**Class: B.E. SEM VIII Subject: Design of Mechanical Systems**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Code | Course Outcome | | | |

**Class: B.E. SEM VIII Subject: Design of Mechanical Systems**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Code | Course Outcome | | | |

**Class: B.E. SEM VIII Subject: Design of Mechanical Systems**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Code | Course Outcome | | | |

**Class: B.E. SEM VIII Subject: Design of Mechanical Systems**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Code | Course Outcome | | | |

**Class: B.E. SEM VII Subject: Design of Mechanical Systems**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Code | Course Outcome | | | |
| MEC 701.1 | The learner will be able to Identify the different parts of the hoisting mechanism, belt conveyors, gear boxes, diesel & petrol engine and pumps. | | | |
| MEC 701.2 | The learner will be able to Explain the operating principles of Hoisting mechanism, belt conveyors, gear boxes, diesel & petrol engine and pumps. | | | |
| MEC 701.3 | The learner will be able to Use the basic components to form a suitable power transmission system to satisfy given requirements. | | | |
| MEC 701.4 | The learner will be able to Finalize the dimensions of the system components. | | | |
| MEC 701.5 | The learner will be able to Select appropriate prime movers for the system. | | | |
| MEC 701.6 | The learner will be able to Design the hoisting mechanism, belt conveyors, gear boxes, diesel & petrol engine and pumps with a specific application. | | | |

**Class: B.E. SEM VII Subject: Design of Mechanical Systems**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course Code | Course Outcome | | | |
| MEC 701.1 | The learner will be able to Identify the different parts of the hoisting mechanism, belt conveyors, gear boxes, diesel & petrol engine and pumps. | | | |
| MEC 701.2 | The learner will be able to Explain the operating principles of Hoisting mechanism, belt conveyors, gear boxes, diesel & petrol engine and pumps. | | | |
| MEC 701.3 | The learner will be able to Use the basic components to form a suitable power transmission system to satisfy given requirements. | | | |
| MEC 701.4 | The learner will be able to Finalize the dimensions of the system components. | | | |
| MEC 701.5 | The learner will be able to Select appropriate prime movers for the system. | | | |
| MEC 701.6 | The learner will be able to Design the hoisting mechanism, belt conveyors, gear boxes, diesel & petrol engine and pumps with a specific application. | | | |

3.1.2 CO-PO and CO-PSO matrices

# 18 Teaching Plan DMS 2018-19.docx (2018-19)

Course Code and Name: MEC 801 - Design of Mechanical Systems

Class and Semester: B.E. SEM VIII

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| MEC701.1 | 3 | 3 | 3 | 2 | 3 |  |  |  | 2 | 1 |  | 2 | 3 | 2 | 3 |
| MEC701.2 | 3 | 2 | 2 | 2 | 3 |  |  |  | 2 | 1 |  | 2 | 3 | 2 | 3 |
| MEC701.3 | 2 | 2 | 2 | 2 | 3 |  |  |  | 2 | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.4 | 2 | 2 | 2 | 2 | 2 |  |  |  | 2 | 1 |  | 2 | 3 | 1 | 2 |
| MEC701.5 | 2 | 2 | 2 | 2 | 1 |  |  |  | 2 | 1 |  | 2 | 2 | 1 | 2 |
| MEC701.6 | 2 | 2 | 2 | 2 | 1 |  |  |  | 2 | 1 |  | 2 | 2 | 1 | 2 |

# 18 Teaching Plan DMS 2019-20.docx (2019-20)

Course Code and Name: MEC 801 - Design of Mechanical Systems

Class and Semester: B.E. SEM VIII

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| MEC701.1 | 3 | 3 | 3 | 2 | 3 | 2 |  |  | 2 | 1 |  | 2 | 3 |  |  |
| MEC701.2 | 3 | 2 | 2 | 2 | 2 | 1 |  |  | 2 | 1 |  | 2 | 3 |  |  |
| MEC701.3 | 2 | 2 | 2 | 2 | 2 | 1 |  |  | 2 | 1 |  | 2 | 3 |  |  |
| MEC701.4 | 2 | 2 | 2 | 2 | 2 | 1 |  |  | 2 | 1 |  | 2 | 3 |  |  |
| MEC701.5 | 2 | 2 | 2 | 2 | 1 | 1 |  |  | 2 | 1 |  | 2 | 2 |  |  |
| MEC701.6 | 2 | 2 | 2 | 2 | 1 | 1 |  |  | 2 | 1 |  | 2 | 2 |  |  |

# 18 Teaching Plan DMS 2020-21.docx (2020-21)

Course Code and Name: MEC 801 - Design of Mechanical Systems

Class and Semester: B.E. SEM VIII

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| MEC701.1 | 3 | 3 | 3 | 2 | 2 | 2 |  |  |  | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.2 | 3 | 2 | 2 | 2 | 2 | 1 |  |  |  | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.3 | 2 | 2 | 2 | 2 | 2 | 1 |  |  |  | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.4 | 2 | 2 | 2 | 2 | 2 | 1 |  |  |  | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.5 | 2 | 2 | 2 | 2 | 1 | 1 |  |  |  | 1 |  | 2 | 2 | 2 | 2 |
| MEC701.6 | 2 | 2 | 2 | 2 | 1 | 1 |  |  |  | 1 |  | 2 | 2 | 2 | 2 |

# 18 Teaching Plan DMS 2021-22.docx (2021-22)

Course Code and Name: MEC 801 - Design of Mechanical Systems

Class and Semester: B.E. SEM VIII

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| MEC701.1 | 3 | 3 | 3 |  |  |  |  |  | 2 | 1 |  | 2 | 3 | 2 |  |
| MEC701.2 | 3 | 2 | 2 |  |  |  |  |  | 2 | 1 |  | 2 | 3 | 2 |  |
| MEC701.3 | 2 | 2 | 2 |  |  |  |  |  | 2 | 1 |  | 2 | 3 | 2 |  |
| MEC701.4 | 2 | 2 | 2 |  |  |  |  |  | 2 | 1 |  | 2 | 3 | 2 |  |
| MEC701.5 | 2 | 2 | 2 |  |  |  |  |  | 2 | 1 |  | 2 | 2 | 2 |  |
| MEC701.6 | 2 | 2 | 2 |  |  |  |  |  | 2 | 1 |  | 2 | 2 | 2 |  |

# 18 Teaching Plan DMS 2023-24.docx (2023-24)

Course Code and Name: MEC 701 - Design of Mechanical Systems

Class and Semester: B.E. SEM VII

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| MEC701.1 | 3 | 3 | 3 | 2 | 3 | 2 |  |  | 2 | 1 |  | 2 | 3 | 2 | 3 |
| MEC701.2 | 3 | 2 | 2 | 2 | 3 | 1 |  |  | 2 | 1 |  | 2 | 3 | 2 | 3 |
| MEC701.3 | 2 | 2 | 2 | 2 | 3 | 1 |  |  | 2 | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.4 | 2 | 2 | 2 | 2 | 2 | 1 |  |  | 2 | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.5 | 2 | 2 | 2 | 2 | 1 | 1 |  |  | 2 | 1 |  | 2 | 2 | 2 | 2 |
| MEC701.6 | 2 | 2 | 2 | 2 | 1 | 1 |  |  | 2 | 1 |  | 2 | 2 | 2 | 2 |

# 18 Teaching Plan DMS 2024-25.docx (2024-25)

Course Code and Name: MEC 701 - Design of Mechanical Systems

Class and Semester: B.E. SEM VII

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| MEC701.1 | 3 | 3 | 3 | 2 | 3 | 2 |  |  | 2 | 1 |  | 2 | 3 | 2 | 3 |
| MEC701.2 | 3 | 2 | 2 | 2 | 3 | 1 |  |  | 2 | 1 |  | 2 | 3 | 2 | 3 |
| MEC701.3 | 2 | 2 | 2 | 2 | 3 | 1 |  |  | 2 | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.4 | 2 | 2 | 2 | 2 | 2 | 1 |  |  | 2 | 1 |  | 2 | 3 | 2 | 2 |
| MEC701.5 | 2 | 2 | 2 | 2 | 1 | 1 |  |  | 2 | 1 |  | 2 | 2 | 2 | 2 |
| MEC701.6 | 2 | 2 | 2 | 2 | 1 | 1 |  |  | 2 | 1 |  | 2 | 2 | 2 | 2 |

3.1.3 Program level Course-PO matrix of all courses INCLUDING first-year courses (10)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sr No | Course Code | Subject | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
| 1 | MEC 801 | Design of Mechanical Systems | 2.33 | 2.17 | 2.17 |  |  |  |  |  | 2.00 | 1.00 |  | 2.00 | 2.67 | 2.00 |  |
| 2 | MEC 801 | Design of Mechanical Systems | 2.33 | 2.17 | 2.17 | 2.00 | 1.84 | 1.17 |  |  | 2.00 | 1.00 |  | 2.00 | 2.67 |  |  |
| 3 | MEC 801 | Design of Mechanical Systems | 2.33 | 2.17 | 2.17 | 2.00 | 2.17 |  |  |  | 2.00 | 1.00 |  | 2.00 | 2.67 | 1.50 | 2.33 |
| 4 | MEC 801 | Design of Mechanical Systems | 2.33 | 2.17 | 2.17 | 2.00 | 1.67 | 1.17 |  |  |  | 1.00 |  | 2.00 | 2.67 | 2.00 | 2.00 |
| 5 | MEC 701 | Design of Mechanical Systems | 2.33 | 2.17 | 2.17 | 2.00 | 2.17 | 1.17 |  |  | 2.00 | 1.00 |  | 2.00 | 2.67 | 2.00 | 2.33 |
| 6 | MEC 701 | Design of Mechanical Systems | 2.33 | 2.17 | 2.17 | 2.00 | 2.17 | 1.17 |  |  | 2.00 | 1.00 |  | 2.00 | 2.67 | 2.00 | 2.33 |