



**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 AI&ML**

**SUBJECT:**Discrete Mathematics/AM 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/ AM 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:** Advanced Data Structures/ AM 223

**COURSE OUTCOMES:**

1. Understanding the role of algorithms in computing and finding time complexity for recursive algorithms.
2. Analyse hierarchical data structures and algorithms to solve computing problems.
3. Create algorithms using graph structure to solve real-life problems.
4. Understanding partition ADT.
5. Implementing data structures for handling strings.

**SUBJECT:**Java Programming/ AM 224

**COURSE OUTCOMES:**

1. Apply knowledge of basic syntax, data types, and control structures of Java.
2. Design and implement object-oriented programs using classes, objects, and inheritance.
3. Implement common algorithms and data structures using Java programming.
4. Develop GUI applications using Java Swing.
5. Implement exception handling mechanisms and error handling techniques in Java programs.

**SUBJECT:**Operating Systems/ AM 225

**COURSE OUTCOMES:**

1. To learn the mechanisms of OS to handle processes and threads and their communication
2. To learn the mechanisms involved in memory management in contemporary OS.
3. To gain knowledge on distributed operating system concepts that includes architecture,
  4. Mutual exclusion algorithms, deadlock detection algorithms and agreement protocols.
  5. To know the components and management aspects of concurrency management.
6. To learn to implement simple OS mechanisms.

**SUBJECT:**Artificial Intelligence/ AM 226

**COURSE OUTCOMES:**

1. Apply Planning and Learning for solving AI problems.
2. Analyze a given problem and apply AI Techniques.
3. Interpret Statistical reasoning and filler structures.
4. Apply various problem planning systems and different learning methodologies.

**SUBJECT:**Operating Systems Lab / AM 261

**COURSE OUTCOMES:**

1. Ability to implement interprocess communication between two processes.
2. Ability to design and solve synchronization problems.
3. Ability to simulate and implement operating system concepts such as scheduling, Deadlock management, file management, and memory management.

**SUBJECT:**JAVA Lab/ AM 262

**COURSE OUTCOMES:**

1. Implement Object oriented features using Java
2. Apply the concept of polymorphism and inheritance.
3. Implement exception handling
4. Develop network and window application using awt and swings.

**SUBJECT:**AILab/ AM 263

**COURSE OUTCOMES:**

- 1.Implement programs on strings using python.
- 2.Develop Gaming Applications in AI.
- 3.Utilize advanced package like NLTK for implementing artificial intelligence.
- 4.Implement Text Classification using NLTK.

**SUBJECT:**Communicative English Lab II / AM 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, IESetc
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.