

ANNA UNIVERSITY, CHENNAI – 600 025.
CENTRE FOR ACADEMIC COURSES
AFFILIATED INSTITUTIONS

Additional Subjects to be studied and subjects exempted in respect of students originally admitted
in Regulations R2013 and Rejoined in Regulations 2017 (CBCS)

FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING
BRANCH: B.E. Computer Science and Engineering

REJOINING SEMESTER	ADDITIONAL SUBJECTS	EXEMPTED SUBJECTS
I	NIL	NIL
II	1. GE8151 Problem Solving and Python Programming 2. GE8161 Problem Solving and Python Programming Laboratory	1. GE8261 Engineering Practices Laboratory
III	1. GE8151 Problem Solving and Python Programming, 2. GE8161 Problem Solving and Python Programming Laboratory 3. GE8291 Environmental Science and Engineering 4. BE8255 Basic Electrical, Electronics and Measurement Engineering	1. CS8351 Digital Principles and System Design 2. CS8382 Digital Systems Laboratory
IV	1. MA8351 Discrete Mathematics 2. CS8392 Object Oriented Programming 3. CS8383 Object Oriented Programming Laboratory	1. CS8491 Computer Architecture 2. CS8492 Database Management Systems 3. CS8481 Database Management Systems Laboratory
V	1. MA8351 Discrete Mathematics 2. CS8392 Object Oriented Programming 3. CS8383 Object Oriented Programming Laboratory	1. CS8591 Computer Networks 2. EC8691 Microprocessors and Microcontrollers 3. EC8681 Microprocessors and Microcontrollers Laboratory 4. CS8581 Networks Laboratory
VI	1. CS8392 Object Oriented Programming 2. CS8383 Object Oriented Programming Laboratory 3. MA8551 Algebra and Number Theory 4. Open Elective I	1. CS8651 Internet Programming 2. CS8661 Internet Programming Laboratory 3. Professional Elective II
VII	NIL	NIL
VIII	NIL	NIL

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Note: All Students who have got readmitted after break of study shall choose electives which they have not already studied either as a core or as an elective in their previous semesters.

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**FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING
BRANCH: B.E. ELECTRONICS AND COMMUNICATION ENGINEERING**

REJOINING SEMESTER	ADDITIONAL SUBJECTS	EXEMPTED SUBJECTS
I	NIL	NIL
II	1. GE8151 Problem Solving and Python Programming 2. GE8161 Problem Solving and Python Programming Laboratory	1. GE8261 Engineering Practices Laboratory
III	1. GE8151 Problem Solving and Python Programming 2. GE8161 Problem Solving and Python Programming Laboratory 3. BE8254 Basic Electrical and Instrumentation Engineering	NIL
IV	1. EC8391 Control Systems Engineering	-
V	1. GE8291 Environmental Science and Engineering	-
VI	1. EC8552 Computer Architecture and Organization 2. EC8551 Communication Networks 3. Professional Elective I 4. Open Elective I 5. EC8563 Communication Networks Laboratory	1. EC8651 Transmission Lines and RF Systems 2. EC8691 Microprocessors and Microcontrollers 3. EC8681 Microprocessors and Microcontrollers Laboratory
VII	1. EC8652 Wireless Communication	1. EC8701 Antennas and Microwave Engineering
VIII	1. EC8652 Wireless Communication	1. Professional Elective V

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FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING
BRANCH: B.TECH. INFORMATION TECHNOLOGY

REJOINING SEMESTER	ADDITIONAL SUBJECTS	EXEMPTED SUBJECTS
I	NIL	NIL
II	1. GE8151 Problem Solving and Python Programming 2. GE8161 Problem Solving and Python Programming Laboratory	1. GE8261 Engineering Practices Laboratory
III	1. GE8151 Problem Solving and Python Programming 2. GE8161 Problem Solving and Python Programming Laboratory 3. IT8201 Information Technology Essentials 4. BE8255 Basic Electrical, Electronics and Measurement Engineering 5. IT8211 Information Technology Essentials Laboratory	1. CS8351 Digital Principles and System Design 2. CS8382 Digital Systems Laboratory
IV	1. MA8351 Discrete Mathematics 2. CS8392 Object Oriented Programming 3. CS8383 Object Oriented Programming Laboratory	1. CS8491 Computer Architecture 2. CS8492 Database Management Systems 3. CS8481 Database Management Systems Laboratory 4. GE8291 Environmental Science and Engineering
V	1. MA8351 Discrete Mathematics 2. CS8392 Object Oriented Programming 3. CS8383 Object Oriented Programming Laboratory	1. CS8494 Software Engineering 2. EC8691 Microprocessors and Microcontrollers 3. EC8681 Microprocessors and Microcontrollers Laboratory
VI	1. MA8551 Algebra and Number Theory 2. Open Elective I 3. CS8392 Object Oriented Programming 4. CS8383 Object Oriented Programming Laboratory	1. CS8592 Object Oriented Analysis and Design 2. CS8582 Object Oriented Analysis and Design Laboratory 3. CS8092 Computer Graphics and Multimedia 4. Professional Elective I
VII	1. CS8091 Big Data Analytics	1. Professional Elective III
VIII	NIL	NIL

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Note: All Students who have got readmitted after break of study shall choose electives which they have not already studied either as a core or as an elective in their previous semesters.

Additional Subjects to be studied and subjects exempted in respect of students originally admitted in Regulations R2013 and Rejoined in Regulations 2017 (CBCS)

FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING
BRANCH: B.E. BIOMEDICAL ENGINEERING

REJOINING SEMESTER	ADDITIONAL SUBJECTS	EXEMPTED SUBJECTS
I	NIL	NIL
II	<ol style="list-style-type: none"> GE8151 Problem Solving and Python Programming GE8161 Problem Solving and Python Programming Laboratory 	<ol style="list-style-type: none"> GE8261 Engineering Practices Laboratory
III	<ol style="list-style-type: none"> GE8151 Problem Solving and Python Programming GE8161 Problem Solving and Python Programming Laboratory BM8251 Engineering Mechanics for Biomedical Engineers BM8201 Fundamentals of Bio Chemistry BM8211 Bio Chemistry Laboratory 	<ol style="list-style-type: none"> EC8353 Electron Devices and Circuits BM8312 Devices and Circuits Laboratory
IV	<ol style="list-style-type: none"> BM8251 Engineering Mechanics for Biomedical Engineers BM8302 Pathology and Microbiology BM8311 Pathology and Microbiology Laboratory 	<ol style="list-style-type: none"> EC8393 Fundamentals of Data Structures in C EC8381 Fundamentals of Data Structures in C Laboratory
V	<ol style="list-style-type: none"> EC8392 Digital Electronics 	<ol style="list-style-type: none"> EC8394 Analog and Digital Communication
VI	<ol style="list-style-type: none"> EC8392 Digital Electronics EC8553 Discrete – Time Signal Processing Open Elective I Professional Elective I EC8562 Digital Signal Processing Laboratory 	<ol style="list-style-type: none"> EC8691 Microprocessors and Microcontrollers EC8681 Microprocessors and Microcontrollers Laboratory BM8601 Diagnostic and Therapeutic Equipment-I MD8091 Hospital Management Professional Elective II
VII	<ol style="list-style-type: none"> Open Elective I Professional Elective** 	<ol style="list-style-type: none"> BM8701 Diagnostic and Therapeutic Equipment II BM8702 Radiological Equipments
VIII	NIL	NIL

Note: ** The candidate readmitted after break of study and rejoining in VI semester shall undergo additionally one elective Course as Professional Elective VI to earn the required number of credits as per the Regulations (CBCS).

Note: All Students who have got readmitted after break of study shall choose electives which they have not already studied either as a core or as an elective in their previous semesters.

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**FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING
BRANCH: B.E. COMPUTER AND COMMUNICATION ENGINEERING**

REJOINING SEMESTER	ADDITIONAL SUBJECTS	EXEMPTED SUBJECTS
I	NIL	NIL
II	<ol style="list-style-type: none"> GE8151 Problem Solving and Python Programming GE8161 Problem Solving and Python Programming Laboratory 	<ol style="list-style-type: none"> GE8261 Engineering Practices Laboratory
III	<ol style="list-style-type: none"> GE8151 Problem Solving and Python Programming GE8161 Problem Solving and Python Programming Laboratory BE8254 Basic Electrical and Instrumentation Engineering GE8291 Environmental Science and Engineering 	<ol style="list-style-type: none"> EC8353 Electron Devices and Circuits
IV	<ol style="list-style-type: none"> EC8352 Signals and Systems Professional Elective ** 	<ol style="list-style-type: none"> EC8394 Analog and Digital Communication CS8451 Design and Analysis of Algorithms CS8491 Computer Architecture CO8411 Digital Electronics Laboratory
V	<ol style="list-style-type: none"> CS8392 Object Oriented Programming EC8491 Communication Theory CS8494 Software Engineering CS8383 Object Oriented Programming Laboratory 	<ol style="list-style-type: none"> EC8394 Analog and Digital Communication EC8691 Microprocessors and Microcontrollers EC8681 Microprocessors and Microcontrollers Laboratory CS8591 Computer Networks (VI semester) CS8581 Networks Laboratory (VI semester)
VI	<ol style="list-style-type: none"> CS8392 Object Oriented Programming EC8491 Communication Theory CS8383 Object Oriented Programming Laboratory MA8551 Algebra and Number Theory CS8592 Object Oriented Analysis and Design CS8582 Object Oriented Analysis and Design Laboratory Open Elective I 	<ol style="list-style-type: none"> CS8651 Internet Programming CS8591 Computer Networks CO8601 Telecommunication Switching and Networks EC8652 Wireless Communication CS8661 Internet Programming Laboratory CS8581 Networks Laboratory
VII	NIL	<ol style="list-style-type: none"> CO8701 Antennas and Wave propagation
VIII	NIL	<ol style="list-style-type: none"> Professional Elective V

Note: ** The candidate readmitted after break of study and rejoining in IV semester shall undergo additionally one Elective Course as professional elective VI to earn the required number of credits as per the Regulations (CBCS).

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Note: All Students who have got readmitted after break of study shall choose electives which they have not already studied either as a core or as an elective in their previous semesters.

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**FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING
BRANCH: B.E. MEDICAL ELECTRONICS**

REJOINING SEMESTER	ADDITIONAL SUBJECTS	EXEMPTED SUBJECTS
I	NIL	NIL
II	1. GE8151 Problem Solving and Python Programming 2. GE8161 Problem Solving and Python Programming Laboratory	1. GE8261 Engineering Practices Laboratory
III	1. GE8151 Problem Solving and Python Programming 2. GE8161 Problem Solving and Python Programming Laboratory 3. BM8251 Engineering Mechanics for Biomedical Engineers	NIL
IV	1. BM8251 Engineering Mechanics for Biomedical Engineers	NIL
V	1. BM8251 Engineering Mechanics for Biomedical Engineers 2. EE8452 Basics of Electrical Engineering 3. MD8411 Medical Instrumentation Laboratory	1. EC8691 Microprocessors and Microcontrollers (VI semester) 2. EC8681 Microprocessors and Microcontrollers Laboratory (VI semester)
VI	1. EC8394 Analog and Digital Communication 2. MD8501 Therapeutic Equipments 3. MD8511 Medical Equipments Laboratory 4. Open Elective I 5. Professional Elective I	1. EC8691 Microprocessors and Microcontrollers 2. EC8681 Microprocessors and Microcontrollers Laboratory 3. BM8651 Biomechanics 4. MD8603 Medical Informatics 5. Professional Elective II 6. HS8581 Professional Communication
VII	1. EC8394 Analog and Digital Communication 2. MD8602 Medical Image Techniques 3. MD8611 Medical Electronics System Design Lab	1. Professional Elective III 2. EC8093 Digital Image Processing 3. EC8762 Digital Image Processing Lab
VIII	1. MD8611 Medical Electronics System Design Lab	NIL

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Note: All Students who have got readmitted after break of study shall choose electives which they have not already studied either as a core or as an elective in their previous semesters.