



**BAPATLA WOMEN'S ENGINEERING COLLEGE :: BAPATLA**  
**AN ISO 9001-2015 CERTIFIED INSTITUTION**  
**APPROVED BY AICTE**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### Course Outcomes

**Class: III/IV CSE**

**A.Y: 2023-24**

**Course Title &code: Automata Theory and Compiler Design&CS311-R20**

<b>CO No.</b>	<b>Course Outcome Statement</b>	<b>Bloom's Taxonomy</b>	<b>Bloom's Taxonomy Level</b>
<b>C311.1</b>	Understand the basic properties of formal languages	<b>Understand</b>	<b>L2</b>
<b>C311.2</b>	Differentiate regular, context-free and recursively enumerable languages. And Make grammars to produce strings from a specific language.	<b>Understand</b>	<b>L2</b>
<b>C311.3</b>	Including decidability and intractability.	<b>Analyze</b>	<b>L4</b>
<b>C311.4</b>	Understand different considerations and phases of compilation, the impact of language attributes upon the compilation process,	<b>Understand</b>	<b>L2</b>
<b>C311.5</b>	Understand The effect of hardware feature on the generated code and the practical fundamentals of compiler implementation.	<b>Understand</b> <b>Apply</b>	<b>L2</b> <b>L3</b>

### Course Outcomes

**Class/ Branch: III/IV CSE**

**Sub/Code: JAVA/CS312-R20**

**Academic Year: 2023-2024**

<b>CO No.</b>	<b>Course Outcome Statement</b>	<b>Bloom's Taxonomy</b>	<b>Bloom's Taxonomy Level</b>
<b>C312.1</b>	Analyse the necessity for Object Oriented Programming paradigm over structured programming and become familiar with the fundamental concepts in OOP like encapsulation, Inheritance and Polymorphism.	<b>ANALYZE</b>	<b>L4</b>
<b>C312.2</b>	Design and develop java programs, analyse, and interpret object-oriented data and report results	<b>ANALYZE</b> <b>APPLY</b>	<b>L4</b> <b>L3</b>
<b>C312.3</b>	Design an object-oriented system, AWT components and multithreaded processes as per needs and specifications.	<b>APPLY</b>	<b>L3</b>
<b>C312.4</b>	Participate and succeed in competitive examinations like GATE, Engineering services, recruitment interviews etc.	<b>APPLY</b>	<b>L3</b>



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**Course Outcomes**

Class/ Branch: III/IV CSE      Sub/Code: DAA/CS313-R20      Academic Year: 2023-2024

CO No.	Course Outcome Statement	Bloom's Taxonomy	Bloom's Taxonomy Level
C313.1	Understand the concept of complexity analysis for algorithms and using Divide and Conquer approach for problem solving.	Understand Apply	L2 L3
C313.2	Apply algorithm design principles by using Greedy method for fractional knapsack and real world problems like shortest path.	Apply Create	L3 L6
C313.3	Analyze and design Dynamic Programming, back tracking and branch and bound techniques in common engineering design situations like TSP and N-Queens.	Analyze Create	L4 L6
C313.4	Understand NP class problems and formulate solutions using standard approaches.	Understand	L2

**Course Outcomes**

Class: III/IV CSE

Academic Year: 2023-2024

Course Title & Code: Artificial Intelligence & Machine Learning & CS314A-R20

CO No.	Course Outcome Statement	Bloom's Taxonomy	Bloom's Taxonomy Level
C314A.1	Demonstrate fundamental understanding of artificial intelligence(AI) and expert systems.	Apply Understand	L3 L2
C314A.2	Apply basic principles of AI in solutions that require problem solving ,inference, perception , knowledge representation, and learning.	Apply	L2
C314A.3	Demonstrate proficiency in applying scientific method to model so f machine learning.	Apply	L3
C314A.4	Discuss the basics of ANN and different optimizations techniques.	Analyzing	L4



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**Course Outcomes**

**Class/ Branch: III/IVCSE**

**Sub/Code: COMPUTER NETWORKS /CS315-R20**

**Academic Year: 2023-2024**

<b>CO No.</b>	<b>Course Outcome Statement</b>	<b>Bloom's Taxonomy</b>	<b>Bloom's Taxonomy Level</b>
<b>C315.1</b>	Explain basic concepts, OSI reference model, services and role of each layer of OSI model and TCP/IP, networks devices and transmission media, Analog and digital data transmission	<b>Understand</b> <b>Analyze</b>	<b>L2</b> <b>L3</b>
<b>C315.2</b>	Apply channel allocation, framing, error and flow control techniques.	<b>Apply</b>	<b>L3</b>
<b>C315.3</b>	Describe the functions of Network Layer i.e. Logical addressing, subnetting& Routing Mechanism.	<b>Understand</b> <b>Analyze</b>	<b>L2</b> <b>L3</b>
<b>C315.4</b>	Explain the different Transport Layer function i.e. Port addressing, Connection Management, Error control and Flow control mechanism.	<b>Understand</b> <b>Analyze</b>	<b>L2</b> <b>L3</b>
<b>C315.5</b>	Explain the different protocols used at application layer i.e. HTTP, SNMP, SMTP, FTP, TELNET and VPN.	<b>Understand</b>	<b>L2</b>

**Course Outcomes**

**Class/ Branch: III/IVCSE**

**Sub/Code: JAVA LAB /CS351 –R20**

**Academic Year: 2023-2024**

<b>CO No.</b>	<b>Course Outcome Statement</b>	<b>Bloom's Taxonomy</b>	<b>Bloom's Taxonomy Level</b>
<b>C351.1</b>	Implement Object oriented features using Java	APPLY	L3
<b>C351.2</b>	Apply the concept of polymorphism and inheritance.	APPLY	L3
<b>C351.3</b>	Implement exception handling.	APPLY	L3
<b>C351.4</b>	Develop network and window application using awt and swings.	APPLY	L3

Class: III/IV CSE

**Course Outcomes**

Academic Year: 2023-24

SUB/ Code: Artificial Intelligence & Machine Learning Lab / CS352A-R20

CO No.	Course Outcome Statement	Bloom's Taxonomy	Bloom's Taxonomy Level
C352A.1	Apply the algorithms for A* search, AO* Search.	Apply	L3
C352A.2	Implement and Demonstrate the candidate Elimination, decision tree algorithms.	Apply	L3
C352A.3	Apply the algorithms for Naive Bayesian classifier and EM Classifier.	Apply	L3
C352A.4	Implement the K-Nearest Neighbor and regression algorithms.	Apply	L3

**Course Outcomes**

Class/ Branch: III/IV CSE Sub/Code: MOBILE APPLICATION DEVELOPMENT LAB /CS353-R20

Academic Year: 2023-2024

CO No.	Course Outcome Statement	Bloom's Taxonomy	Bloom's Taxonomy Level
C353.1	Develop mobile applications using GUI and Layouts	Apply	L3
C353.2	Develop mobile applications using Event Listener.	Apply	L3
C353.3	Develop mobile applications using Databases.	Apply	L3
C353.4	Develop mobile applications using RSS Feed, Internal/External Storage, SMS and GPS	Apply	L3
C353.5	Analyse and discover own mobile app for simple needs.	Analyze	L4

