

# FOUR YEAR UNDER GRADUATE PROGRAM(2024-28)

DEPARTMENT OF MATHEMATICS

COURSE CURRICULUM -2024-25

<b>Part A: Introduction</b>			
<b>Program: Bachelor in Science (Certificate/Diploma/Degree/Honors)</b>		SEMESTER-II/IV/V/VI	Session: 2024-2025
1	Course Code	<b>MASEC-1</b>	
2	Course Title	<b>Introduction to LATEX</b>	
3	Course Type	Skill Enhancement Course (SEC)	
4	Pre-requisite (if, any)	Basic understanding of document editing, familiarity with markup languages, and willingness to learn LaTeX syntax and formatting conventions.	
5	Course Learning Outcome (CLO)	<b>This Course will enable the students to:</b> <ul style="list-style-type: none"> <li>➤ Make different Alignments in a document and an Application for a job.</li> <li>➤ Generate Bio-Data, and Table Structures.</li> <li>➤ Create Mathematical Statements using LaTeX.</li> <li>➤ Prepare Articles and Inserting Pictures.</li> <li>➤ Prepare Question paper and PowerPoint presentation in LaTeX format.</li> </ul>	
6	Credit Value	2 Credits (1C + 1C)	<i>Credit = 15 Hours – Theoretical learning and = 30 Hours Laboratory or Field learning/Training</i>
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20

<b>Part B: Content of the Course</b>		
Total No. of Teaching-learning Periods: Theory – 15 Periods (15 Hrs) and Lab. or Field learning/Training 30 Periods (30 Hours)		
Unit	Topics (Course contents)	No. of Period
I	<b>Basics:</b> Introduction to LaTeX, Text, Symbols and Commands, Document layout and organization, displayed text. Mathematical formulas, Graphics inclusion and color. Floating tables and figures, User customizations. <b>Beyond the Basics:</b> Document management, Postscript and PDF, Beamer, Frames, Bibliographic data bases and BiBTeX, Presentation material.	15
II	<b>Practicals Based on-</b> <b>1.Introduction to TeX and LaTeX-</b> Creating and typesetting a simple LaTeX document, <b>2.Adding basic information to documents-</b> Environments, Footnotes, Sectioning, Displayed material. <b>3.Accents and symbols-</b> Mathematical typesetting (elementary and advanced): Subscript/ Superscript, Fractions, Roots, Ellipsis,	30

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<b>Assessment and Evaluation</b>		
Suggested Continuous Evaluation Methods:		
Maximum Marks: 50 Marks		
Continuous Internal Assessment (CIA): 15 Marks		
End Semester Exam (ESE): 35 Marks		
Continuous Internal Assessment (CIA): (By Course Coordinator)	Internal Test / Quiz-(2): 10 & 10 Assignment/Seminar +Attendance - 05 Total Marks - 15	Better marks <b>50/55</b> two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks
End Semester Exam (ESE):	Laboratory / Field Skill Performance: On spot Assessment A. Performed the Task based on learned skill - 20 Marks B. Spotting based on tools (written)	Managed by Coordinator as per skilling

