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## Modified Teaching Scheme for B.E. Aeronautical Engineering

## **Credit Structure for Undergraduate programs**

|           |   | CREDITS |        |         |        |       |        |         |          |       | AICTE         |
|-----------|---|---------|--------|---------|--------|-------|--------|---------|----------|-------|---------------|
| Sr.<br>No | Course Category   | SEM I   | SEM II | SEM III | SEM IV | SEM V | SEM VI | SEM VII | SEM VIII | TOTAL |               |
| 1         | Humanities, Social Sciences & Management courses  | 3       |        |         | 2      | 3*    | 3      |         |          | 11*   | 12            |
| 2         | Basic Science courses   | 9.5     | 9.5    | 3       |        |       |        |         |          | 22    | 25            |
| 3         | Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc                               | 7       | 13     | 10      | 4      |       |        |         |          | 34    | 24            |
| 4         | Professional core courses   |         |        | 9       | 16     | 13    | 9      |         | 3        | 50    | 48            |
| 5         | Professional Elective courses relevant to chosen specialization/branch  |         |        |         |        | 3     | 3      | 7       | 3        | 16    | 18            |
| 6         | Open Electives: Courses from other technical and /or emerging subjects  |         |        |         |        | 3*    | 3      | 6       | 3        | 15*   | 18            |
| 7         | Project work, seminar and internship in industry or elsewhere, Industry Training and Skill Development                              |         |        |         | 2      |       | 3      | 4       | 6        | 15    | 15            |
| 8         | Mandatory Courses [Environmental<br>Sciences, Induction training, Indian<br>Constitution, Essence of Indian<br>Knowledge Tradition] |         |        |         |        |       |        |         |          | 0     | Non<br>Credit |
|           | TOTAL   | 19.5    | 22.5   | 22      | 24     | 19*   | 21     | 17      | 15       | 160   | 160           |
|           | TOTAL MARKS   | 500     | 600    | 750     | 750    | 650   | 700    | 650     | 500      | 5100  |               |