**Department of …………………….**

**Attainment Level and Assessment Tools / Methods : 2022-23**

**1. ATTAINMENT LEVELS (2022-23)**

**1a. Attainment Levels : Theory Course**

| Assessment Methods | Level | Range of Students in a class / branch with target marks |
| --- | --- | --- |
| Direct Assessment  (Internal Evaluation) | 1 | <50% student secure 60% marks |
| 2 | >=50 <60% student secure 60% marks |
| 3 | >=60% student secure 60% marks |
| Direct Assessment  (External Evaluation) | 1 | <50% student secure 50% marks |
| 2 | >=50 <60% student secure 50% marks |
| 3 | >=60% student secure 50% marks |
| Indirect Assessment  (Course End Survey) | To be conducted at 3-point scale and weighted method is to be considered for Attainment Value of Indirect Assessment | |

**1b. Attainment Levels : Lab Course**

| Assessment Methods | Level | Range of Students in a class / branch with target marks |
| --- | --- | --- |
| Direct Assessment  (Internal Evaluation) | 1 | <50% student secure 70% marks |
| 2 | >=50 <60% student secure 70% marks |
| 3 | >=60% student secure 70% marks |
| Direct Assessment  (External Evaluation) | 1 | <50% student secure 70% marks |
| 2 | >=50 <60% student secure 70% marks |
| 3 | >=60% student secure 70% marks |
| Indirect Assessment  (Course End Survey) | To be conducted at 3 point scale and weighted method is to be considered for Attainment Value of Indirect Assessment | |

**2. ASSESSMENT TOOL (2022-23)**

**2a. Assessment Tool : Theory Course**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Subject Type | Assessment components | Assessment Method | Assessment Tool | Frequency per Semester |
| Theory  (all COs) | Direct Assessment  (80% weightage) | Internal Assessment  (30% ) weightage | Sessional-I;  Sessional-II ;  PUTs  Assignment / Quiz | One  One  One  One for each CO |
| External Assessment  (70% weightage) | University Examination | Once |
| Indirect Assessment  (20% weightage) | - | Course End Survey | Once |

**2b. Assessment Tool : Lab Course**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Subject Type | Assessment components | Assessment Method | Assessment Tool | Frequency per Semester |
| Lab  (all COs) | Direct Assessment  (80% weightage) | Internal Assessment  (30% weightage) | Quiz / Viva and  Continuous Evaluation | At the end of course / After every experiment |
| External Assessment  (70% weightage) | University Examination | Once |
| Indirect Assessment  (20% weightage) | - | Course End Survey | Once |

**3. ASSESSMENT METHODS AND WEIGHTAGE**

**3a. Assessment Methods**

To compute attainment value of COs, there are two type of assessment methods :

* 1. Direct Assessment b. Indirect Assessment

Further, Direct Assessment includes

1. Internal assessment (to be done at college level)
2. External assessment (to be done at university level)

Assessment Components for Direct Assessment (Internal)

* Written Tests (Sessional Tests / Class Tests), Pre University Tests
* Home-assignments, Quizzes
* Presentations, Viva, Models, Projects, Development of Teaching Aids
* Research Article Review, Case Study, Open Problem
* Continuous Assessment of Lab Work
* Group of any few can be defined / considered for CO-attainment (group of assessment methods may vary from one CO to another within the same course and similarly, for other courses)

Assessment Component for Direct Assessment (External)

* End Semester Exams

Assessment Component for Indirect Assessment

* Course End Survey / Teacher’s Feedback about the course

**3b. Weightage of Assessment Methods**

* The weightage of Direct and Indirect method is 80:20 percent.
* The weightage of Direct (Internal) and Direct (External) will be as per AKTU’s Marks Scheme. The marks distribution of a subject as per AKTU’s Teaching and Evaluation Scheme is as (any one) :

*Total Marks of Subject = 150 (Internal Marks = 50; External Marks = 100)*

*Total Marks of Subject = 100 (Internal Marks = 30; External Marks = 70)*

Considering higher side of external assessment; the weightage of Direct (Internal) and Direct (External) will be 30% and 70% respective. The same will be adopted for Lab.

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