

## Department of Electronics & Communication Engineering

### Programs/Courses Revision: Curricular Structure of proposed B.Tech. ECE in lines with NEP

Integral University

Study & Evaluation Scheme

B. Tech. Electronics & Communication Engineering

w.e.f. 2024-25 (for admitted batch 2024-25 onwards)

#### Year I, Semester I

| S. No. | Course Category | Subject Code | Name of Subject                                        | Periods |   |   |    | Evaluation Scheme |    |     |    |       |                      |    | Subject Total | Attributes    |                  |                   |                 |                              |             |                     |              | United Nations Sustainable Development |      |
|--------|-----------------|--------------|--------------------------------------------------------|---------|---|---|----|-------------------|----|-----|----|-------|----------------------|----|---------------|---------------|------------------|-------------------|-----------------|------------------------------|-------------|---------------------|--------------|----------------------------------------|------|
|        |                 |              |                                                        |         |   |   |    | Sessional (CA)    |    |     |    |       | End Sem. Exam. (ESE) |    |               | Employability | Entrepreneurship | Skill Development | Gender Equality | Environment & Sustainability | Human Value | Professional Ethics | Goals (SDGs) |                                        |      |
|        |                 |              |                                                        | L       | T | P | C  | CT                |    | TA  |    | Total | TE                   | PE |               |               |                  |                   |                 |                              |             |                     |              | Total                                  |      |
|        |                 |              |                                                        |         |   |   |    | Th                | P  | Th  | P  |       |                      |    |               |               |                  |                   |                 |                              |             |                     |              |                                        |      |
| 1      | PCC             | EC101        | Basic Electronics                                      | 3       | 0 | 0 | 3  | 50                |    | 25  |    | 75    | 75                   |    | 75            | 150           | √                | √                 | √               |                              |             |                     |              |                                        | 4, 9 |
| 2      | BSC             | CH101        | Chemistry                                              | 3       | 0 | 2 | 4  | 50                | 15 | 25  | 10 | 100   | 75                   | 25 | 100           | 200           | √                | √                 | √               |                              |             |                     |              |                                        | 4    |
| 3      | BSC             | MT101        | Mathematics-I                                          | 3       | 1 | 0 | 4  | 50                |    | 25  |    | 75    | 75                   |    | 75            | 150           | √                |                   | √               |                              |             |                     |              |                                        | 4    |
| 4      | PCC             | EC105        | Introduction to Artificial Intelligence & Applications | 2       | 1 | 0 | 3  | 50                |    | 25  |    | 75    | 75                   |    | 75            | 150           | √                | √                 | √               |                              | √           |                     |              |                                        | 4, 9 |
| 5      | ESC             | EE103        | Basic Electrical Engineering                           | 3       | 0 | 2 | 4  | 50                | 15 | 25  | 10 | 100   | 75                   | 25 | 100           | 200           | √                | √                 | √               |                              | √           |                     |              |                                        | 4, 9 |
| 6      | ESC             | ME101        | Basic Mechanical Engineering & Workshop                | 3       | 0 | 2 | 4  | 50                | 15 | 25  | 10 | 100   | 75                   | 25 | 100           | 200           | √                |                   | √               |                              |             |                     |              |                                        | 4, 9 |
| 7      | MC              | HM101        | Rashtra Gaurav                                         | 2       | 0 | 0 | 0  | -                 | -  | -   | -  |       | 100                  |    |               | 100           |                  |                   |                 | √                            |             |                     | √            |                                        | 5    |
| Total  |                 |              |                                                        | 19      | 2 | 6 | 22 | 345               |    | 180 |    | 525   | 550                  | 75 | 625           | 1150          |                  |                   |                 |                              |             |                     |              |                                        |      |

L – Lecture, T – Tutorial, P – Practical, C – Credits, CT – Class Test, TA - Teacher Assessment, Th- Theory, OE - Open Elective

Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA),

Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)

BSC - Basic Science Courses, ESC - Engineering Science Courses, HSSM - Humanities, Social Sciences & Management courses, PEC - Professional Elective courses

PCC - Professional core courses, DE - Departmental Elective, ESA - Engineering Sciences & Arts (Foundation Course & Engineering Course), MC- Mandatory Course