# Assessment:

| No. | Assessment Methods | Weighing | | | Remarks |
|---|---|---|---|---|---|
| 1 | Continuous Assessment | 35% | 7% | Attendance | To measure how well students have learned throughout the semester. |
| | | | 15% | Quiz (Min 3 Quizzes) | |
| | | | 5% | Assignment | |
| | | | 8% | Presentation | |
| | | | | | |
| 2 | Examinations | 65% | 25% | MID term exam | To measure how far students have achieved the learning outcomes. |
| | | | 40% | Final Exam | |

# Mapping of Assessment with Learning Outcomes (LO's):

**Mapping of Assessment with Learning Outcomes (LO's):**

| No. | Learning Outcome | Course Assessment Methods | | | | | |
|---|---|---|---|---|---|---|---|
| | (LO'S) | Attendance | Quiz | Presentation | Assignment | MID | FINAL |
| 1 | Describe different aspect of theory of computing | x | x | | | | |
| 2 | Explain the basic concepts Automata Theory | x | x | | | x | |
| 3 | Identify Deterministic Finite Automata (DFA),Non-deterministic Finite Automata (NFA), Push Down Automata and Turing Machine | x | x | | x | x | |
| 4 | To be able to compute and construct DFA & NFA problems | x | x | | x | x | |
| 5 | To be able to convert a NFA to DFA | x | x | x | x | x | |
| 6 | To be able to identify the equivalence of regular expression and language | x | x | | x | | X |
| 7 | To be able to understand different types of languages and their functionality | x | x | x | x | | X |

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|---|---|---|---|---|---|---|---|
| 8 | To be able to implement any problem in terms of push down automata and Turing machine problems. | x | x | x | x | | X |

# Rubrics:

| No. | Weighing | Letter Grade | Category | Description |
|---|---|---|---|---|
| 1 | 80% | A+ | Outstanding | Very Strong evidence of having achieved all the LO's and demonstration of exceptional mastery of programming knowledge and skills.<br><br>Able to develop correct programs to solve problems<br><br>Demonstration of exceptional mastery of program design, testing and debugging. |

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| 2 | 75% | A | Excellent | Strong evidence of having achieved all the LO's and demonstration of mastery of programming knowledge and skills.<br><br>Able to develop correct programs to solve problems<br><br>Demonstration of mastery of program design, testing and debugging. |
| 3 | 70% | A- | Very Good | Evidence of having achieved 90% of the LO's with good understanding of programming knowledge and skills.<br><br>Able to develop correct programs to solve problems<br><br>Demonstrate a complete level of program design, testing and debugging. |
| 4 | 65% | B+ | Good | Evidence of having achieved 80% of the LO's with understanding of programming knowledge and skills.<br><br>Able to develop correct programs to solve problems<br><br>Demonstrate a complete level of program design, testing and debugging. |
| 5 | 60% | B | Satisfactory | Evidence of having achieved 70% of the LO's with basic understanding of programming knowledge and skills.<br><br>Able to develop acceptable solution to solve problems<br><br>Demonstrate a adequate level of program design, testing and debugging |
| 6 | 55% | B- | Above Average | Evidence of having achieved 60% of the LO's with minimal understanding of programming knowledge and skills. |

| | | | | |
|---|---|---|---|---|
| | | | | Able to provide solution to simple problems<br><br>Demonstrate a basic level of program design, testing and debugging |
| 7 | 50% | C+ | Average | Evidence of having achieved 50% of the LO's with minimal understanding of programming knowledge and skills.<br><br>Able to provide solution to simple problems.<br><br>Demonstrate a basic level of program design, testing and debugging. |
| 8 | 45% | C | Below Average | Evidence of having achieved 40% of the LO's with minimal understanding of programming knowledge and skills.<br><br>Able to provide solution to very simple problems.<br><br>Demonstrate a low level of program design, testing and debugging. |
| 9 | 40% | D | Pass | Evidence of having achieved 30% of the LO's with little understanding of programming knowledge and skills.<br><br>Able to provide solution to very simple problems.<br><br>Demonstrate a very lower level of program design, testing and debugging. |
| 10 | <40 | F | Fail | Evidence of having achieved below 30% of the LO's with very little understanding of programming knowledge and skills.<br><br>Unable to provide solution to very simple problems.<br><br>Programming knowledge and skills falling below the basic minimum level. |