GIRRAJ GOVT COLLEGE (A), NIZAMABAD

(COLLEGE WITH POTENTIAL FOR EXCELLENCE)

B.O.S-2020-2021

DEPARTMENT OF COMPUTER
APPLICATION

PROCEEDINGS OF THE PRINCIPAL, GIRRAJ GOVT.COLLEGE(A)

Present: Sri Dr. E.Laxminarayana

Lr. No.   / GGC-Nzb. / Comp. App / BOS 2020-2021 / Dated   .02-2021

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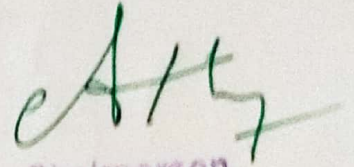
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ORDERS:

The following persons from Telangana University,Girraj govt.College are included as members for the Board of Studies in the department of Computer Application,Girraj Govt College(A),Nizamabad .The constitution of the BOS Members from this academic year i.e. 2020-21 .

1. Dr. Md.Atheeq Sultan Ghori

Asst.Prof.Comp.Science Dept &

Chair person B.O.S.,(University Nominee)

Telangana University,

Dichpally,Nizamabad.

Chairperson
Board of Studies
Dept. of Computer Science & Engg.
TELANGANA UNIVERSITY

2. Sri N. Ramesh Goud

HOD of History & Executive Member & Chairman
B.O.S.-B.A.(CA)
Girraj Govt.College(A),Nizamabad.

3. Sri N. Raja

Lecturer in Physics &

Chairman B.O.S.,Comp.Sci Department,

Girraj Govt.College(A),Nizamabad.

Incharge :   Computer Applications
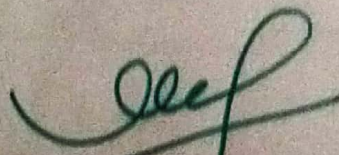Girra   ernment College,
MAR

4. Sri V.Subhash

Lecturer & HOD of Comp.Sci

Goutami Degree & PG College, Nizamabad.

5. All staff members
Of the Computer Sci.Dept

Copy to

1. Chairperson BOS,TU,NZB

2.Chairperson BOS,GGC,NZB

3.Individual

4. All Members ,Dept .of.Comp.Sci

PRINCIPAL
Girraj Govt. College (A

Semester -I

Course Title	H/Week		Credits
	Th	Pr	
Programming in C	4	3	4+1 = 5

Semester –II

Programming in C++	4	3	4+1 = 5

Semester –III

Relational Data Base Management Systems	4	3	4+1 = 5

Semester –IV

Multi Media Systems	4	3	4+1 = 5

Semester –V

Mobile Applications	4	3	4+1 = 5

Semester –VI

Web Technologies	4	3	4+1 = 5

AECC

Semester -I	Hours/Week	Credits
	Th	
Fundamentals of Computer	2	2
Semester -II	Hour/Week	
Office Automation	2	2
SEC		
Semester -III		
Python –I (Sec –I)	2	2
Ci Lab –I (Sec –II)	2	2
Semester -IV		
Python –II (Sec –III)	2	2
Ci Lab –II (Sec –IV)	2	2
Generic Elective (GE)		
Semester -IV		
Information Technologies	4	4
Project/Optional		
Information Security and	Thr pr	3+1=4

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Board of Studies
Computer Science & Engg.

GIRRAJ GOVERNMENT COLLEGE (AUTONOMOUS), NIZAMABAD
B.A. COMPUTER APPLICATIONS
Year –II, Semester:III, PAPER-III
CHOICE BASED CREDIT SYSTEM (With effect from 2020-21)
SUBJECT: Relational Database Management System

Unit – I

Introduction to Databases: Introduction, Traditional File-Based Systems, Database Approach, Roles in the Database Environment, Advantages and Disadvantages of DBMSs, The Three-Level ANSI-SPARC Architecture, Database Languages, Data Models, Functions of a DBMS, Components of a DBMS. Relational Model: Introduction, Terminology, Integrity Constraints, Views.

Unit – II

SQL: Introduction, SQl Datatypes, Database languages:DDL,DML,TCL,DCL,operators of Sql-Queries, clauses: where, order by, group by, having clause.
Joins: Types of joins,functions of SQL,Nested queries, sub queries,ANY and ALL, set operators,EXISTS,NO EXIST , views.

Unit – III

Entity–Relationship Modeling: Entity Types, Relationship Types, Attributes, Keys, Strong and Weak Entity Ty Attributes on Relationships.
Enhanced Entity–Relationship Modeling: Specialization/Generalization, Aggregation, and Composition.

Unit – IV

Functional–Dependencies: Anomalies, Partial Functional Dependency, Transitive Functional Dependency, Normalization: The Purpose of Normalization, How Normalization Supports Database Design, Data Redundancy, Functional Dependencies in brief, The Process of Normalization,1NF, 2NF, 3NF, BCNF, The Database Design Methodology for Relational Databases (Appendix–D).

Transaction Management: Transaction Support–Properties of Transactions, Database Architecture, Concurrency Control–The Need for Concurrency Control, Serializability and Recoverability, Locking Methods, Deadlock, Time Stamping Methods.

Text

Reference s

Thomas M. Connolly, Carolyn E. Begg, *Database Systems–A Practical Approach to Design, Implementation, and Manageme* (6e)

Sharon Allen, Evan Terry, *Beginning Relational Data Modeling*

Jeffrey A. Hoffer, V. Ramesh, Heikki Topi, *Modern Database Management* Raghu Ramakrishnan, Johannes Gehrke, *Database Management Systems* Ramez Elmasri, Shamkant B. Navathe, *Fundamentals of Database Systems* Abraham Silberschatz, Henry F. Korth, S. Sudarshan, *Database System Concepts*

GIRRAJ GOVERNMENT COLLEGE (AUTONOMOUS), NIZAMABAD
B.A. COMPUTER APPLICATIONS
Year –II, Semester:IV, PAPER-IV
CHOICE BASED CREDIT SYSTEM (With effect from 2020-21)
SUBJECT: Multimedia Systems

Max. Marks: 70(Theory)
Internal Assessment: 25

Theory	3Hrs/Week	3Credits
Practical	2Hrs/Week	1Credit

Unit I
Multimedia: Introduction, Definitions, Where to Use Multimedia- Multimedia in Business, Schools, Home, Public Places, Virtual Reality; Delivering Multimedia.

UNIT II
Text: Meaning, Fonts and Faces, Using Text in Multimedia, Computers and Text, Font Editing and Design Tools, Hypermedia and Hypertext.
Images: Before You Start to Create, Making Still Images, Color.

Unit III
Sound: The Power of Sound, Digital Audio, MIDI Audio, MIDI vs. Digital Audio, Multimedia System Sounds, Audio File Formats.
Animation: The Power of Motion, Principles of Animation, Animation by Computer,
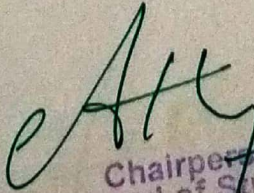
Unit IV
Making Multimedia: The Stages of a Multimedia Project, Hardware, Software, Authoring Systems
The Internet and Multimedia: Internet History, Internetworking, Multimedia on the Web.

Text book:
1. Tay Vaughan, "Multimedia: Making it work", TMH, Eighth edition.

Reference books:
1. Ralf Steinmetz and Klara Naharstedt, "Multimedia: Computing, Communications Applications", Pearson.

2. Keyes, "Multimedia Handbook", TMH.

3. K. Andleigh and K. Thakkar, "Multimedia System Design", PHI.

. Spoken Tutorial on "Blender, GIMP, Inkscape", as E-resource for Learning. http://spoken-tutorial.org

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Board of Studies
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TELANGANA UNIVERSITY
NIZAMABAD

GIRRAJ GOVERNMENT COLLEGE (A), NIZAMABAD
DEPARTMENT OF COMPUTER APPLICATION
BA(COMPUTER APPLICATION)
SEMESTER-IV
Paper-IV: Multimedia System
CBCS (With effect from 2020-2021)

Time: 1Hr   Internal Examination   Max.Marks:25

Marks: 5 X1=5

I. Fill in the blanks

Q. 1 .
Q. 2
Q. 3
Q. 4
Q. 5

Marks:5X2=10

II . Answer any Five Questions.

Q. 6.
Q. 7
Q. 8
Q. 9
Q. 10
Q. 11
Q. 12
Q. 13

Marks:2X5=10

III . Answer ALL Questions.

Q. 14
  a)

      or

  b)

Q. 15

  a)

      or

  b)

IV Assignment: Marks: 05

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Dept. of Computer Science & Engg.
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