JNTUH COLLEGE OF ENGINEERINGJAGTIAL
Nachupally, Kondagattu, Jagtial-505501

Department of Computer Science and Engineering

LIST OF COURSE OUTCOMES
2020-21 (I Sem)
B.Tech - IV-Year I Sem

C401	C401-Data Mining
C401.1	Understand the need of the Data Mining in addition to database management systems.
C401.2	Convert raw data to standard format using pre-processing techniques.
C401.3	Study and identify the association rules by mining frequent patterns from large data sets.
C401.4	Compare and contrast different classification algorithms for mining the data.
C401.5	Make a group of abstract objects into classes of similar objects using clustering algorithms.
C401.6	Ability to classify web pages, extracting knowledge from the web.

C402	C402-Principles of Programming Languages
C402.1	Review the concepts of programming languages.
C402.2	Compare and analyze different data types and statements in different languages such as C, PASCAL, JAVA, C#.
C402.3	Differentiate between functions and procedures and design issues of sub programs in various programming environments.
C402.4	Understand the concepts of synchronization and exceptional handling in OOP.
C402.5	Learn the concepts of logical programming and functional programming.
C402.6	Apply scripting languages in web design and real-time applications.

C403	PE-II : C403-Python Programming
C403.1	Understand Python syntax and semantics and be fluent in the use of Python flow control and functions.
C403.2	Compose, run and manipulate Python Programs using core data structures like Lists, Dictionaries and use Regular Expressions.
C403.3	Demonstrate proficiency in handling Strings, File Systems and applying exception handling to gain efficient testing and debugging skills in python.
C403.4	Interpret the concepts of Object-Oriented Programming in Python.
C403.5	Implement exemplary applications related to Network Programming, Web Services and Databases in Python.
C403.6	Implement applications in Machine Learning, IoT, Big data and Data Analysis using Python.

C404	PE-III : C404-Machine Learning
C404.1	Understand the concepts of computational intelligence like machine learning techniques.
C404.2	Apply machine learning techniques to address the real time problems in different areas.
C404.3	Understand the artificial Neural networks and its usage in machine learning application.
C404.4	Apply analytical learning techniques to address the real time problems in different domains.
C404.5	Generate learning set rules by considering sample data sets.
C404.6	Understand and compare different types of machine learning algorithms.

C405	PE-IV : C405-Cloud Computing
C405.1	Understand the various high performance computing techniques available to perform highly complex tasks.
C405.2	Learn the concept of characteristics, deployment models and service models available with cloud computing to service the clients.
C405.3	Demonstrate an architecture, autonomy and different ways managing cloud.
C405.4	Exploring the pros and corns of IaaS, PaaS ans SaaS and other service models in depth.
C405.5	Understand the various cloud service providers available in the market such as Google cloud, Amazon Cloud, Microsoft Cloud, Salesforce , etc.,
C405.6	Acquire the knowledge on cloud, its functioning and maintenance which is helpful to work on cloud platform.

C406	C406-Data Mining Lab
C406.1	Understand various kinds of tools
C406.2	Explore and understand various Data Mining functionalities available in Weka tool.
C406.3	Understand, analyze available datasets in Weka tool and able to create new datasets.
C406.4	Understand and apply appropriate pre-processing techniques on datasets.
C406.5	Understand and apply supervised and unsupervised learning techniques on datasets.
C406.6	Compare and contrast different mining techniques for realistic data

C407	C407-Python Programming Lab
C407.1	Understand the basic concepts of scripting and the contributions of scripting language
C407.2	Explore the built in object-oriented concepts of Python.
C407.3	Compose, run and manipulate Python Programs using core data structures like Lists, Dictionaries and use Regular Expressions.
C407.4	Apply exception handling and gain efficient testing, debugging skills in python
C407.5	Access database using python programming.
C407.6	Create practical and contemporary applications such as TCP/IP network programming, Web applications, discrete event simulations

C408	C408 - Industry Oriented Mini Project
C408.1	Demonstrate a through and systematic understanding of project contents.
C408.2	Ability to provide solutions to complex problems
C408.3	Understand methodologies and professional way of documentation and communication.
C408.4	Know the key stages in development of the project.

C408.5	Extend or use the idea in mini project for major project.
C408.6	Demonstrate the strong working knowledge of ethics and professional responsibility.

C409	C409 - Seminar
C409.1	Demonstrate the presentation skills of a student.
C409.2	Demonstrate the discussion skills of a student
C409.3	Demonstrate the listening skills of a student
C409.4	Demonstrate the augmentation and critical thinking skill of a student.
C409.5	Communicate with engineers and the community at large in written and oral forms
C409.6	Demonstrate the strength of questioning and answering big questions