

Scheme of
UNDERGRADUATE DEGREE COURSE

Automobile Engineering



Rajasthan Technical University, Kota
Effective from session: 2018 – 2019



**Teaching & Examination Scheme
B.Tech. : Automobile Engineering
2nd Year - III Semester**

| THEORY | | | | | | | | | | | |
|------------------------------|------------|---------------------|--|------------------|---|----|---------|-----|-----|-------|------|
| SN | Category | Course | | Contact hrs/week | | | Marks | | | | Cr |
| | | Code | Title | L | T | P | Exm Hrs | IA | ETE | Total | |
| | | | | | | | | | | | |
| 1 | BSC | 3AE2-01 | Advance Engineering Mathematics-I | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 2 | HSMC | 3AE1-02/ 3AE1-03 | Technical Communication/ Managerial Economics and Financial Accounting | 2 | 0 | 0 | 2 | 20 | 80 | 100 | 2 |
| 3 | ESC | 3AE3-04 | Engineering Mechanics | 2 | 0 | 0 | 2 | 20 | 80 | 100 | 2 |
| 4 | PCC | 3AE4-05 | Engineering Thermodynamics | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 5 | | 3AE4-06 | Materials Science and Engineering | 3 | 0 | 0 | 3 | 30 | 120 | 150 | 3 |
| 6 | | 3AE4-07 | Mechanics of Solids | 3 | 1 | 0 | 3 | 40 | 160 | 200 | 4 |
| Sub Total | | | | 16 | 1 | 0 | | 170 | 680 | 850 | 17 |
| PRACTICAL & SESSIONAL | | | | | | | | | | | |
| 7 | PCC | 3AE4-21 | Machine drawing practice | 0 | 0 | 3 | | 45 | 30 | 75 | 1.5 |
| 8 | | 3AE4-22 | Materials Testing Lab | 0 | 0 | 3 | | 45 | 30 | 75 | 1.5 |
| 9 | | 3AE4-23 | Basic Mechanical Engineering Lab | 0 | 0 | 3 | | 45 | 30 | 75 | 1.5 |
| 10 | | 3AE4-24 | Programming using MATLAB | 0 | 0 | 3 | | 45 | 30 | 75 | 1.5 |
| 11 | PSIT | 3AE7-30 | Industrial Training | 0 | 0 | 1 | | | | 50 | 1 |
| 12 | SODE CA | 3AE8-00 | Social Outreach, Discipline & Extra Curricular Activities | | | | | | | 25 | 0.5 |
| Sub- Total | | | | 0 | 0 | 13 | | 180 | 120 | 375 | 7.5 |
| TOTAL OF III SEMESTER | | | | 16 | 1 | 13 | | 350 | 800 | 1225 | 24.5 |

L: Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

ETE: End Term Exam, **IA:** Internal Assessment

Office of Dean Academic Affairs
Rajasthan Technical University, Kota