VESIT, Department of Electronics Engineering

Academic Year – 2020-21 (Odd Sem)

**SEM- VII/ D16 A/ Subject – ANT**

**Dr. Asawari Dudwadkar**

Mapping of Course Outcomes (COs) with Rubrics

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CO | Direct Methods (70%) | | | | | | | Indirect Methods (30%) | | |
| Test 1 | Test 2 | Assignment-1 | Assignment-2 | Viva | Practical | Theory | NPTEL | SEL / Pogil / Seminars | Course Exit Survey |
| CO1 | 97.33 | 99 | yes | y es | y |  | y | -- | yes | 95% |
| CO2 | 99 | 99 | yes | yes | y |  | y | -- | yes | 95.3 |
| CO3 | 99 | 98 | ---- | --- | y |  | y | -- | -- | 96.7% |
|  |  |  |  |  |  |  |  |  |  |  |

**Attainment of Cos**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CO | Direct Methods (70%)  Attainment of various Rubrics in percentage | | | | | | | | | Indirect Methods (30%)  Attainment of various Rubrics in percentage | | | | | Overall  Attainment  (100%)  Z=0.7\*X+0.3\*Y | |
| Test 1 | Test 2 | Assignment  1 | Assignment  2 | TW | Viva | Practical | Theory | Attainment  X | NPTEL | SEL /pogil/seminars | Course Exit Survey | Attainment  Y | | |  |
| CO1 | 97.33 | 99 | 100% | 100% | 100% | 100% | -- | 88 | 97 | -- | 90% | 95% | 92.5 | **94.38** | | |
| CO2 | 99 | 99 | 100% | 100% | 100% | 100% | -- | 89 | 94.15 |  | 87% | 95.3% | 91.15 | **96.84** | | |
| CO3 | 99 | 98 | ----- | ----- | --- | 100% | ---- | 93 | 95 |  | ---- | 96.7% | 92.7 | **97.47** | | |

**Name & Signature HOD / PAC member Name & Signature of Course Instructor**

**Dr. Asawari Dudwadkar**

**Remarks -** Attainment in percentage of each COs through Direct & Indirect methods is calculated separately by taking average of their respective rows.

**e.g.** 1) Attainment of CO1 through Direct method = (62+100+100+100+100+39)/6 = 84% =X

2) Attainment of CO1 through Indirect method = (84+87+85)/3 = 85.3% = Y

3) Overall Attainment of CO1 = 0.7\*X + 0.3\*Y = 84.4% =Z

**Note:-** 1) Attainment of each Rubric of Direct Method = percentage of student scoring 60% & above marks.

2) Attainment of each Rubric of Indirect Method.

Consider a survey form given below.

a, b, c, d, e are the questions of the survey form (SEL Feedback, Course Exit Form, any feedback form) & numbers in the cells are the marks given by the students.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sr. No. | Name of student | a | b | c | d | e |
| 1 | Amit | 4 | 5 | 3 | 4 | 5 |
| 2 | Saurabh | 3 | 5 | 4 | 4 | 5 |
| 3 | Ajay | 3 | 3 | 4 | 3 | 3 |
| 4 | Smita | 5 | 4 | 5 | 5 | 4 |
|  |  |  |  |  |  |  |

