

GIRRAJ GOVT COLLEGE (A), NIZAMABAD
(COLLEGE WITH POTENTIAL FOR EXCELLENCE)

B.O.S-2021-2022



DEPARTMENT OF COMPUTER APPLICATIONS

PROCEEDINGS OF THE PRINCIPAL, GIRRAJ GOVT.COLLEGE(A)
Present: Sri Dr. E.Laxminarayana

Lr. No. / GGC-Nzb. / Comp. Applications/ BOS - 2021-2022 / Dated-20-11-2021

Sub.: constitution Board of studies members for the Dept.of Computer Science& Data Science- Girraj Govt. College (A), Nizamabad.

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ORDERS:

The following persons from Telangana University, Girraj govt.College are included as members for the Board of Studies in the department of computer Applications, Girraj Govt College(A), Nizamabad .The constitution of the BOS Members from this academic year i.e. 2021-22 .

1.Sri Dr. Md.Atheeq Sultan Ghori

Asst Prof.Comp.Science Dept &
Chair person B.O.S.,(University Nominee)
Telangana University,
Dichpally,Nizamabad.

2.Sri Dr. Rama

Asst. Prof. Comp. Science Dept
Kakatiya University ,Warangal

3. Sri T.Devanna

Asst Professor of History &
Chairman B.O.S.-B.A.(CA)
Girraj Govt.College(A),Nizamabad

4.. Sri N. Raja

Asst Professor of Physics &
Chairman B.O.S.,Comp.Sci Department,
Girraj Govt.College(A),Nizamabad.

5..Sri P.V.V.Satya Vaara Prasad

Asst. Professor of Commerce &
Chairman B.O.S. BCom(CA).
Girraj Govt.College(A),Nizamabad.

6. Sri V.Subhash

Lecturer & HOD of Comp.Sci
Goutami Degree College, Nizamabad.

7.. Sri P. Anand Kumar

CEO Indur Solutions
SAP support & Services
Plotno:104/141 ,Vaishali Nagar,Madinaguda
Hyderabad..

8.. All Faculty members of Computer Applications

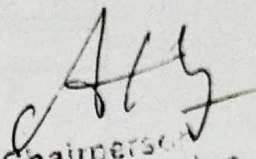
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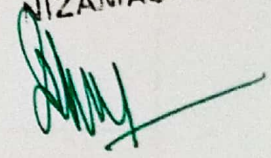
1. Chairperson BOS, Telangana University, Nizamabad

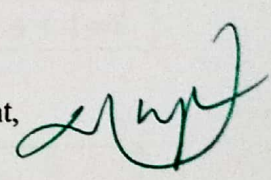
2. Chairperson BOS, Girraj.Govt. College(A), Nizamabad.

3. Individual

4. All Members, Dept .of. Computer Science& Applications& Data Science


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Board of Studies
Dept. of Computer Science & En
TELANGANA UNIVERSITY
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GIRRAJ GOVT.COLLEGE (A)
TELANGANA UNIVERSITY
B.A (Computer Applications)
CBCS Pattern with Effect from the Academic Year 2019-2020

Code	Course Title	Course Type	HpW	Credits
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SEMESTER - I

BS106	Programming in C	DSC-3A	4T+3P=7	4 + 1 =5
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SEMESTER - II

BS206	Programming in C++	DSC-3B	4T+3P=7	4 + 1 =5
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AECC

BS107	Fundamentals of Computers	AECC	2T	2
BS107				

SEMESTER - III

BS301	Communication Skills(or) Professional Skills (Sec -I)	SEC-1	2T	2
BS302	Python - 1 (Sec -II)	SEC-2	2T	2
BS306	Relational Data Base Management Systems	DSC-3C	4T+3P=7	4 + 1 =5

SEMESTER - IV

BS401	Leadership & Management Skill (or) (Sec -III) Universal Human Values	SEC-3	2T	2
BS402	Python - 2 (Sec -IV)	SEC-4	2T	2
BS406	Multi Media Systems	DSC-3D	4T+3P=7	4 + 1 =5

SEMESTER - V

BS501	Information Technologies	GE	4T	4
BS505	Programming in Java	DSE-3E	4T+3P=7	4 + 1 =5

SEMESTER - VI

BS605	Web Technologies	DSE-3F	4T+3P=7	4 + 1 =5
Project/Optional				
BS601	Information Security and Cyber Laws	PO	3T+3P=6	3 + 1 =4
Total Number of Credits				48

Atk
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Computer Science & Engg

DEPARTMENT OF COMPUTER APPLICATIONS

Girraj Govt. College (Autonomous)

B.A III Year V Semester Syllabus

Core-PAPER-V: Java Programming

(w.e.f from 2021-2022)

Max. Marks: 70(Theory)

Internal Assessment:30

Theory
Practical

4Hrs/Week

4Credits

3Hrs/Week

1Credit

UNIT-I

Chapter-I:

Java History, Basic concepts of object oriented programming, Java features, How java differs from C and C++,Java and Internet ,Java and WWW, Web browsers, Java Environment, Simple java program, Use of math functions,An application with two classes, Java program structure, Java Tokens,Java Statements, Implementation of Java Program,JVM,Command line arguments.

Chapter-II:

Constants, Variables, Datatypes, Declaration of variables, Giving values to variables, Scope of variables, Type casting, Operators of java: Arithmetic Expressions, Evaluation of Expression, precedence of Arithmetic Operators, Mathematical Functions.

UNIT-II

Chapter-I:

Decision making and branching:if-statement,if else,e'lse if ladder,nested if ,switch,Loop:while,do-while,for,nested loops,Jumps in loops:break,continue,labeled loops. Classes,objects and methods:Designing a class,field declaration,method declaration,creating objects,Accessing class members,constructors:Default Constructor,Parameterized constructors,Method Overloading,Static Members,Nesting Methods.

Chapter-II

Inheritance:Extending a class,Overriding Method,final variables and methods,Final Classes,Finalizer Methods,Abstract Methods and Classes.

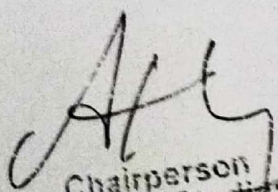
UNIT III

Chapter I

Arrays:One Dimensional Arrays,Two Dimentional Arrays,Strings, Vectors, Wrapper Classes,Enumerated Types.Interfaces:Designing interfaces,Extending Interfaces,implementing Interfaces,Accessing interface variables

Chapter-II:

Packages:Java API Packages,Using System Packages,Naming Conventions,Creating Packages,Accessing a Package,Using Package.


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UNIT IV

Chapter I

Multithreading Programming: Creating Threads, Extending the thread class, Stopping and blocking a thread, Life Cycle of a thread, Using Thread Methods, Thread Exception, Thread Priority, Synchronization, Implementing the Runnable Interface.

Chapter II

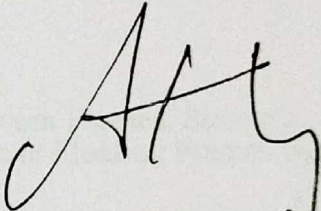
Managing Errors and Exceptions: Types of Errors, Exceptions, Syntax of Exception Handling Code, Multiple Catch Statements. Applet Programming: How applets differ from applications, Preparing to write applets, Building applet Code, Applet Life Cycle, Creating an Executable Applet, Designing a web page, Applet Tag, Adding Applet to HTML file, Running the Applet, More about Applet Tag, Passing Parameters to Applets, Aligning the Display, More about HTML tag, Displaying Numeric values, Getting I/O from User.

Textbooks: Sachin Malhotra, Saurabh Choudhary, *Programming in Java (2e)*
Bruce Eckel, *Thinking in Java (4e)*

References: Herbert Schildt, *Java: The Complete Reference (9e)*

Y. Daniel Liang, *Introduction to Java Programming (10e)*

Paul Deitel, Harvey Deitel, *Java: How To Program (10e)*


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DEPARTMENT OF COMPUTER APPLICATIONS
Girraj Govt. College (Autonomous)
B.A. III Year VI Semester Syllabus
Core-PAPER-VI-Web Technologies
(w.e.f from 2021-2022)

	Max. Marks: 70(Theory)	
	Internal Assessment: 30	
Theory	4Hrs/Week	4Credits
Practical	3Hrs/Week	1Credit

Unit - I

Chapter-I:

HTML Basics:

Introduction to HTML, Basic structure, Elements and Attributes HTML, Text Formatting tags, Types of tags, Lists, Navigation: Basic Links, Creating Links with the <a> Element,

Images tags and attributes: Adding Images Using the Element, Using Images as Links

Chapter-II:

Tables: Introducing Tables, Nested Tables.

Forms: Introducing Forms, Form Controls

Frames: Introducing Frameset, <frame> Element, Creating Links between Frames, Setting a Default Target Frame Using <base> Element, Nested Framesets, Inline or Floating Frames with <iframe>.

Unit - II

Chapter-I:

Introduction to DHTML:

Cascading Style Sheets: Introducing CSS, Types of CSS..

CSS Properties: Controlling Text, Text Formatting, Selectors (Class and Id), Length, .

More Cascading Style Sheets: Embedded style sheet, Inline Style sheet, External style sheet. Links using external CSS.

Chapter-II:

Introducing the Box Model.

Events in DHTML: Mouse Events and keyboard handling in DHTML

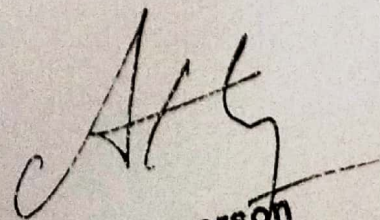
Unit - III

Chapter-I:

Introduction To JavaScript: Advantages of JavaScript, How to Add Script to Your Pages, basic structure of JavaScript, Variables, Operators.

Chapter-II:

Control Statements: conditional statements, Looping statements, Arrays , Functions.



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Unit - IV
Chapter-I:

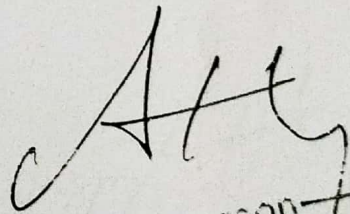
Built- In Objects: String Objects, Math Objects, Date and Time objects, Document Object Model (HTMLDOM), Form Validations.

Chapter-II

Introduction to XML: Advantages of XML, basic structure of xml.
Document Type Definition (DTD): Introduction to Internal and external DTDs.

Text: Jon Duckett, *Beginning HTML, XHTML, CSS and JavaScript*

References Chris Bates, *Web Programming*
M. Srinivasan, *Web Technology: Theory and Practice* Achyut S. Godbole, Atul Kahate, *Web Technologies*
Kogent Learning Solutions Inc, *Web Technologies Black Book*
Ralph Moseley and M. T. Savaliya, *Developing Web Applications*
P.J. Deitel & H.M. Deitel, *Internet and World Wide Web How to program*


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GIRRAJ GOVERNMENT COLLEGE (A), NIZAMABAD
DEPARTMENT OF APPLICATIONS
B.A-III COMPUTER APPLICATIONS SEMESTER -V
Core-PAPER-V: Java Programming
CBCS (With effect from 2021-2022)

Time: 1Hr

Internal Examination

Max.Marks:30

I. Multiple choice questions


10x1=10

II. Fill in the Blanks

15x1=15

III. Assignment:

Marks: 05


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