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
C4O1.1	**Apply** data preprocessing methods on open access data and generate quality data for analysis	2
C4O2.2	**Apply** and **analyze** classification and regression data analytical methods for real life Problems.	3
C4O3.3	**Implement** analytical methods using Python/R	4
C4O4.4	**Apply** different data visualization techniques to understand the data.	3
C4O5.5	**Analyze** the data using suitable method; visualize using the open source tool.	3
C4O6.6	**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)
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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
C4O2.1	**Discuss** the Internet & Web Technologies.	2
C4O2.2	**Discuss** web development process and front end tools.	2
C4O2.3	**Apply** JavaScript and jQuery to Validate the client side scripting.	3
C4O2.4	**Construct** web based application using servlet and JSP for server side web technology.	6
C4O2.5	**Construct** web based application using PHP for server side web technology.	6
C4O2.6	**Identify** web services and content management for solving problem	2

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