



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

**DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

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

**6ETC01 - Computer Networking**

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

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| CO1 | Identify different types of network devices and their functions within a network.   |
| CO2 | Understand the basic functions of data logical link control and media access control and protocol used in these layers.   |
| CO3 | Distinguish between the layers of the OSI and TCP/IP model.   |
| CO4 | Analyze, specify, and design routing strategies for an IP-based networking infrastructure                                 |
| CO5 | Understand the concept of reliable and unreliable transfer protocol of data and how TCP and UDP implement these concepts. |
| CO6 | Understand various Application layer Protocols.   |

**6ETC02 - Computer Architecture**

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

|     |   |
|-----|---|
| CO1 | Understand the working and performance parameters of the computers  |
| CO2 | Perform floating point arithmetic operations and design ALU as per the requirement  |
| CO3 | Understand the trade-offs in choosing the appropriate microinstruction programming and microprogrammed Control Unit           |
| CO4 | Understand and design different types of memory systems   |
| CO5 | Understand how the input-output units communicate with the processor and also the use of parallel and pipelined architectures |

### **6ETC03 - Satellite Communication**

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

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| CO1 | Understand history, architecture, frequency bands, types, different phenomenon in satellite communication |
| CO2 | Apply the concepts related to orbital mechanics and satellite channels                                    |
| CO3 | Analyse various subsystems in satellite communication   |
| CO4 | Understand VSAT and GPS   |

### **6ETC04 - Wireless Communication**

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

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| CO1 | Illustrate the evolution of cellular mobile system and understand cellular concepts.                             |
| CO2 | Use fundamentals of cellular radio system.   |
| CO3 | Understand propagation mechanism in mobile radio system.   |
| CO4 | Demonstrate concepts of various 2nd and 3rd generation cellular systems and wireless data communication networks |

### **6ETC05 - Engineering Economics**

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

|     |   |
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| CO1 | To Learn basics of Engineering Economics                                  |
| CO2 | To Understand and compute the production cost                             |
| CO3 | To Study different cash flow methods and Understand depreciation analysis |
| CO4 | To Understand Indian Banking System and evaluate Engineering alternatives |