COMPUTATIONAL FLUID DYNAMICS LAB

| Course Code A5AE32 | Category PCC | Н | Hours / Week | | | Max | Maximum Marks | | |
|---|--|-------------------------|--------------------|---------|-------------|----------|---------------|--------|--|
| | | L | LT | Р | С | CIA | SEE | Tota | |
| | | - | - | 3 | 1.5 | 30 | 70 | 100 | |
| profiles using cor 2. To develop a Ma | course are expected: alyze the internal and nmercial software pack atlab code to analyze a, Heat transfer, Aero | kages. the beha | avior of | the gov | erning equa | ations o | f Aerod | ynamio | |
| | LIST O | FEXPE | | TS | | | | | |
| Flow over an airfoil 2D analysis of road 2D analysis of high Supersonic flow ov Supersonic flow ov Solution for one dir Solution for one development) Generation of the a Generation of the e | d vehicles rise building er a wedge rer missiles mensional wave equat dimensional transien algebraic grids (code d | t heat c evelopme | onductic ent) | | | | | od (co | |
| Reference Books: | | | | | | | | | |
| 1. ANSYS FLUENT 1 | Tutorial Guide 18.0 | | | | | | | | |
| 2.Stormy Attaway, 'M | IATLAB-A Practical Ap | proach' | | | | | | | |
| OURSE OUTCOMES | 5: | | | | | | | | |
| t the end of the course | the students are able | to: | | | | | | | |
| 2 analyze internal a | odeling of geometries and external flow using or solution for the one | y various (dimensio | geometr nal wav | ies | | | | lax | |