

### **2.5.1 Mechanism of internal/ external assessment is transparent, and the grievance redressal system is time- bound and efficient**

- The institute conducts two internal assessment tests after completing 8<sup>th</sup> week and 16<sup>th</sup> week, respectively.
- Each test covers half of the syllabus. The tests are conducted for a maximum of 30 marks. (No minimum marks criteria from the university).
- The duration of the test is one and half hour and question paper is set to make the student to learn time management.
- Program Coordinator along with test coordinator is responsible for the conduction of the test.
- The department has a Scrutinizing Committee, comprising of HOD and two senior faculty members to check the quality of the question paper, revised blooms taxonomy (BTL) levels and COs compliance.

#### **Process for Internal Assessment Test Question Paper Setting:**

- The course Instructor sets the question paper for the Internal Assessment.
- The course Instructor ensures to frame questions based on various BTL levels and is mapped to the CO assess the students at various BTL levels.

#### **Procedure for Conduction and Evaluation of Internal Assessment Test:**

The time table for the Internal Assessment Test will be designed as per academic calendar and the dates are announced and kept in the noticeboard 15 days prior to the commencement of the test.

#### **Question Papers:**

- For each subjects, question bank is prepared. While setting the question paper, all previous university exam papers are taken in to consideration.
- According to level of toughness, the questions are prepared (viz., analyzing the problems, implementation of modern tools, formulating the problems etc), which is termed as Bloom's Taxonomy.

**The questions will be of three categories:**

- One third of the questions is straight and can be answered by all students.
- One third of the questions need analysis and use of content covered as per the syllabus.
- Remaining one third of the questions are not straight. Certain amount of thinking, analysis and mathematical knowledge are required to resolve.

**A question paper template is shown in the following figure**

	<b>LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY: MADALAVARIGUDEM</b>		
	<b>I Mid Term Examination</b>		
	<b>Course: II B.Tech.-II Sem.</b>		<b>SET-1</b>
	<b>Subject:</b>	<b>Date:</b>	
	<b>Branch:</b>	<b>Max.Marks:30</b>	<b>Time: 90 Min</b>
	<b>ANSWER ALL THREE QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.</b>		
1	A)	[CO-1, BTL-2]	5M
		[CO-1, BTL-1]	5M
2	A)	[CO-2,BTL-1]	5M
		[CO-2,BTL-2]	5M
3	A)	[CO -3,BTL-4]	10M

**Assignments:**

- Assignment issue and submission dates are announced by the respective faculty members. Assignment questions are prepared using Bloom's Taxonomy process. Surprise test, quizzes are conducted.
- In order to bridge the gap in curriculum, bright students are given some assignment beyond syllabus.
- Assignments are evaluated and feedback is given to the students to improve their learning and appreciate their efforts

**Evaluation:**

- After every internal assessment test, the faculty members explain the solution of

the questions in the class which will enable them to perform well in the final examination.

- For R-16 regulation, 80% of the marks are considered from one of the internal and 20% of the marks are considered from the other internal exam
- If a candidate remains absent for all the tests conducted, the Internal assessment marks are marked as “Absent” in the result

### Process to ensure questions from outcomes/learning levels perspective

#### Sample internal Examination Question paper with analysis I-Internal Examination Paper

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY: MADALAVARIGUDEM I Mid Term Examination JAN 2020			
Course: <u>III-B.Tech.-I Sem.</u> Subject: DWDM Branch: CSE		Max.Marks:30	SET-3 Date: 25-01-2020 Time: 90 Min
ANSWER ALL THREE QUESTIONS.		ALL QUESTIONS CARRY EQUAL MARKS.	
1	A) Briefly Describe Key features of Data ware housing	[CO-1,BTL-2]	5M
	B) What are the challenges in data mining	[CO-1,BTL-1]	5M
2	A) Briefly describe measures for selecting the best split?	[CO-2, BTL-1]	5M
	B) What is data characterization and data discrimination? why these are required	[CO-2, BTL-2]	5M
3	A) Explain is concept hierarchy generation? describe Concepts hierarchy generation in categorical data	[CO-3,BTL 2]	10M

#### Sample internal Examination Question paper with analysis II-Internal Examination Paper

LINGAYAS INSTITUTE OF MANAGEMENT AND TECHNOLOGY: MADALAVARIGUDEM II Mid Term Examination March 2020			
Course: <u>III-B.Tech.-I Sem.</u> Subject: DWDM Branch: CSE		Max.Marks:30	SET-1 Date: 13-03-2020 Time: 90 Min
ANSWER ALL THREE QUESTIONS.		ALL QUESTIONS CARRY EQUAL MARKS.	
1	A) Explain naive bayes algorithm?	[CO-1,BTL-2]	10M
2	A) State association rules?	[CO-2, BTL-1]	5M
	B) Give the example for association rules?	[CO-2, BTL-2]	5M
3	A) Explain about K-Means cluster?	[CO-3,BTL 2]	5M
	B) What is cluster analysis and Outliers?	[CO-3,BTL-2]	5M

### Evidence of COs coverage in class test / mid-term tests

Name of the Course: DWDM

Academic Year: 2019-20

Course Code: C302

Year & Semester: III Year-II sem

Branch & section: CSE-A

### I-Internal Examination Paper Quality Analysis

Q.No	Question	Marks	CO	BTL
1.a	Briefly describe key features of data warehouse.	5	C302.1	Understand
1.b	What are challenges of data mining?	5	C302.1	Understand
2 a	Briefly describe the measures for selecting the best split	5	C302.2	Apply
2.b	What is data characterization and data discrimination? Why these are required?	5	C302.2	Apply
3	What is concept hierarchy generation? Describe Concept Hierarchy Generation for Categorical Data	10	C303	Analyze

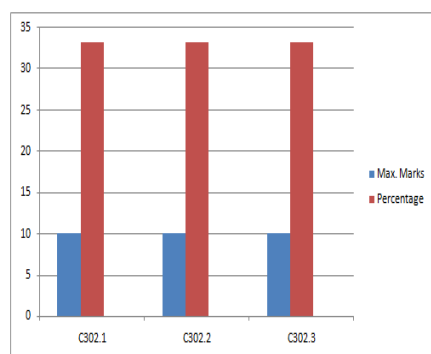
### CO Wise marks Distribution

CO	Marks	%
C302.1	10	33.3
C302.2	10	33.3
C302.3	10	33.3

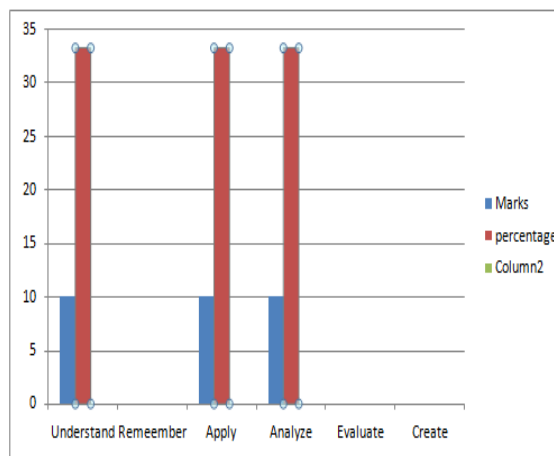
### Blooms wise marks Distribution

BTL	Marks	%
L1- Remember	0	0
L2-Understand	10	33.3%
L3-Apply	10	33.3%
L4-Analyze	10	33.3%
L5-Evaluate	0	0.00
L6-Create	0	0.00

CO-wise marks distribution



BTL level wise marks Distribution



Name of the Course : DWDM

20Course Code: C302

Branch & section: CSE-A

Academic Year: 2019 –

Year & Semester: III Year II Sem

## II-Internal Examination Paper Quality Analysis

Q. No	Question	Marks	CO	BTL
1 a	Explain about Navie Bayes Classifier	10	C302.4	Apply
2 a	Explain Association rule	5	C302.5	Understand
2 b	Give example for association rule	5	C.302.5	Apply
3 a	Explain K-Means Clustering.	5	C.302.6	Apply
3 b	What is cluster analysis and outliers.	5	C.302.6	Apply

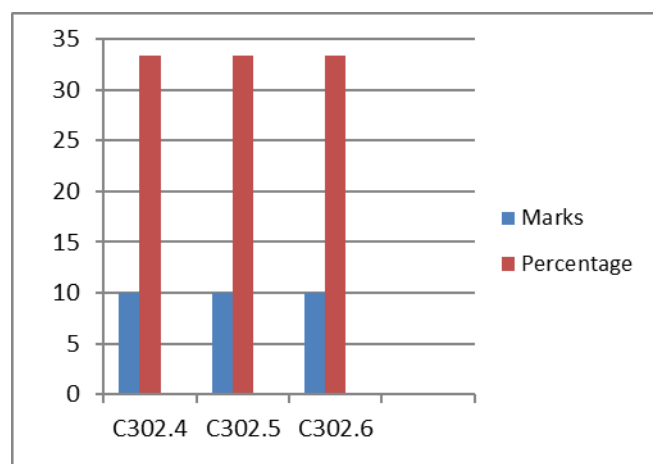
### CO Wise marks Distribution

CO	Marks	%
C302.4	10	33.3
C302.5	10	33.3
C302.6	10	33.3

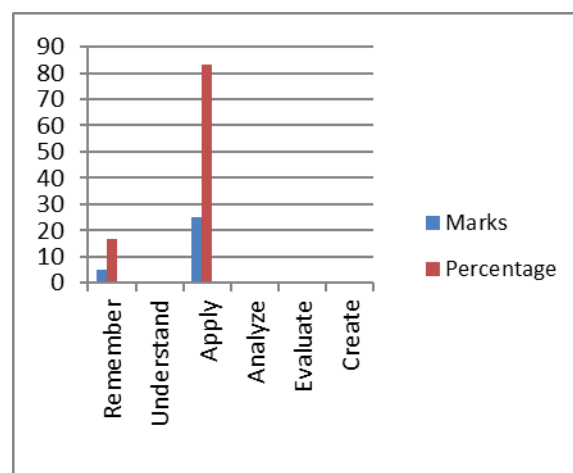
### Blooms wise marks Distribution

BTL	Marks	%
L1-Remember	0	0
L2-Understand	5	16.65
L3-Apply	25	83.25
L4-Analyze	0	0
L5-Evaluate	0	0
L6-Create	0	0

### CO-wise marks distribution



### BTL level wise marks Distribution



**D. Quality of Assignment and its relevance to COs:  
Sample Assignment paper with analysis**

Name of the Course: DWDM

Academic Year: 2018–19

Year & Semester: III year I sem

Course code: C302

Branch & section: CSE-A

**Assignment Paper Quality Analysis**

S.No	Question	Marks	CO	BTL
Assignment-1	Discuss about various data warehouse models from the architecture point of view?	5	C302.1	Understand
	What is a concept hierarchy? Describe the OLAP operations in the Multidimensional data model?	5	C302.2,3	Apply
Assignment-2	Explain how to mine multilevel association rules?	5	C302.5	Apply
	Explain frequent item sets without candidate generation?	5	C302.6	Apply

**CO Wise marks Distribution**

CO	Marks	%	Assign ment No
C302.1	5	25	1
C302.2	5	75	
C302.3			
C302.4	0		2
C302.5	5	50	
C302.6	5	50	

**Blooms wise marks Distribution**

Taxonomy Level	Marks	%
L1-Remember	0	
L2-Understand	5	25
L3-Apply	15	75
L4-Analyze	0	
L5-Evaluate	0	
L6-Create	0	

**Evaluation of Scripts:**

The internal examination answer sheets are evaluated by course handling faculty within Three days from date of the examination. The assessed internal test papers are shown to the students for self-assessment.

The general grievances expressed by the students with regard to internal examinations are:

- Dissatisfaction regarding evaluation of the descriptive answer scripts
- Discrepancy in totalling of the marks
- Wrong posting in mark sheets
- Discrepancy in totalling of aggregate internal marks
- Problems in downloading and submission of the objective question paper
- Wrong options in objective question paper

Students frequently bring difficulties to the faculty's attention, such as disparities in rating or totalling, which are promptly remedied. Any student who is still dissatisfied with the evaluation and award of grades should contact the department's chair. The department head may intervene and seek the advice of another faculty member who handled the course. The institute uses a transparent assessment approach that includes posting student performance on departmental notice boards. If the student is still unhappy, he or she can file a complaint with the Principal, who will take appropriate action.