

**Telangana Tribal Welfare Residential Degree  
college (Women)  
DEVARAKONDA**

**Department of COMPUTER SCIENCE**

**Synopsis**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA2018-2019**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCS</b>	<b>Semester: I</b>
<b>Subject: PROGRAMMING IN C</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. INTRODUCTION OF COMPUTERS</li><li>2. MEMORY HIERARCHY</li><li>3. INTRODUCTION TO OS</li><li>4. PROGRAM FUNDAMENTALS</li><li>5. ALGORITHMS</li><li>6. BASIC OF C</li><li>7. C-TOKENS</li><li>8. TYPE CONVERSION</li></ol>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ol style="list-style-type: none"><li>1. Classification of computer</li><li>2. Anatomy of computer</li><li>3. Generation and classification of programming language</li><li>4. Procedure and associativity</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami

Student activity planned/ homework given:	Creating a new programmes
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	<ol style="list-style-type: none"> <li>1. Formated and non- formatted input / output</li> <li>2. Control Statements</li> <li>3. Special control Statements</li> <li>4. Array</li> <li>5. strings</li> </ol>
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	<ol style="list-style-type: none"> <li>1. Escape squences</li> <li>2. Selection staements</li> <li>3. Iterative statements</li> <li>4. Go to, break, continue, return, Exit</li> <li>5. 1 -D array &amp; 2-D array</li> <li>6. Functions from ctype.h</li> </ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami

Student activity planned/ homework given:	Creating a new programmes
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	<ul style="list-style-type: none"> <li>6. Functions</li> <li>7. Call by value</li> <li>8. Call by reference</li> <li>9. pointers</li> </ul>
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	<ul style="list-style-type: none"> <li>7. FUNCTIONS</li> <li>8. TYPES OF FUNCTIONS</li> <li>9. Arrays to pointers</li> <li>10. Pointers to pointers</li> <li>11. Pointers to arrays</li> <li>12. pointers</li> </ul>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami

Student activity planned/ homework given:	Creating a new programmes
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**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCS	<b>Semester:</b> I
<b>Subject:</b> PROGRAMMING IN C	<b>Topic:</b> User defined data types
Learning objectives:	<ol style="list-style-type: none"> <li>1. Declaring a structure</li> <li>2. Structure Vs union</li> <li>3. Emmeration types</li> </ol>
Previous knowledge required:	Knowledge required from text books
Synopsis:	<ol style="list-style-type: none"> <li>1. Intiialzation of structure</li> <li>2. Array of structure</li> </ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester :II</b>
<b>Subject :PROGRAMMING IN C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	9. INTRODUCTION OF COMPUTERS 10. MEMORY HIERARCHY 11. INTRODUCTION TO OS 12. PROGRAMM FUNDAMENTALS 13. ALGORITHMS 14. BASIC OF C 15. C-TOKENS 16. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	5. Classification of computer 6. Anatomy of computer 7. Generation and classification of programming language 8. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course /Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	10. Formatted and non- formatted input / output 11. Control Statements 12. Special control Statements 13. Array 14. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	1.OVERLOADING CONSTRUCTORS 2.ARRAYS OF OBJECTS 3.AGGREGATION 4.OBJECT CONVERSION 5.INSTANCE AND STATIC
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course/Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	1.MULTIPLE INHERITANC 2.CLASS HIERARCHIES 3.ABSTRACT BASE CLASSESs  4.PURE VIRTUAL FUNCTIONS  5.REDEFINING BASE CASE FUNCTIONS
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	13. FUNCTIONS 14. TYPES OF FUNCTIONS 15. Arrays to pointers 16. Pointers to pointers 17. Pointers to arrays 18. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
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<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester : II</b>
<b>Subject: PROGRAMMING IN C++</b>	<b>Topic :Exceptions and Templates</b>
Learning objectives:	4. Exception 5. Template 6. Types of template
Previous knowledge required:	Knowledge required from text books
Synopsis:	3. THROWING AN EXCEPTION 4. HANDLING AN EXCEPTION 5. MULTIPLE EXCEPTION 6. RETHROWING AN EXECPTION 7. HANDLING THE BAD ALLOC EXCEPTION
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> III
<b>Subject:</b> DATA STRUCTURES through C++	<b>Topic:</b> introduction
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction</li><li>2. Data types</li><li>3. Type casting</li><li>4. Conditional statements</li><li>5. Classes objects</li></ol>
Previous knowledge required:	Knowledge require from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1.types of data</li><li>2.Algorithm</li><li>3.application of stack</li><li>4.array</li><li>5.flowchart</li><li>6.memory representation</li><li>7.three d -array</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:III</b>
<b>Subject:DATA STRUCTURES through C ++</b>	<b>Topic:introduction to recursion</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Queue</li><li>2. Types of recursion function</li><li>3. Types of link list</li><li>4. Left pointer, right pointer data</li><li>5. Circular linked list</li><li>6. Algorithm</li><li>7. Stack</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1. Main thread</li><li>2. Synchronization</li><li>3. Types of events</li><li>4. Awt introduction</li><li>5. File input/output stream class</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Trees graphs hashing</b>
Learning objectives:	8. Event handling 9. Awt 10. Swing 11. Database handling using JDBC 12. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Representation of general trees 2.Binary tree 3. Advantages& disadvantages 4. Binary tree travels 5. Pre order travels 6. Algorithim
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

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<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Sorting searching and heaps</b>
Learning objectives:	13. Event handling 14. Awt 15. Swing 16. Database handling using JDBC 17. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Sorting 2.Quick sort 3.Heaps 4.Data types 5. Binary search 6. Graph travels
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	18. File based system 19. Logical DBMS Architecture 20. DBA function role 21. Relational and ER Models 22. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	6. Advantages and disadvantages of DBMS 7. Physical DBMS Architecture 8. Types of database 9. Data models 10. Relational model 11. Relational constraints 12. Entity relationship architecture 13. Types of database 14. Data models 15. Relational model 16. Relational constraints 17. Entity relationship (ER) model 18. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



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<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	6. Data definition languages 7. manipulation 8. Data control language 9. Queries using order 10. Nested queries
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	19. SQL 20. DDL 21. DML 22. DCL 23. VIEWS 24. MY SQL
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

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DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> IV
<b>Subject:</b> DBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	11.NORMALIZATION 12. FUNCTIONAL DEPEDNDENCIY 13. ANAMOLIES
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	25. NORMALIZATION 26. 1NF 27. 2NF 28. 3NF 29. BCNF 30. The keys 31. Dependencies 32. Rules of data Normalisation 33. Attribute preservation
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> IV
<b>Subject:</b> DBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	<ol style="list-style-type: none"><li>1. Transactions</li><li>2. Dead lock</li><li>3. Optimistic concurrency control</li><li>4. Database recovery and security</li><li>5. Backup and recovery techniques</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>34. Concurrent transactions</li><li>35. Serializable schedules</li><li>36. Deadlock prevention, detection and avoidance</li><li>37. Failures controlling methods</li><li>38. Database errors</li><li>39. Security &amp; integrity</li><li>40. Database security</li><li>41. RAID</li></ol>
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA2019-2020**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCS	<b>Semester:</b> I
<b>Subject:</b> PROGRAMMING IN C	<b>Topic:</b> COMPUTER FUNDAMENTALS
Learning objectives:	17. INTRODUCTION OF COMPUTERS 18. MEMORY HIERARCHY 19. INTRODUCTION TO OS 20. PROGRAMM FUNDAMENTALS 21. ALGORITHMS 22. BASIC OF C 23. C-TOKENS 24. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	9. Classification of compuer 10. Anatomy of computer 11. Generation and classification of programming language 12. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and pieace of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	15. Functions 16. Call by value 17. Call by reference 18. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	19. FUNCTIONS 20. TYPES OF FUNCTIONS 21. Arrays to pointers 22. Pointers to pointers 23. Pointers to arrays 24. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester :II</b>
<b>Subject :PROGRAMMING IN C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	25. INTRODUCTION OF COMPUTERS 26. MEMORY HIERARCHY 27. INTRODUCTION TO OS 28. PROGRAMM FUNDAMENTALS 29. ALGORITHMS 30. BASIC OF C 31. C-TOKENS 32. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	13. Classification of computer 14. Anatomy of computer 15. Generation and classification of programming language 16. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course /Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	19. Formatted and non- formatted input / output 20. Control Statements 21. Special control Statements 22. Array 23. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	1.OVERLOADING CONSTRUCTORS 2.ARRAYS OF OBJECTS 3.AGGREGATION 4.OBJECT CONVERSION 5.INSTANCE AND STATIC
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course/Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	1.MULTIPLE INHERITANC 2.CLASS HIERARCHIES 3.ABSTRACT BASE CLASSESs 4.PURE VIRTUAL FUNCTIONS 5.REDEFINING BASE CASE FUNCTIONS
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	25. FUNCTIONS 26. TYPES OF FUNCTIONS 27. Arrays to pointers 28. Pointers to pointers 29. Pointers to arrays 30. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester : II</b>
<b>Subject: PROGRAMMING IN C++</b>	<b>Topic :Exceptions and Templates</b>
Learning objectives:	7. Exception 8. Template 9. Types of template
Previous knowledge required:	Knowledge required from text books
Synopsis:	8. THROWING AN EXCEPTION 9. HANDLING AN EXCEPTION 10. MULTIPLE EXCEPTION 11. RETHROWING AN EXECPTION 12. HANDLING THE BAD ALLOC EXCEPTION
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:III</b>
<b>Subject:DATA STRUCTURES through C ++</b>	<b>Topic:introduction to recursion</b>
Learning objectives:	23. Queue 24. Types of recursion function 25. Types of link list 26. Left pointer, right pointer data 27. Circular linked list 28. Algorithm 29. Stack
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	42. Main thread 43. Synchronization 44. Types of events 45. Awt introduction 46. File input/output stream class
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Trees graphs hashing</b>
Learning objectives:	30. Event handling 31. Awt 32. Swing 33. Database handling using JDBC 34. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Representation of general trees 2.Binary tree 3. Advantages& disadvantages 4. Binary tree travels 5. Pre order travels 6. Algorithim
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	6. Data definition languages 7. manipulation 8. Data control language 9. Queries using order 10. Nested queries
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	47. SQL 48. DDL 49. DML 50. DCL 51. VIEWS 52. MY SQL
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> IV
<b>Subject:</b> DBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	11.NORMALIZATION 12. FUNCTIONAL DEPEDNDENCIY 13. ANAMOLIES
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	53. NORMALIZATION 54. 1NF 55. 2NF 56. 3NF 57. BCNF 58. The keys 59. Dependencies 60. Rules of data Normalisation 61. Attribute preservation
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> IV
<b>Subject:</b> DBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	6. Transactions 7. Dead lock 8. Optimistic concurrency control 9. Database recovery and security 10. Backup and recovery techniques
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	62. Concurrent transactions 63. Serializable schedules 64. Deadlock prevention, detection and avoidance 65. Failures controlling methods 66. Database errors 67. Security & integrity 68. Database security 69. RAID
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course/Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	1.MULTIPLE INHERITANC 2.CLASS HIERARCHIES 3.ABSTRACT BASE CLASSESs  4.PURE VIRTUAL FUNCTIONS  5.REDEFINING BASE CASE FUNCTIONS
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	31. FUNCTIONS 32. TYPES OF FUNCTIONS 33. Arrays to pointers 34. Pointers to pointers 35. Pointers to arrays 36. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester : II</b>
<b>Subject: PROGRAMMING IN C++</b>	<b>Topic :Exceptions and Templates</b>
Learning objectives:	10. Exception 11. Template 12. Types of template
Previous knowledge required:	Knowledge required from text books
Synopsis:	13. THROWING AN EXCEPTION 14. HANDLING AN EXCEPTION 15. MULTIPLE EXCEPTION 16. RETHROWING AN EXECPTION 17. HANDLING THE BAD ALLOC EXCEPTION
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> III
<b>Subject:</b> DATA STRUCTURES through C++	<b>Topic:</b> introduction
Learning objectives:	<ol style="list-style-type: none"><li>6. Introduction</li><li>7. Data types</li><li>8. Type casting</li><li>9. Conditional statements</li><li>10. Classes objects</li></ol>
Previous knowledge required:	Knowledge require from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1.types of data</li><li>2.Algorithm</li><li>3.application of stack</li><li>4.array</li><li>5.flowchart</li><li>6.memory representation</li><li>7.three d -array</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:III</b>
<b>Subject:DATA STRUCTURES through C ++</b>	<b>Topic:introduction to recursion</b>
Learning objectives:	35. Queue 36. Types of recursion function 37. Types of link list 38. Left pointer, right pointer data 39. Circular linked list 40. Algorithm 41. Stack
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	70. Main thread 71. Synchronization 72. Types of events 73. Awt introduction 74. File input/output stream class
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Trees graphs hashing</b>
Learning objectives:	42. Event handling 43. Awt 44. Swing 45. Database handling using JDBC 46. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Representation of general trees 2.Binary tree 3. Advantages& disadvantages 4. Binary tree travels 5. Pre order travels 6. Algorithim
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Sorting searching and heaps</b>
Learning objectives:	47. Event handling 48. Awt 49. Swing 50. Database handling using JDBC 51. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Sorting 2.Quick sort 3.Heaps 4.Data types 5. Binary search 6. Graph travels
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	52. File based system 53. Logical DBMS Architecture 54. DBA function role 55. Relational and ER Models 56. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	75. Advantages and disadvantages of DBMS 76. Physical DBMS Architecture 77. Types of database 78. Data models 79. Relational model 80. Relational constraints 81. Entity relationship architecture 82. Types of database 83. Data models 84. Relational model 85. Relational constraints 86. Entity relationship (ER) model 87. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	6. Data definition languages 7. manipulation 8. Data control language 9. Queries using order 10. Nested queries
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	88. SQL 89. DDL 90. DML 91. DCL 92. VIEWS 93. MY SQL
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty: Supriya</b>	<b>Department: computer science</b>
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPOs</b>	<b>Semester: IV</b>
<b>Subject: DBMS C++</b>	<b>Topic: DATABASE MANAGEMENT SYSTEM</b>
<b>Learning objectives:</b>	57. types of NORMALIZATION 58. file and directory system 59. security anomalies 60. file walling
<b>Previous knowledge required:</b>	<b>Knowledge required from previous classes</b>
<b>Synopsis:</b>	1. data NORMALIZATION 95. 1NF 2. message storage structure 96. 2NF 97. 3NF 3. thrashing 98. BCNF 99. The keys 100. Dependencies 101. Rules of data Normalisation 102. Attribute preservation
<b>Illustrations/ Demonstration shown:</b>	Computer AND Projector
<b>Illustrations/ Demonstration shown:</b>	Computer AND Projector
<b>Teaching aids used:</b>	Board and piece of chalk
<b>References:</b>	Bala guru swami
<b>Teaching aids used:</b>	Board and piece of chalk
<b>Student activity planned/ homework given:</b>	Seminar and creating a new programmes
<b>References:</b>	Bala guru swami
<b>Student activity planned/ homework given:</b>	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA2020-2021**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCS	<b>Semester:</b> I
<b>Subject:</b> PROGRAMMING IN C	<b>Topic:</b> COMPUTER FUNDAMENTALS
Learning objectives:	33. INTRODUCTION OF COMPUTERS 34. MEMORY HIERARCHY 35. INTRODUCTION TO OS 36. PROGRAMM FUNDAMENTALS 37. ALGORITHMS 38. BASIC OF C 39. C-TOKENS 40. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	17. Classification of compuer 18. Anatomy of computer 19. Generation and classification of programming language 20. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	24. Formated and non- formatted input / output 25. Control Statements 26. Special control Statements 27. Array 28. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	37. Escape squences 38. Selection staements 39. Iterative statements 40. Go to, break, continue, return, Exit 41. 1 -D array & 2-D array 42. Functions from ctype.h
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	29. Functions 30. Call by value 31. Call by reference 32. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	43. FUNCTIONS 44. TYPES OF FUNCTIONS 45. Arrays to pointers 46. Pointers to pointers 47. Pointers to arrays 48. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCS	<b>Semester:</b> I
<b>Subject:</b> PROGRAMMING IN C	<b>Topic:</b> User defined data types
Learning objectives:	13. Declaring a structure 14. Structure Vs union 15. Emmeration types
Previous knowledge required:	Knowledge required from text books
Synopsis:	18. Intiialzation of structure 19. Array of structure
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester :II</b>
<b>Subject :PROGRAMMING IN C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	41. INTRODUCTION OF COMPUTERS 42. MEMORY HIERARCHY 43. INTRODUCTION TO OS 44. PROGRAMM FUNDAMENTALS 45. ALGORITHMS 46. BASIC OF C 47. C-TOKENS 48. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	21. Classification of computer 22. Anatomy of computer 23. Generation and classification of programming language 24. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course /Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	33. Formatted and non- formatted input / output 34. Control Statements 35. Special control Statements 36. Array 37. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	1.OVERLOADING CONSTRUCTORS 2.ARRAYS OF OBJECTS 3.AGGREGATION 4.OBJECT CONVERSION 5.INSTANCE AND STATIC
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course/Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	1.MULTIPLE INHERITANC 2.CLASS HIERARCHIES 3.ABSTRACT BASE CLASSESs  4.PURE VIRTUAL FUNCTIONS  5.REDEFINING BASE CASE FUNCTIONS
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	49. FUNCTIONS 50. TYPES OF FUNCTIONS 51. Arrays to pointers 52. Pointers to pointers 53. Pointers to arrays 54. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester : II</b>
<b>Subject: PROGRAMMING IN C++</b>	<b>Topic :Exceptions and Templates</b>
Learning objectives:	16. Exception 17. Template 18. Types of template
Previous knowledge required:	Knowledge required from text books
Synopsis:	20. THROWING AN EXCEPTION 21. HANDLING AN EXCEPTION 22. MULTIPLE EXCEPTION 23. RETHROWING AN EXECPTION 24. HANDLING THE BAD ALLOC EXCEPTION
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> III
<b>Subject:</b> DATA STRUCTURES through C++	<b>Topic:</b> introduction
Learning objectives:	<ol style="list-style-type: none"><li>11. Introduction</li><li>12. Data types</li><li>13. Type casting</li><li>14. Conditional statements</li><li>15. Classes objects</li></ol>
Previous knowledge required:	Knowledge require from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1.types of data</li><li>2.Algorithm</li><li>3.application of stack</li><li>4.array</li><li>5.flowchart</li><li>6.memory representation</li><li>7.three d -array</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:III</b>
<b>Subject:DATA STRUCTURES through C ++</b>	<b>Topic:introduction to recursion</b>
Learning objectives:	61. Queue 62. Types of recursion function 63. Types of link list 64. Left pointer, right pointer data 65. Circular linked list 66. Algorithm 67. Stack
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	103. Main thread 104. Synchronization 105. Types of events 106. Awt introduction 107. File input/output stream class
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Trees graphs hashing</b>
Learning objectives:	68. Event handling 69. Awt 70. Swing 71. Database handling using JDBC 72. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Representation of general trees 2.Binary tree 3. Advantages& disadvantages 4. Binary tree travels 5. Pre order travels 6. Algorithim
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Sorting searching and heaps</b>
Learning objectives:	73. Event handling 74. Awt 75. Swing 76. Database handling using JDBC 77. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Sorting 2.Quick sort 3.Heaps 4.Data types 5. Binary search 6. Graph travels
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	78. File based system 79. Logical DBMS Architecture 80. DBA function role 81. Relational and ER Models 82. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	108. Advantages and disadvantages of DBMS 109. Physical DBMS Architecture 110. Types of database 111. Data models 112. Relational model 113. Relational constraints 114. Entity relationship architecture 115. Types of database 116. Data models 117. Relational model 118. Relational constraints 119. Entity relationship (ER) model 120. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	6.Data definition languages 7.manipulation 8. Data control language 9. Queries using order 10 .Nested queries
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	121. SQL 122. DDL 123. DML 124. DCL 125. VIEWS 126. MY SQL
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> IV
<b>Subject:</b> DBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	11.NORMALIZATION 12. FUNCTIONAL DEPEDNDENCIY 13. ANAMOLIES
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	127. NORMALIZATION 128. 1NF 129. 2NF 130. 3NF 131. BCNF 132. The keys 133. Dependencies 134. Rules of data Normalisation 135. Attribute preservation
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> IV
<b>Subject:</b> DBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	11. Transactions 12. Dead lock 13. Optimistic concurrency control 14. Database recovery and security 15. Backup and recovery techniques
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	136. Concurrent transactions 137. Serializable schedules 138. Deadlock prevention, detection and avoidance 139. Failures controlling methods 140. Database errors 141. Security & integrity 142. Database security 143. RAID
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:V</b>
<b>Subject:JAVA</b>	<b>Topic: introduction</b>
Learning objectives:	16. Introduction 17. Data types 18. Type casting 19. Conditional statements 20. Classes objects
Previous knowledge required:	Knowledge require from previous classes
Synopsis:	144. Java essentials JVM ,java features , creation and execution of programs 145. Structure of java program 146. Casting 147. Loops 148. Class declaration, creating objects
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:V</b>
<b>Subject:JAVA IN C++</b>	<b>Topic: introduction to JAVA inheritance and packages</b>
Learning objectives:	83. Method declaration 84. Constructors – parameterize 85. Cleaning - up 86. Class variables 87. One – dimensional arrays 88. Command - line 89. Inheritance
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	149. Main thread 150. Synchronization 151. Types of events 152. Awt introduction 153. File input/output stream class
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:V</b>
<b>Subject:JAVA IN C++</b>	<b>Topic: Multithreading, input/output and AWT</b>
Learning objectives:	90. Event handling 91. Awt 92. Swing 93. Database handling using JDBC 94. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	154. Introduction & types of events 155. Awt introduction 156. Difference between swing and awt 157. Layout mangers 158. JDBC Types 159. Developing a JDBC APPLICATION
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCS</b>	<b>Semester:VI</b>
<b>Subject: Web technologies</b>	<b>Topic: INTRODUCTION TO JAVA SCRIPTING FUNCTIONS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction, simple program</li><li>2. Operators</li><li>3. Functions</li></ol>
Previous knowledge required:	Knowledge gain from Previous class
Synopsis:	<ol style="list-style-type: none"><li>1. Introduction to java scripting</li><li>2. Decision making, control structures</li><li>3. Program modules in java script</li><li>4. Programmer- defined functions, definition, scope rules, global functions</li><li>5. recursion</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala Guru swami
Student activity planned/ homework given:	Creating a new program

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCS</b>	<b>Semester:VI</b>
<b>Subject: Web technologies</b>	<b>Topic: ARRAYS, EVENTS, JAVASCRIPT OBJECTS</b>
Learning objectives:	<ol style="list-style-type: none"><li>4. Arrays</li><li>5. Events</li><li>6. Java script objects</li></ol>
Previous knowledge required:	Knowledge gain from Previous class
Synopsis:	<ol style="list-style-type: none"><li>6. Introduction, declaring and allocating arrays</li><li>7. Multidimensional arrays</li><li>8. Registering event handling</li><li>9. Onfocus,onblur</li><li>10. Onsubmit,onreset</li><li>11. Intoduction to object technology</li><li>12. Math object, Boolean and Number object</li><li>13. Using cookies</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala Guru swami
Student activity planned/ homework given:	Creating a new program

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA2021-2022**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPC</b>	<b>Semester: I</b>
<b>Subject: PROGRAMMING IN C</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	49. INTRODUCTION OF COMPUTERS 50. MEMORY HIERARCHY 51. INTRODUCTION TO OS 52. PROGRAM FUNDAMENTALS 53. ALGORITHMS 54. BASIC OF C 55. C-TOKENS 56. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	25. Classification of computer 26. Anatomy of computer 27. Generation and classification of programming language 28. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	38. Formated and non- formatted input / output 39. Control Statements 40. Special control Statements 41. Array 42. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	55. Escape squences 56. Selection staements 57. Iterative statements 58. Go to, break, continue, return, Exit 59. 1 -D array & 2-D array 60. Functions from ctype.h
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	43. Functions 44. Call by value 45. Call by reference 46. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	61. FUNCTIONS 62. TYPES OF FUNCTIONS 63. Arrays to pointers 64. Pointers to pointers 65. Pointers to arrays 66. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCS	<b>Semester:</b> I
<b>Subject:</b> PROGRAMMING IN C	<b>Topic:</b> User defined data types
Learning objectives:	19. Declaring a structure 20. Structure Vs union 21. Emmeration types
Previous knowledge required:	Knowledge required from text books
Synopsis:	25. Intiialzation of structure 26. Array of structure
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester :II</b>
<b>Subject :PROGRAMMING IN C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	57. INTRODUCTION OF COMPUTERS 58. MEMORY HIERARCHY 59. INTRODUCTION TO OS 60. PROGRAMM FUNDAMENTALS 61. ALGORITHMS 62. BASIC OF C 63. C-TOKENS 64. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	29. Classification of computer 30. Anatomy of computer 31. Generation and classification of programming language 32. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course /Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	47. Formatted and non- formatted input / output 48. Control Statements 49. Special control Statements 50. Array 51. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	1.OVERLOADING CONSTRUCTORS 2.ARRAYS OF OBJECTS 3.AGGREGATION 4.OBJECT CONVERSION 5.INSTANCE AND STATIC
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course/Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	1.MULTIPLE INHERITANC 2.CLASS HIERARCHIES 3.ABSTRACT BASE CLASSESs  4.PURE VIRTUAL FUNCTIONS  5.REDEFINING BASE CASE FUNCTIONS
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	67. FUNCTIONS 68. TYPES OF FUNCTIONS 69. Arrays to pointers 70. Pointers to pointers 71. Pointers to arrays 72. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester : II</b>
<b>Subject: PROGRAMMING IN C++</b>	<b>Topic :Exceptions and Templates</b>
Learning objectives:	22. Exception 23. Template 24. Types of template
Previous knowledge required:	Knowledge required from text books
Synopsis:	27. THROWING AN EXCEPTION 28. HANDLING AN EXCEPTION 29. MULTIPLE EXCEPTION 30. RETHROWING AN EXECPTION 31. HANDLING THE BAD ALLOC EXCEPTION
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> III
<b>Subject:</b> DATA STRUCTURES through C++	<b>Topic:</b> introduction
Learning objectives:	<ol style="list-style-type: none"><li>21. Introduction</li><li>22. Data types</li><li>23. Type casting</li><li>24. Conditional statements</li><li>25. Classes objects</li></ol>
Previous knowledge required:	Knowledge require from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1.types of data</li><li>2.Algorithm</li><li>3.application of stack</li><li>4.array</li><li>5.flowchart</li><li>6.memory representation</li><li>7.three d -array</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:III</b>
<b>Subject:DATA STRUCTURES through C ++</b>	<b>Topic:introduction to recursion</b>
Learning objectives:	95. Queue 96. Types of recursion function 97. Types of link list 98. Left pointer, right pointer data 99. Circular linked list 100. Algorithm 101. Stack
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	160. Main thread 161. Synchronization 162. Types of events 163. Awt introduction 164. File input/output stream class
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign





**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Trees graphs hashing</b>
Learning objectives:	102. Event handling 103. Awt 104. Swing 105. Database handling using JDBC 106. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Representation of general trees 2.Binary tree 3. Advantages& disadvantages 4. Binary tree travels 5. Pre order travels 6. Algorithim
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Sorting searching and heaps</b>
Learning objectives:	107. Event handling 108. Awt 109. Swing 110. Database handling using JDBC 111. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Sorting 2.Quick sort 3.Heaps 4.Data types 5. Binary search 6. Graph travels
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	112. File based system 113. Logical DBMS Architecture 114. DBA function role 115. Relational and ER Models 116. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	165. Advantages and disadvantages of DBMS 166. Physical DBMS Architecture 167. Types of database 168. Data models 169. Relational model 170. Relational constraints 171. Entity relationship architecture 172. Types of database 173. Data models 174. Relational model 175. Relational constraints 176. Entity relationship (ER) model 177. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	6. Data definition languages 7. manipulation 8. Data control language 9. Queries using order 10. Nested queries
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	178. SQL 179. DDL 180. DML 181. DCL 182. VIEWS 183. MY SQL
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> IV
<b>Subject:</b> DBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	11.NORMALIZATION 12. FUNCTIONAL DEPEDNDENCIY 13. ANAMOLIES
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	184. NORMALIZATION 185. 1NF 186. 2NF 187. 3NF 188. BCNF 189. The keys 190. Dependencies 191. Rules of data Normalisation 192. Attribute preservation
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	16. Transactions 17. Dead lock 18. Optimistic concurrency control 19. Database recovery and security 20. Backup and recovery techniques
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	193. Concurrent transactions 194. Serializable schedules 195. Deadlock prevention, detection and avoidance 196. Failures controlling methods 197. Database errors 198. Security & integrity 199. Database security 200. RAID
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:V</b>
<b>Subject:JAVA</b>	<b>Topic: introduction</b>
Learning objectives:	26. Introduction 27. Data types 28. Type casting 29. Conditional statements 30. Classes objects
Previous knowledge required:	Knowledge require from previous classes
Synopsis:	201. Java essentials JVM ,java features , creation and execution of programs 202. Structure of java program 203. Casting 204. Loops 205. Class declaration, creating objects
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:V</b>
<b>Subject:JAVA IN C++</b>	<b>Topic: introduction to JAVA inheritance and packages</b>
Learning objectives:	117. Method declaration 118. Constructors – parameterize 119. Cleaning - up 120. Class variables 121. One – dimensional arrays 122. Command - line 123. Inheritance
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	206. Main thread 207. Synchronization 208. Types of events 209. Awt introduction 210. File input/output stream class
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:V</b>
<b>Subject:JAVA IN C++</b>	<b>Topic: Multithreading, input/output and AWT</b>
Learning objectives:	124. Event handling 125. Awt 126. Swing 127. Database handling using JDBC 128. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	211. Introduction & types of events 212. Awt introduction 213. Difference between swing and awt 214. Layout mangers 215. JDBC Types 216. Developing a JDBC APPLICATION
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCS</b>	<b>Semester:VI</b>
<b>Subject: Web technologies</b>	<b>Topic: INTRODUCTION TO JAVA SCRIPTING FUNCTIONS</b>
Learning objectives:	<ol style="list-style-type: none"><li>7. Introduction, simple program</li><li>8. Operators</li><li>9. Functions</li></ol>
Previous knowledge required:	Knowledge gain from Previous class
Synopsis:	<ol style="list-style-type: none"><li>14. Introduction to java scripting</li><li>15. Decision making, control structures</li><li>16. Program modules in java script</li><li>17. Programmer- defined functions, definition, scope rules, global functions</li><li>18. recursion</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala Guru swami
Student activity planned/ homework given:	Creating a new program

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCS</b>	<b>Semester:VI</b>
<b>Subject: Web technologies</b>	<b>Topic: ARRAYS, EVENTS, JAVASCRIPT OBJECTS</b>
Learning objectives:	10. Arrays 11. Events 12. Java script objects
Previous knowledge required:	Knowledge gain from Previous class
Synopsis:	19. Introduction, declaring and allocating arrays 20. Multidimensional arrays 21. Registering event handling 22. Onfocus,onblur 23. Onsubmit,onreset 24. Intoduction to object technology 25. Math object, Boolean and Number object 26. Using cookies
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala Guru swami
Student activity planned/ homework given:	Creating a new program

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA2022-2023**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCS	<b>Semester:</b> I
<b>Subject:</b> PROGRAMMING IN C	<b>Topic:</b> COMPUTER FUNDAMENTALS
Learning objectives:	65. INTRODUCTION OF COMPUTERS 66. MEMORY HIERARCHY 67. INTRODUCTION TO OS 68. PROGRAMM FUNDAMENTALS 69. ALGORITHMS 70. BASIC OF C 71. C-TOKENS 72. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	33. Classification of compuer 34. Anatomy of computer 35. Generation and classification of programming language 36. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami

Student activity planned/ homework given:	Creating a new programmes
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	52. Formated and non- formatted input / output 53. Control Statements 54. Special control Statements 55. Array 56. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	73. Escape squences 74. Selection staements 75. Iterative statements 76. Go to, break, continue, return, Exit 77. 1 -D array & 2-D array 78. Functions from ctype.h
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami

Student activity planned/ homework given:	Creating a new programmes
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> Computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> I
<b>Subject:</b> Programming in C	<b>Topic:</b> Input /Output
Learning objectives:	57. Functions 58. Call by value 59. Call by reference 60. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	79. FUNCTIONS 80. TYPES OF FUNCTIONS 81. Arrays to pointers 82. Pointers to pointers 83. Pointers to arrays 84. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCS	<b>Semester:</b> I
<b>Subject:</b> PROGRAMMING IN C	<b>Topic:</b> User defined data types
Learning objectives:	25. Declaring a structure 26. Structure Vs union 27. Emmeration types
Previous knowledge required:	Knowledge required from text books
Synopsis:	32. Intiialzation of structure 33. Array of structure
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester :II</b>
<b>Subject :PROGRAMMING IN C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	73. INTRODUCTION OF COMPUTERS 74. MEMORY HIERARCHY 75. INTRODUCTION TO OS 76. PROGRAMM FUNDAMENTALS 77. ALGORITHMS 78. BASIC OF C 79. C-TOKENS 80. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	37. Classification of computer 38. Anatomy of computer 39. Generation and classification of programming language 40. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course /Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	61. Formatted and non- formatted input / output 62. Control Statements 63. Special control Statements 64. Array 65. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	1.OVERLOADING CONSTRUCTORS 2.ARRAYS OF OBJECTS 3.AGGREGATION 4.OBJECT CONVERSION 5.INSTANCE AND STATIC
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes
Student activity planned/ homework given:	Creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: Computer science</b>
<b>Course/Group : MPCs</b>	<b>Semester : II</b>
<b>Subject : Programming in C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	1.MULTIPLE INHERITANC 2.CLASS HIERARCHIES 3.ABSTRACT BASE CLASSESs  4.PURE VIRTUAL FUNCTIONS  5.REDEFINING BASE CASE FUNCTIONS
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	85. FUNCTIONS 86. TYPES OF FUNCTIONS 87. Arrays to pointers 88. Pointers to pointers 89. Pointers to arrays 90. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bal guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty : B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group : MPCS</b>	<b>Semester : II</b>
<b>Subject: PROGRAMMING IN C++</b>	<b>Topic :Exceptions and Templates</b>
Learning objectives:	28. Exception 29. Template 30. Types of template
Previous knowledge required:	Knowledge required from text books
Synopsis:	34. THROWING AN EXCEPTION 35. HANDLING AN EXCEPTION 36. MULTIPLE EXCEPTION 37. RETHROWING AN EXECPTION 38. HANDLING THE BAD ALLOC EXCEPTION
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> III
<b>Subject:</b> DATA STRUCTURES through C++	<b>Topic:</b> introduction
Learning objectives:	<ul style="list-style-type: none"><li>31. Introduction</li><li>32. Data types</li><li>33. Type casting</li><li>34. Conditional statements</li><li>35. Classes objects</li></ul>
Previous knowledge required:	Knowledge require from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.types of data</li><li>2.Algorithm</li><li>3.application of stack</li><li>4.array</li><li>5.flowchart</li><li>6.memory representation</li><li>7.three d -array</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:III</b>
<b>Subject:DATA STRUCTURES through C ++</b>	<b>Topic:introduction to recursion</b>
Learning objectives:	129. Queue 130. Types of recursion function 131. Types of link list 132. Left pointer, right pointer data 133. Circular linked list 134. Algorithm 135. Stack
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	217. Main thread 218. Synchronization 219. Types of events 220. Awt introduction 221. File input/output stream class
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign





**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Trees graphs hashing</b>
Learning objectives:	136. Event handling 137. Awt 138. Swing 139. Database handling using JDBC 140. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Representation of general trees 2.Binary tree 3. Advantages& disadvantages 4. Binary tree travels 5. Pre order travels 6. Algorithim
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:III</b>
<b>Subject:DATA STRUCTURES through C++</b>	<b>Topic: Sorting searching and heaps</b>
Learning objectives:	141. Event handling 142. Awt 143. Swing 144. Database handling using JDBC 145. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.Sorting 2.Quick sort 3.Heaps 4.Data types 5. Binary search 6. Graph travels
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	146. File based system 147. Logical DBMS Architecture 148. DBA function role 149. Relational and ER Models 150. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	222. Advantages and disadvantages of DBMS 223. Physical DBMS Architecture 224. Types of database 225. Data models 226. Relational model 227. Relational constraints 228. Entity relationship architecture 229. Types of database 230. Data models 231. Relational model 232. Relational constraints 233. Entity relationship (ER) model 234. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	6. Data definition languages 7. manipulation 8. Data control language 9. Queries using order 10. Nested queries
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	235. SQL 236. DDL 237. DML 238. DCL 239. VIEWS 240. MY SQL
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> MPCs	<b>Semester:</b> IV
<b>Subject:</b> DBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	11.NORMALIZATION 12. FUNCTIONAL DEPEDNDENCIY 13. ANAMOLIES
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	241. NORMALIZATION 242. 1NF 243. 2NF 244. 3NF 245. BCNF 246. The keys 247. Dependencies 248. Rules of data Normalisation 249. Attribute preservation
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester: IV</b>
<b>Subject: DBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	<ul style="list-style-type: none"> <li>21. Transactions</li> <li>22. Dead lock</li> <li>23. Optimistic concurrency control</li> <li>24. Database recovery and security</li> <li>25. Backup and recovery techniques</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>250. Concurrent transactions</li> <li>251. Serializable schedules</li> <li>252. Deadlock prevention, detection and avoidance</li> <li>253. Failures controlling methods</li> <li>254. Database errors</li> <li>255. Security &amp; integrity</li> <li>256. Database security</li> <li>257. RAID</li> </ul>
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

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**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:V</b>
<b>Subject:JAVA</b>	<b>Topic: introduction</b>
Learning objectives:	36. Introduction 37. Data types 38. Type casting 39. Conditional statements 40. Classes objects
Previous knowledge required:	Knowledge require from previous classes
Synopsis:	258. Java essentials JVM ,java features , creation and execution of programs 259. Structure of java program 260. Casting 261. Loops 262. Class declaration, creating objects
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semister:V</b>
<b>Subject:JAVA IN C++</b>	<b>Topic: introduction to JAVA inheritance and packages</b>
Learning objectives:	151. Method declaration 152. Constructors – parameterize 153. Cleaning - up 154. Class variables 155. One – dimensional arrays 156. Command - line 157. Inheritance
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	263. Main thread 264. Synchronization 265. Types of events 266. Awt introduction 267. File input/output stream class
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: Vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCs</b>	<b>Semester:V</b>
<b>Subject:JAVA IN C++</b>	<b>Topic: Multithreading, input/output and AWT</b>
Learning objectives:	158. Event handling 159. Awt 160. Swing 161. Database handling using JDBC 162. Excute query
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	268. Introduction & types of events 269. Awt introduction 270. Difference between swing and awt 271. Layout mangers 272. JDBC Types 273. Developing a JDBC APPLICATION
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

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**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCS</b>	<b>Semester:VI</b>
<b>Subject: Web technologies</b>	<b>Topic: INTRODUCTION TO JAVA SCRIPTING FUNCTIONS</b>
Learning objectives:	13. Introduction, simple program 14. Operators 15. Functions
Previous knowledge required:	Knowledge gain from Previous class
Synopsis:	27. Introduction to java scripting 28. Decision making, control structures 29. Program modules in java script 30. Programmer- defined functions, definition, scope rules, global functions 31. recursion
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala Guru swami
Student activity planned/ homework given:	Creating a new program

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group: MPCS</b>	<b>Semester:VI</b>
<b>Subject: Web technologies</b>	<b>Topic: ARRAYS, EVENTS, JAVASCRIPT OBJECTS</b>
Learning objectives:	16. Arrays 17. Events 18. Java script objects
Previous knowledge required:	Knowledge gain from Previous class
Synopsis:	32. Introduction, declaring and allocating arrays 33. Multidimensional arrays 34. Registering event handling 35. Onfocus,onblur 36. Onsubmit,onreset 37. Intoduction to object technology 38. Math object, Boolean and Number object 39. Using cookies
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala Guru swami
Student activity planned/ homework given:	Creating a new program



**MSDS All synopsis FIT, SPP and DEP 2022-23**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group:MSDS</b>	<b>Semester:III</b>
<b>Subject: DATA ENGINEERING WITH PYTHON</b>	<b>Topic: Data Analysis Sequence</b>
Learning objectives:	<ul style="list-style-type: none"><li>• Reading &amp; Write Binary Files</li><li>• Data Acquisition Pipeline, Report structure</li><li>• Using JSON with python</li><li>• Using XML with python</li></ul>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ul style="list-style-type: none"><li>➤ Working with Text Data</li><li>➤ JSON &amp;XML in python</li><li>➤ Data Acquisition Pipeline,Report Structure</li><li>➤ Reading &amp; writing CSV files</li></ul>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Gourishankar
Student activity planned/ homework given:	Creating a new program

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> vennela vasa	<b>Department:</b> computer science
<b>Course/Group:</b> MSDS	<b>Semester:</b> III
<b>Subject:</b> DATA ENGINEERING WITH PYTHON	<b>Topic:</b> WORKING WITH TEXT DATA & REGULAR
Learning objectives:	<ul style="list-style-type: none"><li>• Processing HTML Files</li><li>• Using Special Characters</li><li>• Names Groups in python</li><li>• Regular Expressions</li></ul>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ul style="list-style-type: none"><li>➤ Regular Expression</li><li>➤ Operations</li><li>➤ Glob Module</li><li>➤ Text Data</li></ul>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Gourishankar
Student activity planned/ homework given:	Creating a new program

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**MSDS All synopsis FIT, SPP and DEP 2022-23****TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group:MSDS</b>	<b>Semester:III</b>
<b>Subject: DATA ENGINEERING WITH PYTHON</b>	<b>Topic:WORKING WITH DATABAS ES &amp;TABULAR NUMERIC DATA(NUMPY WITH PYTHON)</b>
Learning objectives:	<ul style="list-style-type: none"><li>• Setting up a my SQL Database</li><li>• Using a MYSQL database: command Line</li><li>• Basic Arithmetic Operations</li><li>• Integer indexing</li></ul>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ul style="list-style-type: none"><li>➤ Working with Database</li><li>➤ Tabular Numeric Data(Numpy with Python)</li><li>➤ NumPY Arrays Creation Using array( )Function</li><li>➤ Taming Document Stores:MangoDB</li></ul>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Gourishankar
Student activity planned/ homework given:	Creating a new program

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vennela vasa</b>	<b>Department: computer science</b>
<b>Course/Group:MSDS</b>	<b>Semester:III</b>
<b>Subject: DATA ENGINEERING WITH PYTHON</b>	<b>Topic:WORKING WITH DATA SERIES AND FRAMES,PLOTTING</b>
Learning objectives:	<ul style="list-style-type: none"><li>• Pandas Data structures</li><li>• .Reshaping Data</li><li>• Handling missing Data</li><li>• Plotting with pandas</li></ul>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ul style="list-style-type: none"><li>➤ Working with Data entries &amp; Frames</li><li>➤ Plotting</li><li>➤ Mastering Embellishments, Plotting with pandas</li><li>➤ .Basic plotting with pyplot,Getting to know other Plot Types</li></ul>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Gourishankar
Student activity planned/ homework given:	Creating a new program

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**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**



### MSDS All synopsis FIT, SPP and DEP 2022-23

Name of the Faculty:Vennela vasa	Department:COMPUTER SCIENCE
Course/Group: MSDS(SPP)	Semester:II
Subject: SPP	Topic:Introduction to computing problem solving with python programming
Learning objectives:	<ul style="list-style-type: none"><li>• Introduction ,to computing and problem solving</li><li>• Introduction to python programming</li><li>• Control flow statements</li></ul>
Previous knowledge required:	Knowledge gain from text book
Synopsis:	<ul style="list-style-type: none"><li>➤ Fundamental computing devices, instruction algorithm building blocks</li><li>➤ Python interpreter, interactive mode, Variables, Arithmetic, Values, statements, i/O type conversion, functions and operators</li><li>➤ Control statements, loops</li><li>➤ Continue and break statement.</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishankar
Student activity planned/ homework given:	seminars

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> Vennela vasa	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> MSDS(SPP)	<b>Semester:</b> II
<b>Subject:</b> SPP	<b>Topic:</b> Functions and strings
Learning objectives:	<ul style="list-style-type: none"><li>• Functions</li><li>• Strings</li></ul>
Previous knowledge required:	Knowledge gain from text book
Synopsis:	<ul style="list-style-type: none"><li>➤ Built in functions</li><li>➤ Modules</li><li>➤ Calling functions</li><li>➤ Return statements and void functions</li><li>➤ Default parameters</li><li>➤ String operators</li><li>➤ String methods</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: MSDS(SPP)</b>	<b>Semester:II</b>
<b>Subject: SPP</b>	<b>Topic: Lists, Files and Exception</b>
Learning objectives:	<ul style="list-style-type: none"><li>• Lists</li><li>• Files and exceptions</li></ul>
Previous knowledge required:	Knowledge gain from text book
Synopsis:	<ul style="list-style-type: none"><li>➤ List operation,</li><li>➤ list slices,</li><li>➤ list methods,</li><li>➤ loops parameters ,</li><li>➤ tuples,</li><li>➤ dictionaries illustrative program</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> Vennela vasa	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> MSDS(SPP)	<b>Semester:</b> II
<b>Subject:</b> SPP	<b>Topic:</b> OOP Functional programming
Learning objectives:	<ul style="list-style-type: none"><li>• OOP</li><li>• Functional programming</li></ul>
Previous knowledge required:	Knowledge gain from text book
Synopsis:	<ul style="list-style-type: none"><li>➤ Class and object</li><li>➤ Creating classes in python</li><li>➤ Creating objects in python</li><li>➤ Constructor method</li><li>➤ Class attributes</li><li>➤ Inheritance</li><li>➤ Polymorphism</li><li>➤ Lambda</li><li>➤ Iterator</li><li>➤ Generators</li><li>➤ List Comprehension</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> Vennela vasa	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> MSDS(FIT1)	<b>Semester;</b> 1 <sup>st</sup>
<b>Subject:</b> FIT	<b>Topic:</b> Data and Information, acquisition of Numbers and textual data
Learning objectives:	<ul style="list-style-type: none"><li>• Introduction ,Types of data</li><li>• Simple model of a computer</li><li>• Data processing using a computer</li><li>• Desktop computer</li></ul>
Previous knowledge required:	Knowledge gain from text book
Synopsis:	<ul style="list-style-type: none"><li>➤ Acquisition of Numbers and Textual data</li><li>➤ Introduction, Input output</li><li>➤ Internal Representation of Numeric data, representation of characters in computer</li><li>➤ Error-Detecting codes</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> Vennela vasa	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> MSDS(FIT1)	<b>Semester;</b> 1 <sup>st</sup>
<b>Subject:</b> FIT	<b>Topic:</b> DATA STORAGE,CENTRAL PROCESSING UNIT
Learning objectives:	<ul style="list-style-type: none"><li>• <i>Introduction,storage cell</i></li><li>• <i>Used as storage cells</i></li><li>• <i>Random access memory,read only memory</i></li><li>• <i>Central processing unit</i></li></ul>
Previous knowledge required:	➤ Knowledge gain from text book
Synopsis:	<ul style="list-style-type: none"><li>➤ Central prcessing unit</li><li>➤ Introduction, structure of a central processing unit</li><li>➤ Specified of cpu</li><li>➤ .Embedded processing</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> Vennela vasa	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> MSDS(FIT1)	<b>Semester;</b> 1 <sup>st</sup>
<b>Subject:</b> FIT	<b>Topic:</b> COMPUTER NETWORKS INPUT OUTPUT DEVICES AND COMPUTER SOFTWARE
Learning objectives:	<ul style="list-style-type: none"><li>• Introduction ,local network</li><li>• Wide area network</li><li>• Internet,namiming computers</li><li>• Future of internet technolgy</li></ul>
Previous knowledge required:	Knowledge gain from text books \$priveous classes
Synopsis:	<ul style="list-style-type: none"><li>➤ Input output devices</li><li>➤ Video display devices</li><li>➤ Touch screen display</li><li>➤ Computer software</li><li>➤ Operating system</li><li>➤ Programming languages</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

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**MSDS All synopsis FIT, SPP and DEP 2022-23**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> Vennela vasa	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> MSDS(FIT1)	<b>Semester;</b> 1 <sup>st</sup>
<b>Subject:</b> FIT	<b>Topic:</b> THE SOFTWARE PROBLEM, SOFTWARE PROCESSES, PROGRAMMIG PRINCIPLES
Learning objectives:	<ul style="list-style-type: none"><li>• The software problem</li><li>• Cost, schedule and quality</li><li>• Scale and change</li><li>• Process and project</li><li>• Component software processes</li></ul>
Previous knowledge required:	Knowledge gain from text book\$previous classes
Synopsis:	<ul style="list-style-type: none"><li>➤ The software problem</li><li>➤ Software processes</li><li>➤ Process and project</li><li>➤ Component software processes</li><li>➤ Programming principles and guidelines</li></ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

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**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

**(2023-2022)**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.COM</b>	<b>Semester:II</b>
<b>Subject:PROGRAMMING IN C &amp;C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. INTRODUCTION OF COMPUTERS</li><li>2. MEMORY HIERARCHY</li><li>3. INTRODUCTION TO OS</li><li>4. PROGRAMM FUNDAMENTALS</li><li>5. ALGORITHMS</li><li>6. BASIC OF C</li><li>7. C-TOKENS</li><li>8. TYPE CONVERSION</li></ol>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ol style="list-style-type: none"><li>1. Classification of compuer</li><li>2. Anatomy of computer</li><li>3. Generation and classification of programming language</li><li>4. Procedure and associativity</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: VASA . VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Formated and non- formatted input / output</li><li>2. Control Statements</li><li>3. Special control Statements</li><li>4. Array</li><li>5. strings</li></ol>
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	<ol style="list-style-type: none"><li>1. Escape squences</li><li>2. Selection staements</li><li>3. Iterative statements</li><li>4. Go to, break, continue, return, Exit</li><li>5. 1 -D array &amp; 2-D array</li><li>6. Functions from ctype.h</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: VASA.VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	6. Functions 7. Call by value 8. Call by reference 9. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	7. FUNCTIONS 8. TYPES OF FUNCTIONS 9. Arrays to pointers 10. Pointers to pointers 11. Pointers to arrays 12. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA .VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.CON(CA)</b>	<b>Semester: II</b>
<b>Subject: PROGRAMMING IN C&amp;C++</b>	<b>Topic: User defined data types</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Declaring a structure</li><li>2. Structure Vs union</li><li>3. Enumeration types</li></ol>
Previous knowledge required:	Knowledge required from text books
Synopsis:	<ol style="list-style-type: none"><li>1. Initialization of structure</li><li>2. Array of structure</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: INTRODUCTION TO WEB TECHNOLOGIES</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. HTML</li><li>2. Web technologies design principles</li><li>3. HTML attributes</li><li>4. lists</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1. frames</li><li>2. tables</li><li>3. background ,images ,hyperlinks</li><li>4. style sheets</li><li>5. images</li><li>6. html tags</li><li>7. formatting text in html</li><li>8. programs on html</li></ol>
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:iv</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: AN OVERVIEW OF DYANAMIC WEB PAGE AND DYANAMIC WEB PAGE</b>
Learning objectives:	<ol style="list-style-type: none"><li>5. dynamic web page-technologies</li><li>6. introduction to dynamic html programming</li><li>7. cascading style sheet and its types'</li><li>8. advantages of css</li><li>9. basic syntax and its strcture</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1.creating multi -media effect with filter and transitions</li><li>2.changin style sheet</li><li>3.text graphics</li><li>4.placements of text</li><li>5.changing attributes and text dynamically</li></ol>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
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<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: JAVASCRIPT</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. introduction</li><li>2. server side java script</li><li>3. functions</li><li>4. arrays</li><li>5. objects</li><li>6. operators</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1.data and math related objects</li><li>2.document object model</li><li>3.expressions and statements</li><li>4.Data types</li><li>5.variables</li><li>6.client side java script</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EVENTS AND EVENTS HANDLERS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. General information about events</li><li>2. On abort</li><li>3. On click</li><li>4. On double click</li><li>5. On mouse out</li><li>6. On mouse move</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1.on load</li><li>2.on mouse over</li><li>3.on focus</li><li>4.on key press</li><li>5.event handling</li><li>6.on submit</li></ol>
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EXTENSIBLE MARK UP LANGUAGES</b>
Learning objectives:	<ul style="list-style-type: none"><li>1.introduction</li><li>2.creating xml documents</li><li>3.xml style sheets</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.xml query language</li><li>2.hyperlinks</li><li>3.xml documents object model</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Introduction to cyber security , cyber security vulnerabilities and cyber securities safeguards
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction to cyber security</li><li>2. Cyber security vulnerabilities</li><li>3. Cyber securities safeguards</li><li>4. Cyber welfare</li><li>5. Open access organizational data</li></ol>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ol style="list-style-type: none"><li>1. Overview of Cyber securities</li><li>2. Internet governance</li><li>3. Challenges and constraint</li><li>4. Cyber threats</li><li>5. Cyber crime</li><li>6. Need for nodal authority</li><li>7. Need for international</li><li>8. Overview</li><li>9. Week authentication</li><li>10. audit</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> securing web application , services and servers
Learning objectives:	<ol style="list-style-type: none"><li>6. Introduction</li><li>7. Management and web services</li><li>8. Security considerations</li></ol>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ol style="list-style-type: none"><li>11. Authorization patterns</li><li>12. Challenges</li><li>13. Basic securities for soap services</li><li>14. Basic security for HTTP applications and services</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Intrusion detection and prevention
Learning objectives:	9. Intrusion 10. Physical theft 11. Network based intrusion detection system 12. Abuse of privileges 13. Malware infection
Previous knowledge required:	Knowledge gain from text books
Synopsis:	15. Network based intrusion prevention systems 16. Security information management 17. Network session analysis 18. System integrity validation 19. Unauthorized access by outsider 20. Host based intrusion prevention system
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> Cryptography and network security
Learning objectives:	<ol style="list-style-type: none"><li>14. Introduction to cryptography</li><li>15. VPN security protocols</li><li>16. Security at application layer</li><li>17. Security transport layer</li><li>18. Security at network layer</li></ol>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ol style="list-style-type: none"><li>1. Symmetric key cryptography</li><li>2. Overview of firewalls</li><li>3. Types of firewalls</li><li>4. SLL and TLSS</li><li>5. Digital singnature</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> cyberspace and the law cyber forensics
Learning objectives:	<ul style="list-style-type: none"> <li>19. Cyberspace and the law</li> <li>20. Cyberspace forensics</li> <li>21. Cyber security and standards</li> <li>22. The Indian cyberspace</li> </ul>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ul style="list-style-type: none"> <li>6. Introduction to cyber forensics</li> <li>7. Handlings preliminary investigation</li> <li>8. Controlling and investigation</li> <li>9. Validating E:mail information</li> <li>10. Tracing memory real: time</li> <li>11. National cyber security policy 2013</li> </ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars



Sign of the faculty

Principal's sign

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:INTRODUCTION TO COMPUTERS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction ,Types of data</li><li>2. Simple model of a computer</li><li>3. Data processing using a computer</li><li>4. Desktop computer</li></ol>
Previous knowledge required:	Knowledge gain from text book
Synopsis:	<ol style="list-style-type: none"><li>21. Acquisition of Numbers and Textual data</li><li>22. Introduction, Input output</li><li>23. Internal Representation of Numeric data, representation of characters in computer</li><li>24. Error-Detecting codes</li></ol>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

DEVARAKONDA

<p>Name of the Faculty: Vennela vasa</p>	<p>Department: COMPUTER SCIENCE</p>
<p>Course/Group:BCOM(FIT1)</p>	<p>Semester;1<sup>st</sup></p>
<p>Subject: FIT</p>	<p>Topic:COMPUTER ARITHMETIC AND STORAGE FUNDAMENTALS</p>
<p>Learning objectives:</p>	<ol style="list-style-type: none"> <li>1. <i>Introduction,storage memory</i></li> <li>2. <i>Used as storage cells</i></li> <li>3. <i>Random access memory,read only memory</i></li> <li>4. <i>Central processing unit</i></li> </ol>
<p>Previous knowledge required:</p>	<p>Knowledge gain from text book</p>
<p>Synopsis:</p>	<ol style="list-style-type: none"> <li>25. Central prcessing unit</li> <li>26. Introduction, structure of a central processing unit</li> <li>27. Specified of cpu</li> <li>8.Embedded processing</li> </ol>
<p>Illustrations/ Demonstration shown:</p>	<p>Computer</p>
<p>Teaching aids used:</p>	<p>Black Board and piece of chalk</p>
<p>References:</p>	<p>Bala guru swamy</p>
<p>Student activity planned/ homework given:</p>	<p>seminars</p>



**Name of the Faculty:Vennela vasa**

**Course/Group: MSDS(FIT1)**

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: MSDS(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:software</b>
<b>Learning objectives:</b>	<ul style="list-style-type: none"> <li>5. The software problem</li> <li>6. Cost, schedule and quality</li> <li>7. Scale and change</li> <li>8. Process and project</li> <li>9. Component software processes</li> </ul>
<b>Previous knowledge required:</b>	Knowledge gain from text book\$previous classes
<b>Synopsis:</b>	<ul style="list-style-type: none"> <li>28. The software problem</li> <li>29. Software processes</li> <li>30. Process and project</li> <li>31. Component software processes</li> <li>32. Programming principles and guidelines</li> </ul>
<b>Illustrations/ Demonstration shown:</b>	Computer
<b>Teaching aids used:</b>	Black Board and piece of chalk
<b>References:</b>	Bala guru swamy

Student activity planned/ homework given:	seminars	Learning obj
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:OPERATING SYSTEM</b>
Learning objectives:	10. Introduction ,Types of data 11. Simple model of a computer 12. Data processing using a computer 13. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	33. Acquisition of Numbers and Textual data 34. Introduction, Input output 35. Internal Representation of Numeric data, representation of characters in computer 36. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**  
**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:data communication</b>
Learning objectives:	14. Communication process 15. Communication types 16. Data processing using a computer 17. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	37. Lan topologies 38. Types of network 39. Communication process
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala guru swamy
Student activity planned/ homework given:	seminars

Sign of the faculty  
sign

Principal's

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	<ul style="list-style-type: none"> <li>10. File based system</li> <li>11. Logical DBMS Architecture</li> <li>12. DBA function role</li> <li>13. Relational and ER Models</li> <li>14. Relational operators E-R diagram</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>9. Advantages and disadvantages of DBMS</li> <li>10. Physical DBMS Architecture</li> <li>11. Types of database</li> <li>12. Data models</li> <li>13. Relational model</li> <li>14. Relational constraints</li> <li>15. Entity relationship architecture</li> <li>16. Types of database</li> <li>17. Data models</li> <li>18. Relational model</li> <li>19. Relational constraints</li> <li>20. Entity relationship (ER) model</li> <li>21. Conversion of E-R Diagram to relational database</li> </ul>
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> BCOM(CA)	<b>Semester:</b> III
<b>Subject:</b> RDBMS	<b>Topic:</b> Database integrity and Normalization
Learning objectives:	15. Realational database integrity 16. Entity integrity 17. Normalisation 18. File organisation 19. Heap files 20. Types of indexes
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	22. The keys 23. Dependencies 24. Rules of data Normalisation 25. Attribute preservation 26. Physical database design issues 27. Index and tree structure
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Structure Query Language</b>
Learning objectives:	7. SQL Commands 8. Joins
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	28. Data definition languages 29. Data manipulation 30. Data control language 31. Queries using order 32. Nested queries 33. Views 34. Table handling
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Transactions and concurrency management</b>
Learning objectives:	<ul style="list-style-type: none"><li>7. Transactions</li><li>8. Dead lock</li><li>9. Optimistic concurrency control</li><li>10. Database recovery and security</li><li>11. Backup and recovery techniques</li><li>12.</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>35. Concurrent transactions</li><li>36. Serializable schedules</li><li>37. Deadlock prevention, detection and avoidance</li><li>38. Failures controlling methods</li><li>39. Database errors</li><li>40. Security &amp; integrity</li><li>41. Database security</li><li>42. Authorization</li></ul>
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
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<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: distributed database</b>
Learning objectives:	<ul style="list-style-type: none"><li>1. distributed database management system</li><li>2. two tier architecture</li><li>3. three tier architecture</li><li>4. client server architecture</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>42. distributed database</li><li>43 two tier architecture</li><li>44 three tier architecture</li><li>45 client server architecture</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: INTRODUCTION</b>
Learning objectives:	21. E- commerce meaning 22. Its advantages and its disadvantages 23. Business models 24. Classification of e- commerce
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	43. Applications of e- commerce 44. E-banking 45. E-marketing 46. E-trading 47. E-learning
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: FRAME WORK OF E-COMMERCE</b>
Learning objectives:	1.Application services 2.Interface layers 3.site security 4.secured HTTP 5.firewalls
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	48. Cryptography 49. Encryption 50. Decryption 51. Public key and private key 52. Digital signature
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: CONSUMER ORINTED E-COMMERCE APPLICATIONS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction</li><li>2. mercantile process model</li><li>3. consumer perspective</li><li>4. electronic payment system</li><li>5. Digital currency</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1. electronic transfer fund</li><li>2. its advantages and disadvantages</li><li>3. digital token</li><li>4. based e-payment system</li><li>5. smart cards</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: ELECTRONIC DATA INTERCHANGE</b>
Learning objectives:	13. Introduction 14. EDI standards 15. Types of EDI
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1. EDI application 2. EDI software implementation 3. e-commerce 4. EDI legal security 5. EDI privacy issue
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: E-MARKETING TECHNIQUES</b>
Learning objectives:	<ul style="list-style-type: none"> <li>1.Introduction</li> <li>2.new age of information</li> <li>3.directory services</li> <li>4.chain letters</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>1.role of digital marketing</li> <li>2.consumer experience</li> <li>3.e- advertisement</li> <li>4.on line marketing process</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

**(2022-2021)**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.COM</b>	<b>Semester:II</b>
<b>Subject:PROGRAMMING IN C &amp;C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	9. INTRODUCTION OF COMPUTERS 10. MEMORY HIERARCHY 11. INTRODUCTION TO OS 12. PROGRAMM FUNDAMENTALS 13. ALGORITHMS 14. BASIC OF C 15. C-TOKENS 16. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	5. Classification of compuer 6. Anatomy of computer 7. Generation and classification of programming language 8. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: VASA . VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	10. Formated and non- formatted input / output 11. Control Statements 12. Special control Statements 13. Array 14. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	13. Escape squences 14. Selection staements 15. Iterative statements 16. Go to, break, continue, return, Exit 17. 1 -D array & 2-D array 18. Functions from ctype.h
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: VASA.VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	15. Functions 16. Call by value 17. Call by reference 18. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	19. FUNCTIONS 20. TYPES OF FUNCTIONS 21. Arrays to pointers 22. Pointers to pointers 23. Pointers to arrays 24. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA .VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.CON(CA)</b>	<b>Semester: II</b>
<b>Subject: PROGRAMMING IN C&amp;C++</b>	<b>Topic: User defined data types</b>
Learning objectives:	<ol style="list-style-type: none"><li>4. Declaring a structure</li><li>5. Structure Vs union</li><li>6. Enumeration types</li></ol>
Previous knowledge required:	Knowledge required from text books
Synopsis:	<ol style="list-style-type: none"><li>3. Initialization of structure</li><li>4. Array of structure</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: INTRODUCTION TO WEB TECHNOLOGIES</b>
Learning objectives:	25. HTML 26. Web technologies design principles 27. HTML attributes 28. lists
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	53. frames 54. tables 55. background ,images ,hyperlinks 56. style sheets 57. images 58. html tags 59. formatting text in html 60. programs on html
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:iv</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: AN OVERVIEW OF DYANAMIC WEB PAGE AND DYANAMIC WEB PAGE</b>
Learning objectives:	29. dynamic web page-technologies 30. introduction to dynamic html programming 31. cascading style sheet and its types' 32. advantages of css 33. basic syntax and its strcture
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.creating multi -media effect with filter and transitions 2.changin style sheet 3.text graphics 4.placements of text 5.changing attributes and text dynamically
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: JAVASCRIPT</b>
Learning objectives:	9. introduction 10. server side java script 11. functions 12. arrays 13. objects 14. operators
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.data and math related objects 2.document object model 3.expressions and statements 4.Data types 5.variables 6.client side java script
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EVENTS AND EVENTS HANDLERS</b>
Learning objectives:	16. General information about events 17. On abort 18. On click 19. On double click 20. On mouse out 21. On mouse move
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.on load 2.on mouse over 3.on focus 4.on key press 5.event handling 6.on submit
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EXTENSIBLE MARK UP LANGUAGES</b>
Learning objectives:	<ul style="list-style-type: none"><li>1.introduction</li><li>2.creating xml documents</li><li>3.xml style sheets</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.xml query language</li><li>2.hyperlinks</li><li>3.xml documents object model</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Introduction to cyber security , cyber security vulnerabilities and cyber securities safeguards
Learning objectives:	23. Introduction to cyber security 24. Cyber security vulnerabilities 25. Cyber securities safeguards 26. Cyber welfare 27. Open access organizational data
Previous knowledge required:	Knowledge gain from text books
Synopsis:	40. Overview of Cyber securities 41. Internet governance 42. Challenges and constraint 43. Cyber threats 44. Cyber crime 45. Need for nodal authority 46. Need for international 47. Overview 48. Week authentication 49. audit
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> securing web application , services and servers
Learning objectives:	28. Introduction 29. Management and web services 30. Security considerations
Previous knowledge required:	Knowledge gain from text books
Synopsis:	50. Authorization patterns 51. Challenges 52. Basic securities for soap services 53. Basic security for HTTP applications and services
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Intrusion detection and prevention
Learning objectives:	31. Intrusion 32. Physical theft 33. Network based intrusion detection system 34. Abuse of privileges 35. Malware infection
Previous knowledge required:	Knowledge gain from text books
Synopsis:	54. Network based intrusion prevention systems 55. Security information management 56. Network session analysis 57. System integrity validation 58. Unauthorized access by outsider 59. Host based intrusion prevention system
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> Cryptography and network security
Learning objectives:	36. Introduction to cryptography 37. VPN security protocols 38. Security at application layer 39. Security transport layer 40. Security at network layer
Previous knowledge required:	Knowledge gain from text books
Synopsis:	12. Symmetric key cryptography 13. Overview of firewalls 14. Types of firewalls 15. SLL and TLSS 16. Digital singnature
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> cyberspace and the law cyber forensics
Learning objectives:	<ul style="list-style-type: none"> <li>41. Cyberspace and the law</li> <li>42. Cyberspace forensics</li> <li>43. Cyber security and standards</li> <li>44. The Indian cyberspace</li> </ul>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ul style="list-style-type: none"> <li>17. Introduction to cyber forensics</li> <li>18. Handlings preliminary investigation</li> <li>19. Controlling and investigation</li> <li>20. Validating E:mail information</li> <li>21. Tracing memory real: time</li> <li>22. National cyber security policy 2013</li> </ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:</b> Vennela vasa	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> BCOM(FIT1)	<b>Semester;</b> 1 <sup>st</sup>
<b>Subject:</b> FIT	<b>Topic:</b> INTRODUCTION TO COMPUTERS
Learning objectives:	18. Introduction ,Types of data 19. Simple model of a computer 20. Data processing using a computer 21. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	60. Acquisition of Numbers and Textual data 61. Introduction, Input output 62. Internal Representation of Numeric data, representation of characters in computer 63. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars



DEVARAKONDA

<p>Name of the Faculty: Vennela vasa</p>	<p>Department: COMPUTER SCIENCE</p>
<p>Course/Group:BCOM(FIT1)</p>	<p>Semester;1<sup>st</sup></p>
<p>Subject: FIT</p>	<p>Topic:COMPUTER ARITHMETIC AND STORAGE FUNDAMENTALS</p>
<p>Learning objectives:</p>	<p>5. <i>Introduction,storage memory</i>          6. <i>Used as storage cells</i>          7. <i>Random access memory,read only memory</i>          8. <i>Central processing unit</i></p>
<p>Previous knowledge required:</p>	<p>Knowledge gain from text book</p>
<p>Synopsis:</p>	<p>64. Central prcessing unit          65. Introduction, structure of a central processing unit          66. Specified of cpu          8.Embedded processing</p>
<p>Illustrations/ Demonstration shown:</p>	<p>Computer</p>
<p>Teaching aids used:</p>	<p>Black Board and piece of chalk</p>
<p>References:</p>	<p>Bala guru swamy</p>
<p>Student activity planned/ homework given:</p>	<p>seminars</p>



**Name of the Faculty:Vennela vasa**

**Course/Group: MSDS(FIT1)**

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b> <b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: MSDS(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:software</b>
<b>Learning objectives:</b>	22. The software problem 23. Cost, schedule and quality 24. Scale and change 25. Process and project 26. Component software processes
<b>Previous knowledge required:</b>	Knowledge gain from text book\$previous classes
<b>Synopsis:</b>	67. The software problem 68. Software processes 69. Process and project 70. Component software processes 71. Programming principles and guidelines
<b>Illustrations/ Demonstration shown:</b>	Computer
<b>Teaching aids used:</b>	Black Board and piece of chalk
<b>References:</b>	Bala guru swamy

Student activity planned/ homework given:	seminars	Learning obj
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:OPERATING SYSTEM</b>
Learning objectives:	27. Introduction ,Types of data 28. Simple model of a computer 29. Data processing using a computer 30. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	72. Acquisition of Numbers and Textual data 73. Introduction, Input output 74. Internal Representation of Numeric data, representation of characters in computer 75. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**  
**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:data communication</b>
Learning objectives:	31. Communication process 32. Communication types 33. Data processing using a computer 34. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	76. Lan topologies 77. Types of network 78. Communication process
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala guru swamy
Student activity planned/ homework given:	seminars

Sign of the faculty  
sign

Principal's

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> BCOM(CA)	<b>Semester:</b> III
<b>Subject:</b> RDBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	34. File based system 35. Logical DBMS Architecture 36. DBA function role 37. Relational and ER Models 38. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	61. Advantages and disadvantages of DBMS 62. Physical DBMS Architecture 63. Types of database 64. Data models 65. Relational model 66. Relational constraints 67. Entity relationship rchitecture 68. Types of database 69. Data models 70. Relational model 71. Relational constraints 72. Entity relationship (ER) model 73. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> BCOM(CA)	<b>Semester:</b> III
<b>Subject:</b> RDBMS	<b>Topic:</b> Database integrity and Normalization
Learning objectives:	39. Realational database integrity 40. Entity integrity 41. Normalisation 42. File organisation 43. Heap files 44. Types of indexes
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	74. The keys 75. Dependencies 76. Rules of data Normalisation 77. Attribute preservation 78. Physical database design issues 79. Index and tree structure
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Structure Query Language</b>
Learning objectives:	15. SQL Commands 16. Joins
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	80. Data definition languages 81. Data manipulation 82. Data control language 83. Queries using order 84. Nested queries 85. Views 86. Table handling
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Transactions and concurrency management</b>
Learning objectives:	22. Transactions 23. Dead lock 24. Optimistic concurrency control 25. Database recovery and security 26. Backup and recovery techniques 27.
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	87. Concurrent transactions 88. Serializable schedules 89. Deadlock prevention, detection and avoidance 90. Failures controlling methods 91. Database errors 92. Security & integrity 93. Database security 94. Authorization
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: distributed database</b>
Learning objectives:	<ul style="list-style-type: none"><li>1. distributed database management system</li><li>2. two tier architecture</li><li>3. three tier architecture</li><li>4. client server architecture</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>42. distributed database</li><li>43 two tier architecture</li><li>44 three tier architecture</li><li>45 client server architecture</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: INTRODUCTION</b>
Learning objectives:	45. E- commerce meaning 46. Its advantages and its disadvantages 47. Business models 48. Classification of e- commerce
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	95. Applications of e- commerce 96. E-banking 97. E-marketing 98. E-trading 99. E-learning
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: FRAME WORK OF E-COMMERCE</b>
Learning objectives:	1.Application services 2.Interface layers 3.site security 4.secured HTTP 5.firewalls
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	100. Cryptography 101. Encryption 102. Decryption 103. Public key and private key 104. Digital signature
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: CONSUMER ORINTED E-COMMERCE APPLICATIONS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction</li><li>2. mercantile process model</li><li>3. consumer perspective</li><li>4. electronic payment system</li><li>5. Digital currency</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1. electronic transfer fund</li><li>2. its advantages and disadvantages</li><li>3. digital token</li><li>4. based e-payment system</li><li>5. smart cards</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: ELECTRONIC DATA INTERCHANGE</b>
Learning objectives:	28. Introduction 29. EDI standards 30. Types of EDI
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1. EDI application 2. EDI software implementation 3. e-commerce 4. EDI legal security 5. EDI privacy issue
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: E-MARKETING TECHNIQUES</b>
Learning objectives:	<ul style="list-style-type: none"> <li>1.Introduction</li> <li>2.new age of information</li> <li>3.directory services</li> <li>4.chain letters</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>1.role of digital marketing</li> <li>2.consumer experience</li> <li>3.e- advertisement</li> <li>4.on line marketing process</li> </ul>

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

**(2022-2021)**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.COM</b>	<b>Semester:II</b>
<b>Subject:PROGRAMMING IN C &amp;C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	17. INTRODUCTION OF COMPUTERS 18. MEMORY HIERARCHY 19. INTRODUCTION TO OS 20. PROGRAMM FUNDAMENTALS 21. ALGORITHMS 22. BASIC OF C 23. C-TOKENS 24. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	9. Classification of compuer 10. Anatomy of computer 11. Generation and classification of programming language 12. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA . VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	19. Formated and non- formatted input / output 20. Control Statements 21. Special control Statements 22. Array 23. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	25. Escape squences 26. Selection staements 27. Iterative statements 28. Go to, break, continue, return, Exit 29. 1 -D array & 2-D array 30. Functions from ctype.h
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami

Student activity planned/ homework given:	Creating a new programmes
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty: VASA.VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	24. Functions 25. Call by value 26. Call by reference 27. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	31. FUNCTIONS 32. TYPES OF FUNCTIONS 33. Arrays to pointers 34. Pointers to pointers 35. Pointers to arrays 36. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami

Student activity planned/ homework given:	Creating a new programmes
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**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA .VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.CON(CA)</b>	<b>Semester: II</b>
<b>Subject: PROGRAMMING IN C&amp;C++</b>	<b>Topic: User defined data types</b>
Learning objectives:	7. Declaring a structure 8. Structure Vs union 9. Enumeration types
Previous knowledge required:	Knowledge required from text books
Synopsis:	5. Initialization of structure 6. Array of structure
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: INTRODUCTION TO WEB TECHNOLOGIES</b>
Learning objectives:	49. HTML 50. Web technologies design principles 51. HTML attributes 52. lists
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	105. frames 106. tables 107. background ,images ,hyperlinks 108. style sheets 109. images 110. html tags 111. formatting text in html 112. programs on html
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:lv</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: AN OVERVIEW OF DYANAMIC WEB PAGE AND DYANAMIC WEB PAGE</b>
Learning objectives:	53. dynamic web page-technologies 54. introduction to dynamic html programming 55. cascading style sheet and its types' 56. advantages of css 57. basic syntax and its strcture
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.creating multi -media effect with filter and transitions 2.changin style sheet 3.text graphics 4.placements of text 5.changing attributes and text dynamically
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: JAVASCRIPT</b>
Learning objectives:	17. introduction 18. server side java script 19. functions 20. arrays 21. objects 22. operators
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.data and math related objects 2.document object model 3.expressions and statements 4.Data types 5.variables 6.client side java script
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EVENTS AND EVENTS HANDLERS</b>
Learning objectives:	<ul style="list-style-type: none"><li>31. General information about events</li><li>32. On abort</li><li>33. On click</li><li>34. On double click</li><li>35. On mouse out</li><li>36. On mouse move</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.on load</li><li>2.on mouse over</li><li>3.on focus</li><li>4.on key press</li><li>5.event handling</li><li>6.on submit</li></ul>
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EXTENSIBLE MARK UP LANGUAGES</b>
Learning objectives:	<ul style="list-style-type: none"><li>1.introduction</li><li>2.creating xml documents</li><li>3.xml style sheets</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.xml query language</li><li>2.hyperlinks</li><li>3.xml documents object model</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Introduction to cyber security , cyber security vulnerabilities and cyber securities safeguards
Learning objectives:	45. Introduction to cyber security 46. Cyber security vulnerabilities 47. Cyber securities safeguards 48. Cyber welfare 49. Open access organizational data
Previous knowledge required:	Knowledge gain from text books
Synopsis:	79. Overview of Cyber securities 80. Internet governance 81. Challenges and constraint 82. Cyber threats 83. Cyber crime 84. Need for nodal authority 85. Need for international 86. Overview 87. Week authentication 88. audit
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> securing web application , services and servers
Learning objectives:	50. Introduction 51. Management and web services 52. Security considerations
Previous knowledge required:	Knowledge gain from text books
Synopsis:	89. Authorization patterns 90. Challenges 91. Basic securities for soap services 92. Basic security for HTTP applications and services
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Intrusion detection and prevention
Learning objectives:	53. Intrusion 54. Physical theft 55. Network based intrusion detection system 56. Abuse of privileges 57. Malware infection
Previous knowledge required:	Knowledge gain from text books
Synopsis:	93. Network based intrusion prevention systems 94. Security information management 95. Network session analysis 96. System integrity validation 97. Unauthorized access by outsider 98. Host based intrusion prevention system
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars



<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> cyberspace and the law cyber forensics
Learning objectives:	58. Cyberspace and the law 59. Cyberspace forensics 60. Cyber security and standards 61. The Indian cyberspace
Previous knowledge required:	Knowledge gain from text books
Synopsis:	23. Introduction to cyber forensics 24. Handlings preliminary investigation 25. Controlling and investigation 26. Validating E:mail information 27. Tracing memory real: time 28. National cyber security policy 2013
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:INTRODUCTION TO COMPUTERS</b>
Learning objectives:	35. Introduction ,Types of data 36. Simple model of a computer 37. Data processing using a computer 38. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	99. Acquisition of Numbers and Textual data 100. Introduction, Input output 101. Internal Representation of Numeric data, representation of characters in computer 102. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars

DEVARAKONDA

<p>Name of the Faculty: Vennela vasa</p>	<p>Department: COMPUTER SCIENCE</p>
<p>Course/Group:BCOM(FIT1)</p>	<p>Semester;1<sup>st</sup></p>
<p>Subject: FIT</p>	<p>Topic:COMPUTER ARITHMETIC AND STORAGE FUNDAMENTALS</p>
<p>Learning objectives:</p>	<p>9. <i>Introduction,storage memory</i>          10. <i>Used as storage cells</i>          11. <i>Random access memory,read only memory</i>          12. <i>Central processing unit</i></p>
<p>Previous knowledge required:</p>	<p>Knowledge gain from text book</p>
<p>Synopsis:</p>	<p>103. Central prcessing unit          104. Introduction, structure of a central processing unit          105. Specified of cpu          8.Embedded processing</p>
<p>Illustrations/ Demonstration shown:</p>	<p>Computer</p>
<p>Teaching aids used:</p>	<p>Black Board and piece of chalk</p>
<p>References:</p>	<p>Bala guru swamy</p>
<p>Student activity planned/ homework given:</p>	<p>seminars</p>





**Name of the Faculty:Vennela vasa**

**Course/Group: MSDS(FIT1)**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: MSDS(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:software</b>
<b>Learning objectives:</b>	<p>39. The software problem                      40. Cost, schedule and quality                      41. Scale and change                      42. Process and project                      43. Component software processes</p>
<b>Previous knowledge required:</b>	Knowledge gain from text book\$previous classes
<b>Synopsis:</b>	<p>106. The software problem                      107. Software processes                      108. Process and project                      109. Component software processes                      110. Programming principles and guidelines</p>
<b>Illustrations/ Demonstration shown:</b>	Computer
<b>Teaching aids used:</b>	Black Board and piece of chalk
<b>References:</b>	Bala guru swamy

Student activity planned/ homework given:	seminars	Learning obj
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:OPERATING SYSTEM</b>
Learning objectives:	44. Introduction ,Types of data 45. Simple model of a computer 46. Data processing using a computer 47. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	111. Acquisition of Numbers and Textual data 112. Introduction, Input output 113. Internal Representation of Numeric data, representation of characters in computer 114. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**  
**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:data communication</b>
Learning objectives:	48. Communication process 49. Communication types 50. Data processing using a computer 51. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	115. Lan topologies 116. Types of network 117. Communication process
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala guru swamy
Student activity planned/ homework given:	seminars

Sign of the faculty  
sign

Principal's

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	58. File based system 59. Logical DBMS Architecture 60. DBA function role 61. Relational and ER Models 62. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	113. Advantages and disadvantages of DBMS 114. Physical DBMS Architecture 115. Types of database 116. Data models 117. Relational model 118. Relational constraints 119. Entity relationship architecture 120. Types of database 121. Data models 122. Relational model 123. Relational constraints 124. Entity relationship (ER) model 125. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> BCOM(CA)	<b>Semester:</b> III
<b>Subject:</b> RDBMS	<b>Topic:</b> Database integrity and Normalization
Learning objectives:	63. Realational database integrity 64. Entity integrity 65. Normalisation 66. File organisation 67. Heap files 68. Types of indexes
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	126. The keys 127. Dependencies 128. Rules of data Normalisation 129. Attribute preservation 130. Physical database design issues 131. Index and tree structure
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Structure Query Language</b>
Learning objectives:	23. SQL Commands 24. Joins
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	132. Data definition languages 133. Data manipulation 134. Data control language 135. Queries using order 136. Nested queries 137. Views 138. Table handling
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Transactions and concurrency management</b>
Learning objectives:	37. Transactions 38. Dead lock 39. Optimistic concurrency control 40. Database recovery and security 41. Backup and recovery techniques 42.
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	139. Concurrent transactions 140. Serializable schedules 141. Deadlock prevention, detection and avoidance 142. Failures controlling methods 143. Database errors 144. Security & integrity 145. Database security 146. Authorization
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: distributed database</b>
Learning objectives:	<ul style="list-style-type: none"> <li>1. distributed database management system</li> <li>2. two tier architecture</li> <li>3. three tier architecture</li> <li>4. client server architecture</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>42. distributed database</li> <li>43 two tier architecture</li> <li>44 three tier architecture</li> <li>45 client server architecture</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: INTRODUCTION</b>
Learning objectives:	69. E- commerce meaning 70. Its advantages and its disadvantages 71. Business models 72. Classification of e- commerce
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	147. Applications of e- commerce 148. E-banking 149. E-marketing 150. E-trading 151. E-learning
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: FRAME WORK OF E-COMMERCE</b>
Learning objectives:	1.Application services 2.Interface layers 3.site security 4.secured HTTP 5.firewalls
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	152. Cryptography 153. Encryption 154. Decryption 155. Public key and private key 156. Digital signature
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: CONSUMER ORINTED E-COMMERCE APPLICATIONS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction</li><li>2. mercantile process model</li><li>3. consumer perspective</li><li>4. electronic payment system</li><li>5. Digital currency</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1. electronic transfer fund</li><li>2. its advantages and disadvantages</li><li>3. digital token</li><li>4. based e-payment system</li><li>5. smart cards</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: ELECTRONIC DATA INTERCHANGE</b>
Learning objectives:	43. Introduction 44. EDI standards 45. Types of EDI
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1. EDI application 2. EDI software implementation 3. e-commerce 4. EDI legal security 5. EDI privacy issue
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: E-MARKETING TECHNIQUES</b>
Learning objectives:	<ul style="list-style-type: none"> <li>1.Introduction</li> <li>2.new age of information</li> <li>3.directory services</li> <li>4.chain letters</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>1.role of digital marketing</li> <li>2.consumer experience</li> <li>3.e- advertisement</li> <li>4.on line marketing process</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> Cryptography and network security
Learning objectives:	62. Introduction to cryptography 63. VPN security protocols 64. Security at application layer 65. Security transport layer 66. Security at network layer
Previous knowledge required:	Knowledge gain from text books
Synopsis:	29. Symmetric key cryptography 30. Overview of firewalls 31. Types of firewalls 32. SLL and TLSS 33. Digital singnature
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

**(20**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.COM</b>	<b>Semester:II</b>
<b>Subject:PROGRAMMING IN C &amp;C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	25. INTRODUCTION OF COMPUTERS 26. MEMORY HIERARCHY 27. INTRODUCTION TO OS 28. PROGRAMM FUNDAMENTALS 29. ALGORITHMS 30. BASIC OF C 31. C-TOKENS 32. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	13. Classification of compuer 14. Anatomy of computer 15. Generation and classification of programming language 16. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes





**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: VASA . VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	28. Formated and non- formatted input / output 29. Control Statements 30. Special control Statements 31. Array 32. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	37. Escape squences 38. Selection staements 39. Iterative statements 40. Go to, break, continue, return, Exit 41. 1 -D array & 2-D array 42. Functions from ctype.h
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: VASA.VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	33. Functions 34. Call by value 35. Call by reference 36. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	43. FUNCTIONS 44. TYPES OF FUNCTIONS 45. Arrays to pointers 46. Pointers to pointers 47. Pointers to arrays 48. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA .VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.CON(CA)</b>	<b>Semester: II</b>
<b>Subject: PROGRAMMING IN C&amp;C++</b>	<b>Topic: User defined data types</b>
Learning objectives:	10. Declaring a structure 11. Structure Vs union 12. Enumeration types
Previous knowledge required:	Knowledge required from text books
Synopsis:	7. Initialization of structure 8. Array of structure
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: INTRODUCTION TO WEB TECHNOLOGIES</b>
Learning objectives:	73. HTML 74. Web technologies design principles 75. HTML attributes 76. lists
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	157. frames 158. tables 159. background ,images ,hyperlinks 160. style sheets 161. images 162. html tags 163. formatting text in html 164. programs on html
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:iv</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: AN OVERVIEW OF DYANAMIC WEB PAGE AND DYANAMIC WEB PAGE</b>
Learning objectives:	77. dynamic web page-technologies 78. introduction to dynamic html programming 79. cascading style sheet and its types' 80. advantages of css 81. basic syntax and its strcture
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.creating multi -media effect with filter and transitions 2.changin style sheet 3.text graphics 4.placements of text 5.changing attributes and text dynamically
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: JAVASCRIPT</b>
Learning objectives:	25. introduction 26. server side java script 27. functions 28. arrays 29. objects 30. operators
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.data and math related objects 2.document object model 3.expressions and statements 4.Data types 5.variables 6.client side java script
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EVENTS AND EVENTS HANDLERS</b>
Learning objectives:	46. General information about events 47. On abort 48. On click 49. On double click 50. On mouse out 51. On mouse move
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.on load 2.on mouse over 3.on focus 4.on key press 5.event handling 6.on submit
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EXTENSIBLE MARK UP LANGUAGES</b>
Learning objectives:	<ul style="list-style-type: none"><li>1.introduction</li><li>2.creating xml documents</li><li>3.xml style sheets</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.xml query language</li><li>2.hyperlinks</li><li>3.xml documents object model</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Introduction to cyber security , cyber security vulnerabilities and cyber securities safeguards
Learning objectives:	67. Introduction to cyber security 68. Cyber security vulnerabilities 69. Cyber securities safeguards 70. Cyber welfare 71. Open access organizational data
Previous knowledge required:	Knowledge gain from text books
Synopsis:	118. Overview of Cyber securities 119. Internet governance 120. Challenges and constraint 121. Cyber threats 122. Cyber crime 123. Need for nodal authority 124. Need for international 125. Overview 126. Week authentication 127. audit
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> securing web application , services and servers
Learning objectives:	72. Introduction 73. Management and web services 74. Security considerations
Previous knowledge required:	Knowledge gain from text books
Synopsis:	128. Authorization patterns 129. Challenges 130. Basic securities for soap services 131. Basic security for HTTP applications and services
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Intrusion detection and prevention
Learning objectives:	75. Intrusion 76. Physical theft 77. Network based intrusion detection system 78. Abuse of privileges 79. Malware infection
Previous knowledge required:	Knowledge gain from text books
Synopsis:	132. Network based intrusion prevention systems 133. Security information management 134. Network session analysis 135. System integrity validation 136. Unauthorized access by outsider 137. Host based intrusion prevention system
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> cyberspace and the law cyber forensics
Learning objectives:	<ul style="list-style-type: none"> <li>80. Cyberspace and the law</li> <li>81. Cyberspace forensics</li> <li>82. Cyber security and standards</li> <li>83. The Indian cyberspace</li> </ul>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ul style="list-style-type: none"> <li>34. Introduction to cyber forensics</li> <li>35. Handlings preliminary investigation</li> <li>36. Controlling and investigation</li> <li>37. Validating E:mail information</li> <li>38. Tracing memory real: time</li> <li>39. National cyber security policy 2013</li> </ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami

Student activity planned/ homework given:	seminars
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Sign of the faculty

Principal's sign

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:INTRODUCTION TO COMPUTERS</b>
Learning objectives:	52. Introduction ,Types of data 53. Simple model of a computer 54. Data processing using a computer 55. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	138. Acquisition of Numbers and Textual data 139. Introduction, Input output 140. Internal Representation of Numeric data, representation of characters in computer 141. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars



DEVARAKONDA

<p>Name of the Faculty: Vennela vasa</p>	<p>Department: COMPUTER SCIENCE</p>
<p>Course/Group:BCOM(FIT1)</p>	<p>Semester;1<sup>st</sup></p>
<p>Subject: FIT</p>	<p>Topic:COMPUTER ARITHMETIC AND STORAGE FUNDAMENTALS</p>
<p>Learning objectives:</p>	<p>13. <i>Introduction,storage memory</i>          14. <i>Used as storage cells</i>          15. <i>Random access memory,read only memory</i>          16. <i>Central processing unit</i></p>
<p>Previous knowledge required:</p>	<p>Knowledge gain from text book</p>
<p>Synopsis:</p>	<p>142. Central prcessing unit          143. Introduction, structure of a central processing unit          144. Specified of cpu          8.Embedded processing</p>
<p>Illustrations/ Demonstration shown:</p>	<p>Computer</p>
<p>Teaching aids used:</p>	<p>Black Board and piece of chalk</p>
<p>References:</p>	<p>Bala guru swamy</p>
<p>Student activity planned/ homework given:</p>	<p>seminars</p>





**Name of the Faculty:Vennela vasa**

**Course/Group: MSDS(FIT1)**

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b> <b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: MSDS(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:software</b>
<b>Learning objectives:</b>	56. The software problem 57. Cost, schedule and quality 58. Scale and change 59. Process and project 60. Component software processes
<b>Previous knowledge required:</b>	Knowledge gain from text book\$previous classes
<b>Synopsis:</b>	145. The software problem 146. Software processes 147. Process and project 148. Component software processes 149. Programming principles and guidelines
<b>Illustrations/ Demonstration shown:</b>	Computer
<b>Teaching aids used:</b>	Black Board and piece of chalk
<b>References:</b>	Bala guru swamy

Student activity planned/ homework given:	seminars	Learning obj
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:OPERATING SYSTEM</b>
Learning objectives:	61. Introduction ,Types of data 62. Simple model of a computer 63. Data processing using a computer 64. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	150. Acquisition of Numbers and Textual data 151. Introduction, Input output 152. Internal Representation of Numeric data, representation of characters in computer 153. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**  
**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:data communication</b>
Learning objectives:	65. Communication process 66. Communication types 67. Data processing using a computer 68. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	154. Lan topologies 155. Types of network 156. Communication process
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala guru swamy
Student activity planned/ homework given:	seminars

Sign of the faculty  
sign

Principal's

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	82. File based system 83. Logical DBMS Architecture 84. DBA function role 85. Relational and ER Models 86. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	165. Advantages and disadvantages of DBMS 166. Physical DBMS Architecture 167. Types of database 168. Data models 169. Relational model 170. Relational constraints 171. Entity relationship architecture 172. Types of database 173. Data models 174. Relational model 175. Relational constraints 176. Entity relationship (ER) model 177. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> BCOM(CA)	<b>Semester:</b> III
<b>Subject:</b> RDBMS	<b>Topic:</b> Database integrity and Normalization
Learning objectives:	87. Relational database integrity 88. Entity integrity 89. Normalisation 90. File organisation 91. Heap files 92. Types of indexes
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	178. The keys 179. Dependencies 180. Rules of data Normalisation 181. Attribute preservation 182. Physical database design issues 183. Index and tree structure
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Structure Query Language</b>
Learning objectives:	31. SQL Commands 32. Joins
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	184. Data definition languages 185. Data manipulation 186. Data control language 187. Queries using order 188. Nested queries 189. Views 190. Table handling
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Transactions and concurrency management</b>
Learning objectives:	52. Transactions 53. Dead lock 54. Optimistic concurrency control 55. Database recovery and security 56. Backup and recovery techniques 57.
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	191. Concurrent transactions 192. Serializable schedules 193. Deadlock prevention, detection and avoidance 194. Failures controlling methods 195. Database errors 196. Security & integrity 197. Database security 198. Authorization
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: distributed database</b>
Learning objectives:	<ul style="list-style-type: none"><li>1. distributed database management system</li><li>2. two tier architecture</li><li>3. three tier architecture</li><li>4. client server architecture</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>42. distributed database</li><li>43 two tier architecture</li><li>44 three tier architecture</li><li>45 client server architecture</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: INTRODUCTION</b>
Learning objectives:	93. E- commerce meaning 94. Its advantages and its disadvantages 95. Business models 96. Classification of e- commerce
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	199. Applications of e- commerce 200. E-banking 201. E-marketing 202. E-trading 203. E-learning
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: FRAME WORK OF E-COMMERCE</b>
Learning objectives:	1.Application services 2.Interface layers 3.site security 4.secured HTTP 5.firewalls
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	204. Cryptography 205. Encryption 206. Decryption 207. Public key and private key 208. Digital signature
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: CONSUMER ORINTED E-COMMERCE APPLICATIONS</b>
Learning objectives:	1.Introduction 2.mercantile process model 3.consumer perspective 4.electronic payment system 5.Digital currency
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.electronic transfer fund 2.its advantages and disadvantages 3.digital token 4.based e-payment system 5.smart cards
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: ELECTRONIC DATA INTERCHANGE</b>
Learning objectives:	58. Introduction 59. EDI standards 60. Types of EDI
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1. EDI application 2. EDI software implementation 3. e-commerce 4. EDI legal security 5. EDI privacy issue
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: E-MARKETING TECHNIQUES</b>
Learning objectives:	<ul style="list-style-type: none"> <li>1.Introduction</li> <li>2.new age of information</li> <li>3.directory services</li> <li>4.chain letters</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>1.role of digital marketing</li> <li>2.consumer experience</li> <li>3.e- advertisement</li> <li>4.on line marketing process</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> Cryptography and network security
Learning objectives:	84. Introduction to cryptography 85. VPN security protocols 86. Security at application layer 87. Security transport layer 88. Security at network layer
Previous knowledge required:	Knowledge gain from text books
Synopsis:	40. Symmetric key cryptography 41. Overview of firewalls 42. Types of firewalls 43. SLL and TLSS 44. Digital singnature
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**  
**DEVARAKONDA**  
**(2020-2019)**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.COM</b>	<b>Semester:II</b>
<b>Subject:PROGRAMMING IN C &amp;C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	<ul style="list-style-type: none"> <li>33. INTRODUCTION OF COMPUTERS</li> <li>34. MEMORY HIERARCHY</li> <li>35. INTRODUCTION TO OS</li> <li>36. PROGRAMM FUNDAMENTALS</li> <li>37. ALGORITHMS</li> <li>38. BASIC OF C</li> <li>39. C-TOKENS</li> <li>40. TYPE CONVERSION</li> </ul>
Previous knowledge required:	Knowledge gain from text books
Synopsis:	<ul style="list-style-type: none"> <li>17. Classification of compuer</li> <li>18. Anatomy of computer</li> <li>19. Generation and classification of programming language</li> <li>20. Procedure and associativity</li> </ul>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes





**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: VASA . VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	37. Formated and non- formatted input / output 38. Control Statements 39. Special control Statements 40. Array 41. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	49. Escape squences 50. Selection staements 51. Iterative statements 52. Go to, break, continue, return, Exit 53. 1 -D array & 2-D array 54. Functions from ctype.h
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: VASA.VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	42. Functions 43. Call by value 44. Call by reference 45. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	55. FUNCTIONS 56. TYPES OF FUNCTIONS 57. Arrays to pointers 58. Pointers to pointers 59. Pointers to arrays 60. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA .VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.CON(CA)</b>	<b>Semester: II</b>
<b>Subject: PROGRAMMING IN C&amp;C++</b>	<b>Topic: User defined data types</b>
Learning objectives:	13. Declaring a structure 14. Structure Vs union 15. Enumeration types
Previous knowledge required:	Knowledge required from text books
Synopsis:	9. Initialization of structure 10. Array of structure
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: INTRODUCTION TO WEB TECHNOLOGIES</b>
Learning objectives:	97. HTML 98. Web technologies design principles 99. HTML attributes 100. lists
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	209. frames 210. tables 211. background ,images ,hyperlinks 212. style sheets 213. images 214. html tags 215. formatting text in html 216. programs on html
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:lv</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: AN OVERVIEW OF DYANAMIC WEB PAGE AND DYANAMIC WEB PAGE</b>
Learning objectives:	101.dynamic web page-technologies 102.introduction to dynamic html programming 103.cascading style sheet and its types' 104.advantages of css 105.basic syntax and its strcture
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.creating multi -media effect with filter and transitions 2.changin style sheet 3.text graphics 4.placements of text 5.changing attributes and text dynamically
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: JAVASCRIPT</b>
Learning objectives:	33. introduction 34. server side java script 35. functions 36. arrays 37. objects 38. operators
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.data and math related objects 2.document object model 3.expressions and statements 4.Data types 5.variables 6.client side java script
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EVENTS AND EVENTS HANDLERS</b>
Learning objectives:	61. General information about events 62. On abort 63. On click 64. On double click 65. On mouse out 66. On mouse move
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.on load 2.on mouse over 3.on focus 4.on key press 5.event handling 6.on submit
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EXTENSIBLE MARK UP LANGUAGES</b>
Learning objectives:	<ul style="list-style-type: none"><li>1.introduction</li><li>2.creating xml documents</li><li>3.xml style sheets</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.xml query language</li><li>2.hyperlinks</li><li>3.xml documents object model</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Introduction to cyber security , cyber security vulnerabilities and cyber securities safeguards
Learning objectives:	89. Introduction to cyber security 90. Cyber security vulnerabilities 91. Cyber securities safeguards 92. Cyber welfare 93. Open access organizational data
Previous knowledge required:	Knowledge gain from text books
Synopsis:	157. Overview of Cyber securities 158. Internet governance 159. Challenges and constraint 160. Cyber threats 161. Cyber crime 162. Need for nodal authority 163. Need for international 164. Overview 165. Week authentication 166. audit
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> securing web application , services and servers
Learning objectives:	94. Introduction 95. Management and web services 96. Security considerations
Previous knowledge required:	Knowledge gain from text books
Synopsis:	167. Authorization patterns 168. Challenges 169. Basic securities for soap services 170. Basic security for HTTP applications and services
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Intrusion detection and prevention
Learning objectives:	97. Intrusion 98. Physical theft 99. Network based intrusion detection system 100. Abuse of privileges 101. Malware infection
Previous knowledge required:	Knowledge gain from text books
Synopsis:	171. Network based intrusion prevention systems 172. Security information management 173. Network session analysis 174. System integrity validation 175. Unauthorized access by outsider 176. Host based intrusion prevention system
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> cyberspace and the law cyber forensics
Learning objectives:	102. Cyberspace and the law 103. Cyberspace forensics 104. Cyber security and standards 105. The Indian cyberspace
Previous knowledge required:	Knowledge gain from text books
Synopsis:	45. Introduction to cyber forensics 46. Handlings preliminary investigation 47. Controlling and investigation 48. Validating E:mail information 49. Tracing memory real: time 50. National cyber security policy 2013
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami

Student activity planned/ homework given:	seminars
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Sign of the faculty

Principal's sign

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:INTRODUCTION TO COMPUTERS</b>
Learning objectives:	69. Introduction ,Types of data 70. Simple model of a computer 71. Data processing using a computer 72. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	177. Acquisition of Numbers and Textual data 178. Introduction, Input output 179. Internal Representation of Numeric data, representation of characters in computer 180. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar
Student activity planned/ homework given:	seminars



DEVARAKONDA

<p>Name of the Faculty: Vennela vasa</p>	<p>Department: COMPUTER SCIENCE</p>
<p>Course/Group:BCOM(FIT1)</p>	<p>Semester;1<sup>st</sup></p>
<p>Subject: FIT</p>	<p>Topic:COMPUTER ARITHMETIC AND STORAGE FUNDAMENTALS</p>
<p>Learning objectives:</p>	<p>17. <i>Introduction,storage memory</i>          18. <i>Used as storage cells</i>          19. <i>Random access memory,read only memory</i>          20. <i>Central processing unit</i></p>
<p>Previous knowledge required:</p>	<p>Knowledge gain from text book</p>
<p>Synopsis:</p>	<p>181. Central pccessing unit          182. Introduction, structure of a central processing unit          183. Specified of cpu          8.Embedded processing</p>
<p>Illustrations/ Demonstration shown:</p>	<p>Computer</p>
<p>Teaching aids used:</p>	<p>Black Board and piece of chalk</p>
<p>References:</p>	<p>Bala guru swamy</p>
<p>Student activity planned/ homework given:</p>	<p>seminars</p>





**Name of the Faculty:Vennela vasa**

**Course/Group: MSDS(FIT1)**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: MSDS(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:software</b>
Learning objectives:	<ul style="list-style-type: none"> <li>73. The software problem</li> <li>74. Cost, schedule and quality</li> <li>75. Scale and change</li> <li>76. Process and project</li> <li>77. Component software processes</li> </ul>
Previous knowledge required:	Knowledge gain from text book\$previous classes
Synopsis:	<ul style="list-style-type: none"> <li>184. The software problem</li> <li>185. Software processes</li> <li>186. Process and project</li> <li>187. Component software processes</li> <li>188. Programming principles and guidelines</li> </ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala guru swamy

Student activity planned/ homework given:	seminars	Learning obj
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:OPERATING SYSTEM</b>
Learning objectives:	78. Introduction ,Types of data 79. Simple model of a computer 80. Data processing using a computer 81. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	189. Acquisition of Numbers and Textual data 190. Introduction, Input output 191. Internal Representation of Numeric data, representation of characters in computer 192. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**  
**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:data communication</b>
Learning objectives:	82. Communication process 83. Communication types 84. Data processing using a computer 85. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	193. Lan topologies 194. Types of network 195. Communication process
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala guru swamy
Student activity planned/ homework given:	seminars

Sign of the faculty  
sign

Principal's

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> BCOM(CA)	<b>Semester:</b> III
<b>Subject:</b> RDBMS	<b>Topic:</b> DATA BASE MANAGEMENT SYSTEM
Learning objectives:	106. File based system 107. Logical DBMS Architecture 108. DBA function role 109. Relational and ER Models 110. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	217. Advantages and disadvantages of DBMS 218. Physical DBMS Architecture 219. Types of database 220. Data models 221. Relational model 222. Relational constraints 223. Entity relationship rchitecture 224. Types of database 225. Data models 226. Relational model 227. Relational constraints 228. Entity relationship (ER) model 229. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> BCOM(CA)	<b>Semester:</b> III
<b>Subject:</b> RDBMS	<b>Topic:</b> Database integrity and Normalization
Learning objectives:	<ul style="list-style-type: none"> <li>111.Realational database integrity</li> <li>112.Entity integrity</li> <li>113.Normalisation</li> <li>114.File organisation</li> <li>115.Heap files</li> <li>116.Types of indexes</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>230. The keys</li> <li>231. Dependencies</li> <li>232. Rules of data Normalisation</li> <li>233. Attribute preservation</li> <li>234. Physical database design issues</li> <li>235. Index and tree structure</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Structure Query Language</b>
Learning objectives:	39. SQL Commands 40. Joins
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	236. Data definition languages 237. Data manipulation 238. Data control language 239. Queries using order 240. Nested queries 241. Views 242. Table handling
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Transactions and concurrency management</b>
Learning objectives:	67. Transactions 68. Dead lock 69. Optimistic concurrency control 70. Database recovery and security 71. Backup and recovery techniques 72.
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	243. Concurrent transactions 244. Serializable schedules 245. Deadlock prevention, detection and avoidance 246. Failures controlling methods 247. Database errors 248. Security & integrity 249. Database security 250. Authorization
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: distributed database</b>
Learning objectives:	<ul style="list-style-type: none"> <li>1. distributed database management system</li> <li>2. two tier architecture</li> <li>3. three tier architecture</li> <li>4. client server architecture</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>42. distributed database</li> <li>43 two tier architecture</li> <li>44 three tier architecture</li> <li>45 client server architecture</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: INTRODUCTION</b>
Learning objectives:	117. E- commerce meaning 118. Its advantages and its disadvantages 119. Business models 120. Classification of e- commerce
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	251. Applications of e- commerce 252. E-banking 253. E-marketing 254. E-trading 255. E-learning
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: FRAME WORK OF E-COMMERCE</b>
Learning objectives:	1.Application services 2.Interface layers 3.site security 4.secured HTTP 5.firewalls
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	256. Cryptography 257. Encryption 258. Decryption 259. Public key and private key 260. Digital signature
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: CONSUMER ORINTED E-COMMERCE APPLICATIONS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction</li><li>2. mercantile process model</li><li>3. consumer perspective</li><li>4. electronic payment system</li><li>5. Digital currency</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1. electronic transfer fund</li><li>2. its advantages and disadvantages</li><li>3. digital token</li><li>4. based e-payment system</li><li>5. smart cards</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: ELECTRONIC DATA INTERCHANGE</b>
Learning objectives:	73. Introduction 74. EDI standards 75. Types of EDI
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.EDI application 2.EDI software implementation 3.e-commerce 4.EDI legal security 5.EDI privacy issue
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: E-MARKETING TECHNIQUES</b>
Learning objectives:	<ul style="list-style-type: none"> <li>1.Introduction</li> <li>2.new age of information</li> <li>3.directory services</li> <li>4.chain letters</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>1.role of digital marketing</li> <li>2.consumer experience</li> <li>3.e- advertisement</li> <li>4.on line marketing process</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> Cryptography and network security
Learning objectives:	106. Introduction to cryptography 107. VPN security protocols 108. Security at application layer 109. Security transport layer 110. Security at network layer
Previous knowledge required:	Knowledge gain from text books
Synopsis:	51. Symmetric key cryptography 52. Overview of firewalls 53. Types of firewalls 54. SLL and TLSS 55. Digital singnature
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

**(2019-2018)**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.COM</b>	<b>Semester:II</b>
<b>Subject:PROGRAMMING IN C &amp;C++</b>	<b>Topic: COMPUTER FUNDAMENTALS</b>
Learning objectives:	41. INTRODUCTION OF COMPUTERS 42. MEMORY HIERARCHY 43. INTRODUCTION TO OS 44. PROGRAMM FUNDAMENTALS 45. ALGORITHMS 46. BASIC OF C 47. C-TOKENS 48. TYPE CONVERSION
Previous knowledge required:	Knowledge gain from text books
Synopsis:	21. Classification of compuer 22. Anatomy of computer 23. Generation and classification of programming language 24. Procedure and associativity
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes





**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: VASA . VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	46. Formated and non- formatted input / output 47. Control Statements 48. Special control Statements 49. Array 50. strings
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	61. Escape squences 62. Selection staements 63. Iterative statements 64. Go to, break, continue, return, Exit 65. 1 -D array & 2-D array 66. Functions from ctype.h
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty: VASA.VENNELA</b>	<b>Department: Computer science</b>
<b>Course/Group: B.COM(CA)</b>	<b>Semester:II</b>
<b>Subject:Programming in C&amp;C++</b>	<b>Topic: Input /Output</b>
Learning objectives:	51. Functions 52. Call by value 53. Call by reference 54. pointers
Previous knowledge required:	Knowledge gain from textbooks
Synopsis:	67. FUNCTIONS 68. TYPES OF FUNCTIONS 69. Arrays to pointers 70. Pointers to pointers 71. Pointers to arrays 72. pointers
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece chalk
References:	Bala guru swami
Student activity planned/ homework given:	Creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA .VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: B.CON(CA)</b>	<b>Semester: II</b>
<b>Subject: PROGRAMMING IN C&amp;C++</b>	<b>Topic: User defined data types</b>
Learning objectives:	16. Declaring a structure 17. Structure Vs union 18. Enumeration types
Previous knowledge required:	Knowledge required from text books
Synopsis:	11. Initialization of structure 12. Array of structure
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: INTRODUCTION TO WEB TECHNOLOGIES</b>
Learning objectives:	121. HTML 122. Web technologies design principles 123. HTML attributes 124. lists
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	261. frames 262. tables 263. background ,images ,hyperlinks 264. style sheets 265. images 266. html tags 267. formatting text in html 268. programs on html
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:lv</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: AN OVERVIEW OF DYANAMIC WEB PAGE AND DYANAMIC WEB PAGE</b>
Learning objectives:	125.dynamic web page-technologies 126.introduction to dynamic html programming 127.cascading style sheet and its types' 128.advantages of css 129.basic syntax and its strcture
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.creating multi -media effect with filter and transitions 2.changin style sheet 3.text graphics 4.placements of text 5.changing attributes and text dynamically
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEBTECHNOLOGIES</b>	<b>Topic: JAVASCRIPT</b>
Learning objectives:	<ul style="list-style-type: none"><li>41. introduction</li><li>42. server side java script</li><li>43. functions</li><li>44. arrays</li><li>45. objects</li><li>46. operators</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.data and math related objects</li><li>2.document object model</li><li>3.expressions and statements</li><li>4.Data types</li><li>5.variables</li><li>6.client side java script</li></ul>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EVENTS AND EVENTS HANDLERS</b>
Learning objectives:	76. General information about events 77. On abort 78. On click 79. On double click 80. On mouse out 81. On mouse move
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.on load 2.on mouse over 3.on focus 4.on key press 5.event handling 6.on submit
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VASA VENNELA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:IV</b>
<b>Subject: WEB TECHNOLOGIES</b>	<b>Topic: EXTENSIBLE MARK UP LANGUAGES</b>
Learning objectives:	<ul style="list-style-type: none"><li>1.introduction</li><li>2.creating xml documents</li><li>3.xml style sheets</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>1.xml query language</li><li>2.hyperlinks</li><li>3.xml documents object model</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Introduction to cyber security , cyber security vulnerabilities and cyber securities safeguards
Learning objectives:	111. Introduction to cyber security 112. Cyber security vulnerabilities 113. Cyber securities safeguards 114. Cyber welfare 115. Open access organizational data
Previous knowledge required:	Knowledge gain from text books
Synopsis:	196. Overview of Cyber securities 197. Internet governance 198. Challenges and constraint 199. Cyber threats 200. Cyber crime 201. Need for nodal authority 202. Need for international 203. Overview 204. Week authentication 205. audit
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> securing web application , services and servers
Learning objectives:	116. Introduction 117. Management and web services 118. Security considerations
Previous knowledge required:	Knowledge gain from text books
Synopsis:	206. Authorization patterns 207. Challenges 208. Basic securities for soap services 209. Basic security for HTTP applications and services
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bal guru swami
Student activity planned/ homework given:	seminars

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> 6 <sup>th</sup>
<b>Subject:</b> cyber security	<b>Topic:</b> Intrusion detection and prevention
Learning objectives:	119. Intrusion 120. Physical theft 121. Network based intrusion detection system 122. Abuse of privileges 123. Malware infection
Previous knowledge required:	Knowledge gain from text books
Synopsis:	210. Network based intrusion prevention systems 211. Security information management 212. Network session analysis 213. System integrity validation 214. Unauthorized access by outsider 215. Host based intrusion prevention system
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami

Student activity planned/ homework given:	seminars
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN DEVARAKONDA</b>	
<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> cyberspace and the law cyber forensics
Learning objectives:	124. Cyberspace and the law 125. Cyberspace forensics 126. Cyber security and standards 127. The Indian cyberspace
Previous knowledge required:	Knowledge gain from text books
Synopsis:	56. Introduction to cyber forensics 57. Handlings preliminary investigation 58. Controlling and investigation 59. Validating E:mail information 60. Tracing memory real: time 61. National cyber security policy 2013
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk

References:	Balaguru swami
Student activity planned/ homework given:	seminars

Sign of the faculty

Principal's sign

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty: Vennela vasa</b>	<b>Department: COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester; 1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic: INTRODUCTION TO COMPUTERS</b>
Learning objectives:	86. Introduction ,Types of data 87. Simple model of a computer 88. Data processing using a computer 89. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	216. Acquisition of Numbers and Textual data 217. Introduction, Input output 218. Internal Representation of Numeric data, representation of characters in computer 219. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Gourishenkar

Student activity planned/ homework given:	seminars

DEVARAKONDA

<p>Name of the Faculty: Vennela vasa</p>	<p>Department: COMPUTER SCIENCE</p>
<p>Course/Group:BCOM(FIT1)</p>	<p>Semester;1<sup>st</sup></p>
<p>Subject: FIT</p>	<p>Topic:COMPUTER ARITHMETIC AND STORAGE FUNDAMENTALS</p>
<p>Learning objectives:</p>	<p>21. <i>Introduction,storage memory</i>                  22. <i>Used as storage cells</i>                  23. <i>Random access memory,read only memory</i>                  24. <i>Central processing unit</i></p>
<p>Previous knowledge required:</p>	<p>Knowledge gain from text book</p>
<p>Synopsis:</p>	<p>220. Central pcessing unit                  221. Introduction, structure of a central processing unit                  222. Specified of cpu                  8.Embedded processing</p>
<p>Illustrations/ Demonstration shown:</p>	<p>Computer</p>
<p>Teaching aids used:</p>	<p>Black Board and piece of chalk</p>
<p>References:</p>	<p>Bala guru swamy</p>
<p>Student activity planned/ homework given:</p>	<p>seminars</p>





**Name of the Faculty:Vennela vasa**

**Course/Group: MSDS(FIT1)**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**

**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: MSDS(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>Topic:software</b>
Learning objectives:	<ul style="list-style-type: none"> <li>90. The software problem</li> <li>91. Cost, schedule and quality</li> <li>92. Scale and change</li> <li>93. Process and project</li> <li>94. Component software processes</li> </ul>
Previous knowledge required:	Knowledge gain from text book\$previous classes
Synopsis:	<ul style="list-style-type: none"> <li>223. The software problem</li> <li>224. Software processes</li> <li>225. Process and project</li> <li>226. Component software processes</li> <li>227. Programming principles and guidelines</li> </ul>
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala guru swamy

Student activity planned/ homework given:	seminars	Learning obj
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<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:OPERATING SYSTEM</b>
Learning objectives:	95. Introduction ,Types of data 96. Simple model of a computer 97. Data processing using a computer 98. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	228. Acquisition of Numbers and Textual data 229. Introduction, Input output 230. Internal Representation of Numeric data, representation of characters in computer 231. Error-Detecting codes
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN**  
**DEVARAKONDA**

<b>Name of the Faculty:Vennela vasa</b>	<b>Department:COMPUTER SCIENCE</b>
<b>Course/Group: BCOM(FIT1)</b>	<b>Semester;1<sup>st</sup></b>
<b>Subject: FIT</b>	<b>TopiC:data communication</b>
Learning objectives:	99. Communication process 100. Communication types 101. Data processing using a computer 102. Desktop computer
Previous knowledge required:	Knowledge gain from text book
Synopsis:	232. Lan topologies 233. Types of network 234. Communication process
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Bala guru swamy
Student activity planned/ homework given:	seminars

Sign of the faculty  
sign

Principal's

<b>TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN</b>	
<b>DEVARAKONDA</b>	
<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: DATA BASE MANAGEMENT SYSTEM</b>
Learning objectives:	130. File based system 131. Logical DBMS Architecture 132. DBA function role 133. Relational and ER Models 134. Relational operators E-R diagram
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	269. Advantages and disadvantages of DBMS 270. Physical DBMS Architecture 271. Types of database 272. Data models 273. Relational model 274. Relational constraints 275. Entity relationship architecture 276. Types of database 277. Data models 278. Relational model 279. Relational constraints 280. Entity relationship (ER) model 281. Conversion of E-R Diagram to relational database
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> computer science
<b>Course/Group:</b> BCOM(CA)	<b>Semester:</b> III
<b>Subject:</b> RDBMS	<b>Topic:</b> Database integrity and Normalization
Learning objectives:	<ul style="list-style-type: none"> <li>135.Realational database integrity</li> <li>136.Entity integrity</li> <li>137.Normalisation</li> <li>138.File organisation</li> <li>139.Heap files</li> <li>140.Types of indexes</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>282. The keys</li> <li>283. Dependencies</li> <li>284. Rules of data Normalisation</li> <li>285. Attribute preservation</li> <li>286. Physical database design issues</li> <li>287. Index and tree structure</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN****DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Structure Query Language</b>
Learning objectives:	47. SQL Commands 48. Joins
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	288. Data definition languages 289. Data manipulation 290. Data control language 291. Queries using order 292. Nested queries 293. Views 294. Table handling
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: Transactions and concurrency management</b>
Learning objectives:	82. Transactions 83. Dead lock 84. Optimistic concurrency control 85. Database recovery and security 86. Backup and recovery techniques 87.
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	295. Concurrent transactions 296. Serializable schedules 297. Deadlock prevention, detection and avoidance 298. Failures controlling methods 299. Database errors 300. Security & integrity 301. Database security 302. Authorization
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: III</b>
<b>Subject: RDBMS</b>	<b>Topic: distributed database</b>
Learning objectives:	<ul style="list-style-type: none"><li>1. distributed database management system</li><li>2. two tier architecture</li><li>3. three tier architecture</li><li>4. client server architecture</li></ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"><li>42. distributed database</li><li>43 two tier architecture</li><li>44 three tier architecture</li><li>45 client server architecture</li></ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: VENNELA .VASA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: INTRODUCTION</b>
Learning objectives:	141. E- commerce meaning 142. Its advantages and its disadvantages 143. Business models 144. Classification of e- commerce
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	303. Applications of e- commerce 304. E-banking 305. E-marketing 306. E-trading 307. E-learning
Illustrations/ Demonstration shown:	Computer AND Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: vasa vennela</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester:v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: FRAME WORK OF E-COMMERCE</b>
Learning objectives:	1.Application services 2.Interface layers 3.site security 4.secured HTTP 5.firewalls
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	308. Cryptography 309. Encryption 310. Decryption 311. Public key and private key 312. Digital signature
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: Bcom(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: CONSUMER ORINTED E-COMMERCE APPLICATIONS</b>
Learning objectives:	<ol style="list-style-type: none"><li>1. Introduction</li><li>2. mercantile process model</li><li>3. consumer perspective</li><li>4. electronic payment system</li><li>5. Digital currency</li></ol>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ol style="list-style-type: none"><li>1. electronic transfer fund</li><li>2. its advantages and disadvantages</li><li>3. digital token</li><li>4. based e-payment system</li><li>5. smart cards</li></ol>
Illustrations/ Demonstration shown:	computer
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E-COMMERCE</b>	<b>Topic: ELECTRONIC DATA INTERCHANGE</b>
Learning objectives:	88. Introduction 89. EDI standards 90. Types of EDI
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	1.EDI application 2.EDI software implementation 3.e-commerce 4.EDI legal security 5.EDI privacy issue
Illustrations/ Demonstration shown:	projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

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<b>Name of the Faculty: B SUPRIYA</b>	<b>Department: computer science</b>
<b>Course/Group: BCOM(CA)</b>	<b>Semester: v</b>
<b>Subject: E- COMMERCE</b>	<b>Topic: E-MARKETING TECHNIQUES</b>
Learning objectives:	<ul style="list-style-type: none"> <li>1.Introduction</li> <li>2.new age of information</li> <li>3.directory services</li> <li>4.chain letters</li> </ul>
Previous knowledge required:	Knowledge required from previous classes
Synopsis:	<ul style="list-style-type: none"> <li>1.role of digital marketing</li> <li>2.consumer experience</li> <li>3.e- advertisement</li> <li>4.on line marketing process</li> </ul>
Illustrations/ Demonstration shown:	Projector
Teaching aids used:	Board and piece of chalk
References:	Bala guru swami
Student activity planned/ homework given:	Seminar and creating a new programmes

Sign of the faculty

Principal's sign

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN  
DEVARAKONDA**

<b>Name of the Faculty:</b> B SUPRIYA	<b>Department:</b> COMPUTER SCIENCE
<b>Course/Group:</b> B.com (CA)	<b>Semester:</b> VI
<b>Subject:</b> cyber security	<b>Topic:</b> Cryptography and network security
Learning objectives:	128. Introduction to cryptography 129. VPN security protocols 130. Security at application layer 131. Security transport layer 132. Security at network layer
Previous knowledge required:	Knowledge gain from text books
Synopsis:	62. Symmetric key cryptography 63. Overview of firewalls 64. Types of firewalls 65. SLL and TLSS 66. Digital singnature
Illustrations/ Demonstration shown:	Computer
Teaching aids used:	Black Board and piece of chalk
References:	Balaguru swami
Student activity planned/ homework given:	seminars

