

## Diploma in Civil Engineering

| Semester I |             |                                         |
|------------|-------------|-----------------------------------------|
| S No       | Course Code | Course Title                            |
| 1          | 26ECSD1AEC1 | English and Communication Skills– I     |
| 2          | 26ECSD1AEC2 | English and Communication Skills– I Lab |
| 3          | 26DPAL11C01 | Applied Mathematics- I                  |
| 4          | 26DPAL11C02 | Applied Physics–I                       |
| 5          | 26DPAL11C03 | Applied Physics I Lab                   |
| 6          | 26DPAL11C07 | Applied Chemistry                       |
| 7          | 26DPAL11C08 | Applied Chemistry Lab                   |
| 8          | 26DPAL11C09 | Basics of Information Technology        |
| 9          | 26DPAL11C04 | Engineering Drawing–I                   |
| 10         | 26DPAL11C05 | General Workshop Practice–I             |
| 11         | 26DPAL11C06 | Entrepreneurship Mindset-I              |

\* Entrepreneurship Mindset-I shall be delivered through blended and self-paced learning approaches, supported by experiential learning, mentoring, startup-oriented activities, and innovation practices.

| SEMESTER II |             |                                                                               |
|-------------|-------------|-------------------------------------------------------------------------------|
| S No        | Course Code | Course Title                                                                  |
| 1           | 26ECSD2AEC3 | English and Communication Skills-II                                           |
| 2           | 26ECSD2AEC4 | English and Communication Skills-II Lab                                       |
| 3           | 26DPAL12C01 | Applied Mathematics–II                                                        |
| 4           | 26DPAL12C02 | Applied Physics-II                                                            |
| 5           | 26DPAL12C03 | Applied Physics-II Lab                                                        |
| 6           | 26DOAS0VAC1 | Environmental Studies                                                         |
| 7           | 26DPCE12C01 | Applied Mechanics                                                             |
| 8           | 26DPCE12C02 | Applied Mechanics Lab                                                         |
| 9           | 26DPCE12C03 | Construction Material                                                         |
| 10          | 26DPCE12C04 | Construction Material Lab                                                     |
| 11          | 26DPCE12C05 | Introduction to CAD                                                           |
| 12          | 26DPAL12C04 | Entrepreneurship Mindset-II                                                   |
| 13          | 26DPAL12C05 | Student Centred Activities including Traffic Awareness & Road Safety Camp(1I) |

**\* Entrepreneurship Mindset-II shall be delivered through blended and self-paced learning approaches, supported by experiential learning, mentoring, startup-oriented activities, and innovation practices.**

| Semester III |             |                                                                                                            |
|--------------|-------------|------------------------------------------------------------------------------------------------------------|
| S No         | Course Code | Course Title                                                                                               |
| 1            | 26DPCE23C01 | Fluid Mechanics                                                                                            |
| 2            | 26DPCE23C02 | Fluid Mechanics Lab                                                                                        |
| 3            | 26DPCE23C03 | Surveying                                                                                                  |
| 4            | 26DPCE23C04 | Surveying Lab                                                                                              |
| 5            | 26DPCE23C05 | Structural Mechanics                                                                                       |
| 6            | 26DPCE23C06 | Structural Mechanics Lab                                                                                   |
| 7            | 26DPCE23C07 | Building Construction                                                                                      |
| 8            | 26DPCE23C08 | Building Construction Lab                                                                                  |
| 9            | 26DPCE23C09 | Building Drawing                                                                                           |
| 10           |             | Open Elective (Offline/MOOCs)                                                                              |
| 11           | 26DPAL23C01 | Student Centered Activities including Energy Conservation Awareness Camp Drug Use and Abuse Awareness Camp |

| Basket I      |             |                                       |
|---------------|-------------|---------------------------------------|
| Open Elective |             |                                       |
| S No          | Course Code | Course Title                          |
| 1.            | 26DPAL23E01 | Foreign Language                      |
| 2.            | 26DPAL23E02 | NCC                                   |
| 3.            | 26DPAL23E03 | Yoga                                  |
| 4.            | 26DPAL23E04 | First Aid                             |
| 5.            | 26DPAL23E05 | Creative Writing                      |
| 6.            | 26DPAL23E06 | Sketching, Drawing and Colour Studies |
| 7.            | 26DPAL23E07 | Gardening                             |
| 8.            | 26DPAL23E08 | Photography                           |
| 9.            | 26DPAL23E09 | Legal Studies                         |
| 10.           | 26DPAL23E10 | Event Management                      |
| 11.           | 26DPAL23E11 | Diet and Nutrition                    |

**Open elective can be offered online or offline.**

| Semester IV |             |                                                                      |
|-------------|-------------|----------------------------------------------------------------------|
| S No        | Course Code | Course Title                                                         |
| 1           | 26DPAL24C01 | Generic Skills and Entrepreneurship Development                      |
| 2           | 26DPCE24C01 | Concrete Technology                                                  |
| 3           | 26DPCE24C02 | Concrete Technology Lab                                              |
| 4           | 26DPCE24C03 | Water Supply and Waste Water Engineering                             |
| 5           | 26DPCE24C04 | Water Supply and Waste Water Engineering Lab                         |
| 6           | 26DPCE24C05 | Water Resources Engineering                                          |
| 7           | 26DPCE24C06 | Modern Surveying                                                     |
| 8           | 26DPCE24C07 | Modern Surveying Lab                                                 |
| 9           | 26DPCE24C08 | Public Health & Water Resources Engineering Drawing                  |
| 10          | 26DPCE24C09 | Minor Project Work                                                   |
| 11          | 26DPAL24C02 | Student Centered Activities including Entrepreneurial Awareness Camp |

**Note: All students have to undergo Survey Camp for a week in 4<sup>th</sup> semester & it will be evaluated in 5<sup>th</sup> semester. All students have to undergo Industrial training of 6 weeks after 4<sup>th</sup> semester & it will be evaluated in 5<sup>th</sup> semester**

| Semester V |             |                                                                              |
|------------|-------------|------------------------------------------------------------------------------|
| S No       | Course Code | Course Title                                                                 |
| 1          | 26DPCE35C01 | Reinforced Concrete Design                                                   |
| 2          | 26DPCE35C02 | Highway, Railway & Bridge Engineering                                        |
| 3          | 26DPCE35C03 | Highway, Railway & Bridge Engineering Lab                                    |
| 4          | 26DPCE35C04 | R.C.C. & Steel Structure Drawings                                            |
| 5          | 26DPCE35C05 | Survey Camp                                                                  |
| 6          | 26DPCE35C06 | Steel Structures Design                                                      |
| 7          | 26DPCE35C07 | Soil and Foundation Engineering                                              |
| 8          | 26DPCE35C08 | Soil and Foundation Engineering Lab                                          |
| 9          | 26DPCE35C09 | Discipline Elective I                                                        |
| 10         | 26DPCE35C10 | Industrial Training                                                          |
| 11         | 26DPAL35C01 | Student Centered Activities including Personality Development Awareness Camp |

| Basket – II                          |             |                                            |
|--------------------------------------|-------------|--------------------------------------------|
| Departmental / Discipline Elective I |             |                                            |
| S No                                 | Course Code | Course Title                               |
| 1.                                   | 26DPCE35E01 | Repair and Maintenance of Buildings        |
| 2.                                   | 26DPCE35E02 | Basics of Green Buildings                  |
| 3.                                   | 26DPCE35E03 | Prestressed Concrete                       |
| 4.                                   | 26DPCE35E04 | Quantity Surveying and Valuation           |
| 5.                                   | 26DPCE35E05 | Earthquake Resistant Building Construction |
| 6.                                   | 26DPCE35E06 | Construction Management & Accounts.        |

| SEMESTER VI |             |                        |
|-------------|-------------|------------------------|
| S No        | Course Code | Course Title           |
| 1           | 26DPAL36C01 | Internship in Industry |