Tally
POWER OF SIMPLICITY

INSTITUTE OF Tally LEARNING ™

TALLY.ERP 9 WITH GST

CSC
COMPUTER SOFTWARE COLLEGE
An ISO 9001 : 2015 Certified Institution

Certificate Programme – LaTeX for Mathematics

Code: M9XX
Year/Semester: II / III   **Credits: 2***   **Hours: 30/Sem**

Objective: To train students in the preparation of projects and dissertations using LaTex.

Unit – I: Basic Document and Bibliography
What is LATEX – Simple typesetting – Fonts Type size – Document class – page style – page numbering – Formatting lengths – parts of a document – Dividing the document – what next? – Introduction – natbib – The BIBTEX program – BIBTEX Style files – Creating a bibliographic database.
(Chapters 1 - 4)

Unit - II: Contents, Index, Glossary, Text, Row and Column
Table of contents – Index – Glossary. Borrowed words – Poetry in typing – Making lists – When order matters – Description and definitions.
(Chapters 5 - 7)

Unit – III: Typesetting Equations and Theorems
Keeping tabs – Tables – The basics – Custom commands – More on mathematics – mathematics miscellany – New operations– The many fact of mathematics – Symbols – Theory in LATEX – Designer theorem-the amsthm package – Housekeeping.
(Chapters 8 - 9)

Unit - IV: Several Kinds of boxes and Floats
LR boxes – Paragraph boxes – Paragraph boxes with specific height – Nested boxes – Role boxes – The figure environment – The table environment.
(Chapters 10 - 11)

Unit – V: Cross References in LATEX, Footnotes, Margin pars and Endnotes
Why cross reference? – Let LATEX do it – Pointing to a page-the package varioref – Pointing outside-the package xr – Lost the keys? Use lables.tex – Footnotes – Marginal notes – Endnotes.
(Chapters 12 - 13)

Book for Study

1. A Primer, *Latex Tutorials*, Indian TEX users group, Trivandrum, India.www.tug.org.in

Books for Reference

1. Peter Flynn, *A beginner's introduction to typesetting with LATEX*, Silmaril Consultants, Textual Therapy Division, 2003.
2. George Gratzer, *More Math into LATEX*, 4th Edition, Springer Science, 2007.
3. Frank Mittelbach, Michel Goossens, *The LaTex Companion*, Second Edition, Addison-Wesley, 2004.
4. Apostolos Syropoulos, Antonis Tsolomitis, Nick Sofroniou, *Digital Typography using Latex*, With 68 Illustrations, Springer-Verlag, 2003.

5. Dr Helmut Kopka, Dr Patrick Daly, *A Guide to Latex: Document preparation for beginners and advanced users*, Addison Wesley; 3rd edition (4 January 1999)

Course Learning Outcomes

This course will enable the students to:
- ➤ prepare documents with paragraphs and sections
- ➤ insert mathematical expressions and numbered equations
- ➤ format theorems, tables and figures
- ➤ organize chapters in the preparation of projects
- ➤ prepare and publish research articles.

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E Learning Resources: https://www.latex-tutorial.com/tutorials/
https://www.tug.org/twg/mactex/tutorials/ltxprimer-1.0.pdf
https://www.latex-tutorial.com
http://www.tug.org.in/tutorials.html
https://miktex.org/
http://www.docs.is.ed.ac.uk/skills/documents/3722/3722-2014.pdf

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https://www.tug.org/twg/mactex/tutorials/ltxprimer-1.0.pdf
https://www.latex-tutorial.com
http://www.tug.org.in/tutorials.html
https://miktex.org/
http://www.docs.is.ed.ac.uk/skills/documents/3722/3722-2014.pdf

Angular JS Syllabus

Introduction

Introduction to AngularJS

MVC Architecture

Conceptual Overview

Setting up the Environment

First Application

Understanding ng attributes

Expressions and Data Biding

Number and String Expressions

Object Binding and Expressions

Working with Arrays

Forgiving Behavior

Understanding Data binding

Working with Directives

Conditional Directives

Styles Directives

Mouse and Keyboard Events Directives

Controllers

Understanding Controllers

Programming Controllers & $scope object

Adding Behavior to a Scope Object

Passing Parameters to the Methods

Having Array as members in Controller Scope.

Nested Controllers and Scope Inheritance.

Multiple Controllers and their scopes

Filters

Built-In Filters

Uppercase and Lowercase Filters

Currency and Number Formatting Filters

OrderBy Filter

Forms

Using Simple Form

Working with Select and Options

Input Validations

Using CSS classes

Form Events

Custom Model update triggers

Custom Validations

Certificate Course Syllabus

Semester - III

Certificate in NGO Management

Unit – I – Concepts and Functions of NGO
Introduction – What is an NGO? – Define NGO – Does the Government Recognize NGOs? – Kinds of NGO's Functioning in India – Working of NGOs – NGO Environment – Issues in NGO Management - Aid to Development – Poverty and Development – Poverty and Exploitation – Poverty and Powerlessness – Development Indicators .

Unit – II Problem Identification
Introduction – Problem Identification – Problems of NGOs – Strengthening Voluntary Efforts – Managing People – Governance – Governance and Management – Need for Good Governance for NGOs – Ethical Challenges – Leadership – Need for Leadership with values .

Unit – III Strategy and Planning
Elements of Strategy – Introduction – Understanding your organization – Organization Development- Strategy and Planning – Strategy in the Management World – Elements of a Strategic Plan – Core Values – Strategic Goals.

Unit – IV: SWOT Analysis
Introduction – SWOT analysis – Meaning of Strengths and Weakness – Alternative Formats to Analyze Strengths and Weaknesses – Matching Strength and Weaknesses– The concept of Synergy.

Unit - V: Process of Management & Reporting
Planning – Organizing – Staffing – Directing – Controlling – Coordinating - Introduction to Communications– General Guidelines in Preparing Reports – Procedure of Reporting – Stages in Reporting – Long Reports – Short Reports.

Reference Books

1. Abell, Derek F and John S. Hammond: Strategic Market Planning: Problems and Analytical Approaches, Prentice Hall, Eliglewood Cliffs: New Jersey
2. Peter Drucker: Tasks, Responsibilities, Practice, New York: Harper & Row
3. Ansoff, H Igor: Business Strategy, Penguin Books Limited, Harmondsworth
4. Porter, Michael E: Competitive Strategy: Techniques for Analyzing Industries and Competitors, The Free Press, A Division of Macmillan publishing Co

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Semester - IV

Certificate in Tourism Management

Unit - I

Definition of tourism and the need for tourism.The birth, growth and development of tourism - factors influencing growth of tourism - tourism in India and abroad.

Unit - II

Tourism - planning -need for planning - government's role in planning - tourism under five year plans. Tourism marketing -concepts and importance - marketing functions in tourism - tourist marketing mix.

Unit-III

Tourism and culture - tourism and people: tourism and economic development - tourism and growth of related industry, tourism and employment.

Unit - IV

Tourism pricing - methods of pricing - tourism promotion - advertising costs - steps in planning an advertising campaign -tourist publicity.

Unit-V

Tourism and government administrative systems - ministry of tourism - department of tourism -Indian tourism development corporation -world tourism organization -travel agents in India.

Reference Books

1. Tourism and hotel industry in India -Anand M.M.
2. Perspectives of Indian Tourism in India - Clib SN.
3. Successful tourism management - Pran Nath Seth.
4. The management of tourism - Bukart A J.
5. The social implications of tourism development - Butler R W