

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER
DEPARTMENT OF ELECTRONICS & COMPUTER ENGINEERING
COURSE OUTCOMES (CO)

BE. 2019 Course

Data Science and Visualization (410341), BE-Sem-VII

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
C401.1	Apply data preprocessing methods on open access data and generate quality data for analysis	2
C402.2	Apply and analyze classification and regression data analytical methods for real life Problems.	3
C403.3	Implement analytical methods using Python/R	4
C404.4	Apply different data visualization techniques to understand the data.	3
C405.5	Analyze the data using suitable method; visualize using the open source tool.	3
C406.6	Model Multi-dimensional data and visualize it using appropriate tool	4

Information and Cyber Security (410344C), BE-Sem-VII

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
C404.1	Use cryptographic techniques in secure application development.	1, 2
C404.2	Apply methods for authentication, access control, intrusion detection and prevention.	3
C404.3	Apply the scientific method for security assessment.	3
C404.4	Illustrate computer forensics knowledge.	2
C404.5	Apply Key management factors for Secure Communication.	3
C404.6	Apply knowledge to develop Prevention of software against virus.	3

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COURSE OUTCOMES (CO)

BE. 2019 Course

Internet of Things(410343), BE-Sem-VII

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
C403.1	Demonstrate and identify building blocks of Internet of things.	1,2
C403.2	Identify and analyze Internet of Things protocol and security for various applications.	1,2
C403.3	Identify and Understand challenges of WSN and cloud computing in IoT	1,2
C403.4	Understand interface of sensors and actuators with Arduino and Raspberry Pi and write the program for the same	1,2
C403.5	Demonstrate Big data architecture and identify components of Big Data Solution.	1, 2
C403.6	Apply the knowledge and skills to design and develop basic IoT applications on embedded platform	1,2

Web Technology (410342), BE-Sem-VII

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
C402.1	Discuss the Internet & Web Technologies.	2
C402.2	Discuss web development process and front end tools.	2
C402.3	Apply JavaScript and jQuery to Validate the client side scripting.	3
C402.4	Construct web based application using servlet and JSP for server side web technology.	6
C402.5	Construct web based application using PHP for server side web technology.	6
C402.6	Identify web services and content management for solving problem	2

VLSI Design and Technology (410351), BE-Sem-VIII

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
CO1	Describe the role of HDL in digital system design using VHDL and Verilog.	2
CO2	Design an Advanced digital circuit using HDL.	6
CO3	Interpret Memory elements along with timing considerations.	3
CO4	Describe the concepts of Physical design Process such as floor planning, placement and routing.	2
CO5	Describe & Construct digital circuit using PLD & FPGA and Understand the importance of testability in chip design.	2,6
CO6	Describe the Fundamentals of CMOS Technology in Digital Domain& Design CMOS circuits for specified applications.	2

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COURSE OUTCOMES (CO)

BE. 2019 Course

Artificial Intelligence and Machine Learning (410350) , BE-Sem-VIII

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
CO1	Evaluate Artificial Intelligence (AI) methods and describe their foundations.	5
CO2	Analyze and illustrate how search algorithms play vital role in problem solving, inference, perception, knowledge representation and learning.	4
CO3	Demonstrate knowledge of reasoning and knowledge representation for solving real world Problems.	3
CO4	Demonstrate basic knowledge of Machine learning for problem solving.	2
CO5	APPLY machine learning algorithms for classification and regression problems.	3
CO6	Summarize the neural networks working and its evaluation.	2

Wireless Sensor Network (410353D), BE-Sem-VIII

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
CO1	Explain various concepts and terminologies used in WSN.	2
CO2	Describe importance and use of radio communication and link management in WSN.	1,2
CO3	Explain various wireless standards and protocols associated with WSN.	2
CO4	Describe the importance of localization and routing techniques used in WSN.	2
CO5	Explain and understand techniques of data aggregation and importance of security in WSN.	1,2
CO6	Design and deploy WSN application and also examine the issues involved in design and deployment of WSN.	6

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COURSE OUTCOMES (CO)

BE. 2019 Course

Cloud computing (410352A), BE-Sem-VIII

After successfully completing the course students will be able to,

Co. No.	Description	Bloom's Taxonomy Level
CO1	Articulate the main concepts, key technologies and fundamentals of cloud computing.	1,2
CO2	Understand cloud enabling technologies and virtualization.	1,2
CO3	Analyze various cloud programming models and apply them to solve problems on the cloud	1,2
CO4	Explain data storage and major security issues in the cloud.	1,2
CO5	Understand trends in ubiquitous cloud and internet of things	1, 2
CO6	Explore future trends of cloud computing	1,2