**Syllabus to be implemented from the Academic Year 2014-15**

**First Year First Semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A. THEORY** | | | | | | | | |  |
| Sl. No. | Course Code | Theory | Contact Hours/Week | | | | Credit  Points | |
| L | T | P | Total |
| 1 | HU101 | English Language  & Technical  Communication-I | 2 | 0 | 0 | 2 | 2 | |
| 2 | PH101 | Physics-I | 3 | 1 | 0 | 4 | 3 | |
| 3 | M101 | Mathematics-I | 3 | 1 | 0 | 4 | 3 | |
| 4 | ES101 | Basic Electrical &  Electronic Engineering-I | 3 | 0 | 0 | 3 | 4 | |
| 5 | ME101 | Engineering Mechanics | 3 | 0 | 0 | 3 | 3 | |
| 6 | CS101 | Basic Computation &  Principles of Computer  Programming-I | 3 | 0 | 0 | 3 | 3 | |
| Total of Theory | | |  |  |  | 19 | 18 | |
| **B. PRACTICAL** | | | | | | | | |
| 7 | PH191 | Physics-I Lab | 0 | 0 | 3 | 3 | 2 | |
| 8 | ES191 | Basic Electrical &  Electronic Engineering-I Lab | 0 | 0 | 3 | 3 | 2 | |
| 9 | ME191 | Engineering Drawing &  Computer Graphics Lab | 1 | 0 | 3 | 4 | 3 | |
| 10 | CS191 | Basic Computation &  Principles of Computer  Programming-I Lab | 0 | 0 | 3 | 3 | 2 | |
| Total of Practical | | |  |  |  | 13 | 9 | |
| **C. SESSIONAL** | | | | | | | | |
| 11 | HU181 | Language Laboratory-I | 0 | 0 | 2 | 2 | | 2 |  |
| 12 | XC181 | Extra Curricular  Activities(NSS/NCC/NSO  etc) | 0 | 0 | 2 | 2 | | 1 |  |
| Total of Sessional | | | | | | 4 | | 3 |  |
| Total of Semester | | | | | | 36 | | 30 |  |

**First Year Second Semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A. THEORY** | | | | | | | | |  |
| Sl. No. | Course Code | Theory | Contact Hours/Week | | | | Credit  Points | |
| L | T | P | Total |
| 1 | CS201 | Principles of Computer  Programming-(C++) | 3 | 1 | 0 | 4 | 4 | |
| 2 | PH201 | Physics-II | 3 | 1 | 0 | 4 | 3 | |
| 3 | M201 | Mathematics-II | 3 | 1 | 0 | 4 | 3 | |
| 4 | ES201 | Basic Electrical &  Electronic Engineering-II | 3 | 1 | 0 | 4 | 4 | |
| 5 | ME201 | Engineering  Thermodynamics & Fluid  Mechanics | 3 | 1 | 0 | 4 | 3 | |
| 6 | HU201 | English Language  & Technical Communication-II | 2 | 0 | 0 | 2 | 2 | |
| Total of Theory | | |  |  |  | 22 | 19 | |
| **B. PRACTICAL** | | | | | | | | |
| 7 | CS291 | Principles of Computer  Programming-II Lab | 0 | 0 | 3 | 3 | 2 | |
| 8 | PH291 | Physics-II Lab | 0 | 0 | 3 | 3 | 2 | |
| 9 | ES291 | Basic Electrical &  Electronic Engineering-II Lab | 0 | 0 | 3 | 3 | 2 | |
| 10 | ME291 | Workshop Practice Lab | 1 | 0 | 3 | 4 | 3 | |
| Total of Practical | | |  |  |  | 13 | 9 | |
| **C. SESSIONAL** | | | | | | | | |
| 11 | HU281 | Language Laboratory-II | 0 | 0 | 2 | 2 | | 2 |  |
| Total of Sessional | | | | | | 2 | | 2 |  |
| Total of Semester | | | | | | 37 | | 30 |  |