JNTUH COLLEGE OF ENGINEERINGJAGTIAL
Nachupally, Kondagattu, Jagtial-505501

Department of Computer Science and Engineering

LIST OF COURSE OUTCOMES
2021-22 (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- Cryptography and Network Security
C402.1	Understand the significance of security along with security services, mechanisms. And able to understand various conventional cryptography algorithms.
C402.2	Analyze different symmetric and asymmetric encryption algorithms.
C402.3	Understand the importance of hash functions and digital signatures.
C402.4	Understand the techniques for email security using PGP, S/MIME.
C402.5	Remembering requirements for web security and implementing security through SSL/TLS.
C402.6	Understand the measures for data protection from intruders, virus.

C403	PE-IV: C404- Cloud Computing
C403.1	Understand the various high performance computing techniques available to perform highly complex tasks.
C403.2	Learn the concept of characteristics, deployment models and service models available with cloud computing to service the clients.
C403.3	Demonstrate an architecture, autonomy and different ways managing cloud.
C403.4	Exploring the pros and corns of laaS, PaaS ans SaaS and other service models in depth.
C403.5	Understand the various cloud service providers available in the market such as

	Google cloud, Amazon Cloud, Microsoft Cloud, Salesforce , etc.,
C403.6	Acquire the knowledge on cloud, its functioning and maintenance which is helpful to work on cloud platform.

C404	PE-V: C404- Advanced Algorithms
C404.1	Analyze the performance of algorithms.
C404.2	Choose appropriate data structures and algorithm design methods for a specified application.
C404.3	Understand how the choice of data structures and the algorithm design methods impact the performance of programs.
C404.4	Analyze different types of sorting networks.
C404.5	Compare and analyze different string matching algorithms.
C404.6	Understand the concepts of P, NP, NP Complete problems and reducibility.

C405	OE-II : C405- Principles of Entrepreneurship
C405.1	Students will be able to acquire general knowledge in the fields of entrepreneurship and provide students with necessary skills and characteristics
C405.2	Students will be able to identify strategies and issues in expansion of business
C405.3	students will be able to analyse the objectives and functions of all small scale industries
C405.4	students will be able to identify the marketing strategies and production strategies
C405.5	Students will be able to observe entrepreneurship environments and role models work and real business environments and experience
C405.6	Students will be able to acquire knowledge on Labor welfare schemes and which helps an entrepreneur to run a business.

C406	C406- Cryptography and Network Security Lab
C406.1	Implement cryptographic algorithms.
C406.2	Implement the Diffie-Hellman Key Exchange mechanism using HTML and JavaScript
C406.3	Perform encryption and decryption using Ceaser cipher, Substitution cipher, Hill Cipher algorithms
C406.4	Analyze and implement RSA algorithm
C406.5	Generate and distribute a PGP key pair and use the PGP package to send an encrypted e-mail message.
C406.6	Understand and solve the current legal issues towards information security.

C407	C407- Seminar
C407.1	Demonstrate the presentation skills of a student.
C407.2	Demonstrate the discussion skills of a student
C407.3	Demonstrate the listening skills of a student
C407.4	Demonstrate the augmentation and critical thinking skill of a student.
C407.5	Communicate with engineers and the community at large in written and oral forms
C407.6	Demonstrate the strength of questioning and answering big questions

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 - Project Stage-I**
C409.1	Understand the basic concepts & broad principles of projects
C409.2	Understand concepts of Project, its stages and Project Management
C409.3	Get capable of self education and clearly understand the value of achieving perfection in project implementation & completion.
C409.4	Know the key stages in development of the project.
C409.5	Enable the students to implement project planning as per the project requirements.
C409.6	Demonstrate professionalism with ethics; present effective communication skills and relate engineering issues to broader societal context

C410	**C410 - Project Stage-II**
C410.1	Apply fundamental and disciplinary concepts and methods in ways appropriate to their principal areas of Project.
C410.2	Demonstrate skill and knowledge of current information and technological tools and techniques specific to the professional field of study.
C410.3	Use effectively oral, written and visual communication for project documentation.
C410.4	Identify, analyze, and solve problems creatively through sustained critical investigation.
C410.5	Integrate information from multiple sources.
C410.6	Apply the theoretical concepts to solve industrial problems with teamwork and multidisciplinary approach