S.S.G.M.C.E. SHEGAON

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

COURSE OUTCOMES OF ALL COURSES OF THE SEVENTH SEMESTER B.E. (ELECTRONICS AND TELECOMMUNICATION ENGINEERING)

7ETC01 - Cryptography and Network Security

After successfully completing the course, the students will be able to:

CO1	Analyse concepts of security and various ciphers
CO2	Understand various encryption and decryption algorithms
CO3	Apply authentication functions and hash algorithms
CO4	Understand the concepts of Emil and transport security

7ETC02 - Digital Image & Video Processing

After successfully completing the course, the students will be able to:

CO1	Understand the 2D signal terminology and basics of digital image processing, elements of visual perception, etc., and analyse various types and formats of images.
CO2	Analyse and implement spatial and frequency domain filtering techniques for gray images and 2D-discrete Fourier transform for image processing.
CO3	Implement the various methodologies for image Segmentation, Compression and Restoration etc., for practical applications.
CO4	Understand and analyse basics of time-varying image formation model (video), 3D motion model, geometric and photometric image formation, temporal segmentation, video object detection and tracking, etc.

7ETC03 - Project Management & Entrepreneurship

After successfully completing the course, the students will be able to:

CO1	Understand basic concept of Project management
CO2	Attain the knowledge of cost estimation & working capital
CO3	Prepare Cost Sheets, balance sheets and Cash Flow statements
CO4	Understand the Entrepreneurial competencies & traits
CO5	Discuss the Management skills for Entrepreneurs
CO6	Understand Social Entrepreneurship

7ETC04 - Mobile Communication and Networks

After successfully completing the course, the students will be able to:

CO1	Explain basic concept of cellular systems and standards
CO2	Demonstrate knowledge of Signal propagation model
CO3	Understand and compare different multiple access techniques in mobile communication and demonstrate advance knowledge of MIMO
CO4	Understand the concept of rake receiver and Know various Mobile Communication Systems and standards

7ETC05 - Introduction to MEMS

After successfully completing the course, the students will be able to:

CO1	Consider recent advancements in MEMS for project, research and academic work.
CO2	Demonstrate skills to select appropriate material for MEMS devices
CO3	Understand the fabrication process of MEMS
CO4	Select the appropriate sensor and actuator in a given application.