BAPATLA WOMEN'S ENGINEERING COLLEGE
BAPATLA-522101, Guntur (Dt), A.P.
(Sponsored by Bapatla Education Society)
Approved by AICTE-New Delhi, Affiliated to AcharyaNagarjuna University
An ISO 9001:2015 Certified Institution
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE OUTCOMES

A.Y:2023-24   **SEM:II**   **CLASS:2/4 CSE**

SUBJECT:Discrete Mathematics/CS 221

COURSE OUTCOMES:

Upon successful completion of the course, the student will be able to:
1. Understand formal methods of proof and propositional & First order logic to validate the propositional statements.
2. Apply techniques for counting the occurrences of discrete events including permutations, combinations with or without repetitions.
3. Analyse generating function and recurrence relations.
4. Construct the real-world problems using directed and undirected graphs.

SUBJECT:Essence of Indian Traditional Knowledge/CS 222

COURSE OUTCOMES:

1. Understand philosophy of Indian culture.
2. Distinguish the Indian languages and literature.
3. Learn the philosophy of ancient, medieval and modern India.
4. Acquire the information about the fine arts in India
5. Know the contribution of scientists in different eras.

SUBJECT:Data Structures & Algorithms/CS 223

COURSE OUTCOMES:

1. Remembering basic data structure operations and analyse the time and space complexity of algorithms.
2. Understanding algorithms using the basic operations of stacks and queues and analyse their complexity.
3. Understanding basic operations of linked lists and analyse their algorithm complexity.
4. Evaluate the performance of selection Sort, Bubble Sort, Insertion Sort, Quick Sort, Merge Sort, Heap Sort algorithms in term of Space and Time complexity and implementing the searching algorithms.
5. Constructing binary trees, binary search tress, AVL trees and B+ trees and Graphs.

SUBJECT:Database Management Systems/CS 224

COURSE OUTCOMES:

1.Understand the basic concepts of database management systems
2. Apply SQL or Relational Algebra operations to find solutions for a given application
3.Apply normalization techniques to improve database design
4.Analyze a real time scenario to use Conceptual and Relational data models for designing the database.

SUBJECT:Unix Programming/CS 225

COURSE OUTCOMES:

1.Understand the basic Unix architecture, commands and utilities of the UNIX operating system and to work confidently in Unix/Linux environment and open systems
2.Creating simple and complex shell scripts to automate various tasks using shell programming.
3.Analyse file management system calls.
4.Understand various concepts of processand process related commands in UNIX.
5.Understand UNIX system administration and Inter Process Communication.

SUBJECT:Signals& Systems/CS 226

COURSE OUTCOMES:

1. Remembering Continuous Time (CT) and Discrete Time (DT) signals and systems.
2. Understanding LTI system in time domain.
3. Analyse periodic and aperiodic signals using Fourier transform and Fourier series.
4. Describe state space analysis and sampling process.
5.Analyse and characterize the LTI continuous time using Laplace Transform and discrete time system using Z transform.

SUBJECT:Data Structures & Algorithms Lab/ CS 261

COURSE OUTCOMES:

1.Understand basic data structures such as arrays, linked lists, stacks and queues.
2. Implement the stack, Queue and their applications.
3.Implement various types of linked lists and their applications.
4.Ability to have knowledge of tree and graphs concepts.
5.Apply Algorithm for solving problems like sorting, searching, insertion and deletion of data.

SUBJECT:DBMS LAB/ CS 262

COURSE OUTCOMES:

1. Applydatabasemanagementtechniquestosolveproblems.
2. ConductexperimentsbyusingmoderntoolslikeOracle or MYSQL.
3. Developaneffectivereportbasedonvariousconstructsimplemented.
4. Applytechnicalknowledgeforagivenproblemandexpresswithaneffectiveoral communication.
5. Analyzeoutputsofqueriesforagivenproblem.

SUBJECT:UNIX Lab/ CS 263

COURSE OUTCOMES:

1. Understand the basic concepts of UNIX Architecture and basic Commands.
2. Understand different types of Files, File system and basic file system commands.
3. Understand the commands related to Shell basics, vi editor and regular expression commands.
4. Implement vi editor commands and shell programs
5. Understand the concepts of advance file concepts, commands related to Shell script and filter commands.

SUBJECT:Communicative English Lab II / CS 264

COURSE OUTCOMES:

1. To realize the importance of communication skills in job arena

To enhance the students ability to communicate.
2. Able to learn vocabulary for GRE, TOEFL, IELTS,IES etc.

3. Capable to participate in all recruitment procedures.

4. Able to communicate effectively over a phone and proficient to demonstrate telephoning skills.

5. Able to describe procedures and improves analytical thinking.

6. Able to know the importance of personality development.