of CO:**

Table 2 explains the attainment of CO for particular course in which continuous internal assessment is 25% and external assessment i.e., SEE is 75%. The average of all students for internal and external assessments is calculated. Accordingly, bench mark is hypothesized and scaled down from 1 – 3 levels as:

<b>Sl.No.</b>	<b>Register Number</b>	<b>CIE for 25%</b>	<b>SEE for 75%</b>	<b>Total</b>
<b>1</b>	203125001	<b>25</b>	54	<b>79</b>
<b>2</b>	203125002	<b>25</b>	71	<b>96</b>
<b>3</b>	203125003	<b>12</b>	45	<b>57</b>
<b>4</b>	203125004	<b>20</b>	44	<b>64</b>
<b>5</b>	203125005	<b>15</b>	55	<b>70</b>
<b>6</b>	203125006	<b>25</b>	61	<b>86</b>
<b>7</b>	203125007	<b>16</b>	65	<b>81</b>
<b>8</b>	203125008	<b>25</b>	66	<b>91</b>
<b>9</b>	203125009	<b>17</b>	32	<b>49</b>
<b>10</b>	203125023	<b>17</b>	32	<b>49</b>
<b>11</b>	203125024	<b>17</b>	34	<b>51</b>
<b>Average</b>		<b>214/11=19.5</b>	<b>559/11=51</b>	<b>773/11=70.3</b>

Table 2 explains the attainment of CO for particular course in which continuous internal assessment (CIA) is for 25% and external assessment (SEE) 75%. The average attainment of all students for internal and external assessments is calculated.

Accordingly, bench mark is hypothesized and scaled down from 1 – 3 levels as:

Level 1 :  $\geq 50\%$

Level 2 :  $\geq 60\%$

Level 3 :  $\geq 75\%$

Formula Calculation =  $(\Sigma x) / 11$

### 3. Attainment of Programme Outcomes:

In a specific programme the mapped course outcomes with programme outcomes to be taken and assumed weighted average for each programme outcome should be calculated.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
<b>3</b>	<b>2</b>	<b>3</b>	3	3	2	3	2	2
<b>3</b>	<b>3</b>	<b>3</b>	3	1	3	2	2	2
<b>3</b>	<b>3</b>	<b>3</b>	2	3	2	3	2	2
<b>3</b>	<b>3</b>	<b>2</b>	3	3	2	3	2	1
<b>3</b>	<b>2</b>	<b>2</b>	2	3	3	2	2	2
<b>PO Attainment</b>	<b>3</b>	<b>3</b>	2.5	2.5	2.4	2.5	2	1.8

The above table displays the attainment of programme outcomes scaled to 1-3 levels. The average taken for each programme outcome is mentioned in the table. Each column denotes average attainment of each programme for all the core courses in the specific semester.

**FORMULA:** The average attainment level = Total attainment value / No of total programme outcomes

1. The average attainment level of all the programme outcomes is 2.42
2. Based on the attained outcome value each department analyses the gap and conducts a series of discussions to work out on the thrust areas in order to fulfil the attainment level.

As per the program outcomes designed by the APSHE each department prepares Course outcomes, Co-Po mapping for each course. All these are approved by the IQAC . Attainment of co-po was assessed by each department through the methodology provided by the institution. Co-po calculation was done as per the benchmark assigned by the institution. Observations on course attainment after completion of each course was prepared with respect to obtained result. A department meeting was conducted to discuss and made resolutions to attain the course and program outcomes. Finally, for each course observations and action taken reports were prepared by the teachers and these are submitted to IQAC after authentication by the Principal.

  
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