



STUDY AND EVALUATION SCHEME (2025-2029)

SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS

Program: BTech(Electronics_and_Communication)

Semester: 1st

| S.No. | Course Code | Course Name | Maximum Marks Allotted | | | | | | Credits Allotted | | | Total Credits | |
|---------------|-------------|-----------------------------------|------------------------|---------------|---------------------|---------------|------------------------|---------------|------------------|---|---|---------------|---|
| | | | Theory | | | Practical | | | Total Marks | L | T | | P |
| | | | End Sem. Exam | Mid Sem. Exam | Class Participation | End Sem. Exam | Progressive Evaluation | Internal Viva | | | | | |
| 1 | ECL0101[T] | Basic Electronics | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 2 | ECL0102[T] | Principles of Sensors & IoT | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 3 | HUL0101[T] | Communication Skills & Colloquium | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 3 |
| 4 | MAL0101[T] | Calculus For Engineers | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 5 | MEL0101[T] | Engineering Mechanics | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 6 | ECL0101[P] | Basic Electronics | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 7 | ECL0102[P] | Principles of Sensors & IoT | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 8 | ECP0101[P] | Electronics Workshop Practice | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| 9 | HUL0101[P] | Communication Skills & Colloquium | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 10 | MAL0101[P] | Calculus For Engineers | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 11 | MEL0101[P] | Engineering Mechanics | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| Total Credits | | | | | | | | | | | | 22 | |

*Newly Added Courses

(Dr. Ranjeet Singh
Tomas)

Dr. Sadhana Mishra

Mr. Mayank
Sharma

Dr. Abdul Naim Khan

(Dr. Shyam Akashe)

(Dr. Deyan Singh)

(Dr. Rakesh Pandey)

Bhupendra Dhokar



STUDY AND EVALUATION SCHEME (2025-2029)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:BTech(Electronics_and_Communication)

Semester:2nd

| S.No. | Course Code | Course Name | Maximum Marks Allotted | | | | | | Credits Allotted | | | Total Credits | |
|-------|-------------|---|------------------------|---------------|---------------------|---------------|------------------------|---------------|------------------|----------------------|---|---------------|-----------|
| | | | Theory | | | Practical | | | Total Marks | L | T | | P |
| | | | End Sem. Exam | Mid Sem. Exam | Class Participation | End Sem. Exam | Progressive Evaluation | Internal Viva | | | | | |
| 1 | CSL0201[T] | Essentials of Information Technology | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 0 | 0 | 2 |
| 2 | ECL0261[T] | Fundamentals of Arduino Programming | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 3 | EEL0201[T] | Principles of Electrical Engineering | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 4 | MAL0203[T] | Statistics for Engineers | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 5 | MCL0201[T] | Environmental Pollution & Global Issues/ Swayam | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 1 | 0 | 4 |
| 6 | MCL0202[T] | Making of Modern India | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 0 | 0 | 2 |
| 7 | MEL0202[T] | Engineering Graphics | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 0 | 0 | 2 |
| 8 | AUP0201 [P] | Indian Knowledge System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | CSL0201[P] | Essentials of Information Technology | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 10 | CSP0201[P] | Programming Logics | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| 11 | ECL0261[P] | Fundamentals of Arduino Programming | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 12 | EEL0201[P] | Principles of Electrical Engineering | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 13 | MAL0203[P] | Statistics for Engineers | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 14 | MEL0202[P] | Engineering Graphics | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| | | | | | | | | | | Total Credits | | | 26 |

*Newly Added Courses



STUDY AND EVALUATION SCHEME (2025-2029)
(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:BTech(Electronics_and_Communication)

Semester:3rd

| S.No. | Course Code | Course Name | Maximum Marks Allotted | | | | | | Credits Allotted | | | Total Credits | | |
|-------|-------------|---|------------------------|---------------|---------------------|---------------|------------------------|---------------|------------------|---|----------------------|---------------|---|-----------|
| | | | Theory | | | Practical | | | Total Marks | L | T | | P | |
| | | | End Sem. Exam | Mid Sem. Exam | Class Participation | End Sem. Exam | Prograssive Evaluation | Internal Viva | | | | | | |
| 1 | ECL0303[T] | Semiconductor Devices | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 | |
| 2 | ECL0304[T] | Architecturing of Smart IoT Devices | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 3 | |
| 3 | ECL0306[T] | Digital Circuits/SWAYAM | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 | |
| 4 | ECL0307[T] | Network Analysis & Synthesis | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 | |
| 5 | MAL0306[T] | Engineering Mathematics | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 1 | 0 | 4 | |
| 6 | CSP0303[P] | Computer Programming Lab (PYTHON)/ SWAYAM | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 | |
| 7 | ECD0301[P] | Evaluation of Industrial Training-I | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 | |
| 8 | ECL0303[P] | Semiconductor Devices | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 | |
| 9 | ECL0304[P] | Architecturing of Smart IoT Devices | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 | |
| 10 | ECL0306[P] | Digital Electronics | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 | |
| 11 | ECL0307[P] | Network Analysis & Synthesis | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 | |
| | | | | | | | | | | | Total Credits | | | 24 |

*Newly Added Courses



STUDY AND EVALUATION SCHEME (2025-2029)
(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:BTech(Electronics_and_Communication)

Semester:4th

| S.No. | Course Code | Course Name | Maximum Marks Allotted | | | | | | | Credits Allotted | | | Total Credits |
|-------|-------------|--|------------------------|---------------|---------------------|---------------|------------------------|---------------|-------------|------------------|---|----------------------|---------------|
| | | | Theory | | | Practical | | | Total Marks | L | T | P | |
| | | | End Sem. Exam | Mid Sem. Exam | Class Participation | End Sem. Exam | Prograssive Evaluation | Internal Viva | | | | | |
| 1 | CSL0457[T] | Data Structure and Application | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 2 | ECL0408[T] | Electronics Circuits & Linear ICs Applications | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 3 | ECL0409[T] | Digital System Design | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 4 | ECL0411[T] | Analog Communication | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 5 | ECL0460[T] | Wireless Sensor Networks & IoT | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 6 | AUP0401 [P] | Indian Knowledge System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | CSL0457[P] | Data Structure and Application | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 8 | CSP0405[P] | Computer Programming Lab (JAVA)/ SWAYAM | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| 9 | ECL0408[P] | Electronics Circuits & Linear ICs Applications | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 10 | ECL0409[P] | Digital System Design | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 11 | ECL0411[P] | Analog Communication | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 12 | ECL0460[P] | Wireless Sensor Networks & IoT | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| | | | | | | | | | | | | Total Credits | 22 |

*Newly Added Courses



STUDY AND EVALUATION SCHEME (2025-2029)

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:BTech(Electronics_and_Communication)

Semester:5th

| S.No. | Course Code | Course Name | Maximum Marks Allotted | | | | | | Credits Allotted | | | Total Credits | |
|----------------------|-------------|--|------------------------|---------------|---------------------|---------------|------------------------|---------------|------------------|---|----------------------|---------------|---|
| | | | Theory | | | Practical | | | Total Marks | L | T | | P |
| | | | End Sem. Exam | Mid Sem. Exam | Class Participation | End Sem. Exam | Progressive Evaluation | Internal Viva | | | | | |
| 1 | ECL0512[T] | Electromagnetic Theory | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 1 | 0 | 4 |
| 2 | ECL0513[T] | Digital Communication | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 3 | ECL0514[T] | Control Engineering/SWAYAM | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 1 | 0 | 4 |
| 4 | ECL0515[T] | Advanced Microprocessors and Interfacing | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 5 | ECL0519[T] | Digital Signal Processing | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 6 | ECD0502[P] | Evaluation of Industrial Training-II | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| 7 | ECL0513[P] | Digital Communication | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 8 | ECL0515[P] | Advanced Microprocessors and Interfacing | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 9 | ECL0519 [P] | Digital Signal Processing | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| | ECP0502[P] | Software Lab-I | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| *Newly Added Courses | | | | | | | | | | | Total Credits | 24 | |



STUDY AND EVALUATION SCHEME (2025-2029)
(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:BTech(Electronics_and_Communication)

Semester:6th

| S.No. | Course Code | Course Name | Maximum Marks Allotted | | | | | | Credits Allotted | | | Total Credits | |
|-------|-------------|------------------------------------|------------------------|---------------|---------------------|---------------|------------------------|---------------|------------------|---|----------------------|---------------|---|
| | | | Theory | | | Practical | | | Total Marks | L | T | | P |
| | | | End Sem. Exam | Mid Sem. Exam | Class Participation | End Sem. Exam | Prograssive Evaluation | Internal Viva | | | | | |
| 1 | ECL0617[T] | Antenna & Wave Propagation | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 2 | ECL0618[T] | Micro controller & Embedded System | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 3 | ECL0621[T] | Cellular & Mobile communication | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 1 | 0 | 4 |
| 4 | ECL0662[T] | Machine Learning/SWAYAM | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 5 | AUP0601 [P] | Indian Knowledge System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | ECD0603[P] | Mini Project | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| 7 | ECL0617[P] | Antenna & Wave Propagation | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 8 | ECL0618[P] | Micro controller & Embedded System | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 9 | ECL0662[P] | Machine Learning | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 10 | ECP0603[P] | Software Lab-II | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| 11 | | Elective1. | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 3 |
| | | | | | | | | | | | Total Credits | 23 | |

Newly Added Courses



STUDY AND EVALUATION SCHEME (2025-2029)
 (SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:BTech(Electronics_and_Communication)

Semester:7th

| S.No. | Course Code | Course Name | Maximum Marks Allotted | | | | | | | Credits Allotted | | | Total Credits |
|-------|-------------|---------------------------------------|------------------------|---------------|---------------------|---------------|------------------------|---------------|-------------|------------------|---|----------------------|---------------|
| | | | Theory | | | Practical | | | Total Marks | L | T | P | |
| | | | End Sem. Exam | Mid Sem. Exam | Class Participation | End Sem. Exam | Progressive Evaluation | Internal Viva | | | | | |
| 1 | ECL0723[T] | Microwave Engineering | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 2 | ECL0733[T] | VLSI Technology | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 1 | 0 | 4 |
| 3 | ECD0704[P] | Major Project-I | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| 4 | ECL0723[P] | Microwave Engineering | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 5 | ECP0704[P] | Evaluation of Industrial Training-III | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 2 | 2 |
| 6 | | Elective4. | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 3 |
| 7 | | Elective3. | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 3 |
| 8 | | Elective2. | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 3 |
| | | | | | | | | | | | | Total Credits | 21 |

*Newly Added Courses



STUDY AND EVALUATION SCHEME (2025-2029)
 (SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

Programme:Tech(Electronics_and_Communication)

Semester:8th

| S.No. | Course Code | Course Name | Maximum Marks Allotted | | | | | | Credits Allotted | | | Total Credits | |
|----------------------|--------------|-----------------------------|------------------------|---------------|---------------------|---------------|------------------------|---------------|------------------|---|---|---------------|---|
| | | | Theory | | | Practical | | | Total Marks | L | T | | P |
| | | | End Sem. Exam | Mid Sem. Exam | Class Participation | End Sem. Exam | Progressive Evaluation | Internal Viva | | | | | |
| 1 | EC1UR25(T) | Optical Fiber Communication | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 2 | EC1UR26(T) | VLSI Design | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 2 | 1 | 0 | 3 |
| 3 | AIIP/661 (P) | Indian Knowledge System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | EC1UR45(P) | Major Project-II | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 8 | 8 |
| 5 | EC1UR25(P) | Optical Fiber Communication | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 6 | EC1UR26(P) | VLSI Design | 0 | 0 | 0 | 60 | 20 | 20 | 100 | 0 | 0 | 1 | 1 |
| 7 | | Elective6 | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 3 |
| 8 | | Elective5 | 60 | 20 | 20 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 3 |
| Total Credits | | | | | | | | | | | | 22 | |

*Newly Added Courses

Handwritten signatures:
 Dorian, Jain, [Signature], [Signature], [Signature], [Signature]