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:3/4 AI&ML**

SUBJECT:Data Science/AM 321

COURSE OUTCOMES:

Upon successful completion of the course, the student will be able to:

1. Apply principles of NumPy and Pandas to the analysis of data.
2. Make use of various file formats in loading and storage of data.
3. Identify and apply the need and importance of pre-processing techniques.
4. Show the results and present them in a pictorial format

SUBJECT:Artificial Neural Networks /AM 322

COURSE OUTCOMES:

1. Demonstrate ANN structure and activation Functions
2. Define foundations and learning mechanisms and state-space concepts
3. Identify structure and learning of perceptions
4. Explain Feed forward, multi-layer feed forward networks and Back propagation algorithms
5. Analyze Radial Basis Function Networks, Theor Regularization and RBF networks

SUBJECT : Web Technologies/AM 323

COURSE OUTCOMES:

1. Demonstrate HTML, CSS, JavaScript and develop static and dynamic web pages using them.
2. Use Java script for dynamic effects , validate form input entry and write a well formed / valid XML documents.
3. Implement Server-side programming with Java Servlets and JSP.
4. Illustrate the basic concepts of PHP.
5. Establish server side applications using PHP to catch form data sent from client and store it on MYSQL database.

SUBJECT :DATA VISUALIZATION /AM 324(A)

COURSE OUTCOMES:

1. Apply the visualization process for creating visual representations.
2. Classify visualization techniques for different types of data.
3. Analyze visualization methods for graphs, trees, Networks.
4. Apply visualization techniques for GIS , maps and use collaborative visualization.
5. Summarize the recent trends in visualization techniques and their applications for real world problems.

SUBJECT : MOBILE COMPUTING/AM 325 A

COURSE OUTCOMES:

At the end of the course, the student should be able to:

1. Explain the basics of mobile telecommunication systems
2. Illustrate the generations of telecommunication systems in wireless networks
3. Determine the functionality of MAC, network layer and Identify a routing protocol for a given Ad hoc network
4. Explain the functionality of Transport and Application layers
5. Develop a mobile application using android/blackberry/ios/Windows SDK

SUBJECT :Constitution of India/AM326

COURSE OUTCOMES:

1. Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics.
2. Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India
3. Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution
4. Discuss the passage of the Hindu Code Bill of 1956

SUBJECT :Data Science Lab /AM361

COURSE OUTCOMES:

1. Write, test, and debug simple Python programs.
2. Develop different type of Arrays and Matrix Functions by importing NumPy.
3. Perform various Statistical and Comparison operations on arrays and matrix
4. Visualize data using graphs by importing Matplotlib
5. Handle and transform data by importing any CSV file to Pandas DataFrame

SUBJECT :Web Technologies Lab /AM362

COURSE OUTCOMES:

6. Demonstrate HTML, CSS, JavaScript and develop static and dynamic web pages using them.
7. Use Java script for dynamic effects , validate form input entry and write a well formed / valid XML documents.
8. Implement Server-side programming with Java Servlets and JSP.
9. Illustrate the basic concepts of PHP.
10. Establish server side applications using PHP to catch form data sent from client and store it on MYSQL database.

SUBJECT :Data Visualization Lab /AM363 A

COURSE OUTCOMES:

1. Demonstrate knowledge of technical advances through active participation in life-long
2. Discuss concepts and principles of data visualization particularly related to decision making.
3. Investigate technologies and practices for visualizing data as part of a data management and analytics system
4. Conduct research relevant data visualization topics
5. Use existing visualization tools and techniques to analyze basic datasets.

SUBJECT :POWER Bi Lab/AM364

COURSE OUTCOMES:

1. Import well-formed data into Power BI Desktop
2. Installing and Using the Power BI Mobile App
3. Discover and build DAX functions that enhance your dataset
4. Learn to build calculated columns, tables and measures
5. Create Interactive Power BI Dashboards