**ADA Theory Course Outcomes**

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| **S.NO** | **Course Outcomes** |
| **ETCS301.1** | **Analyze** best- & worst-case running time of algorithms using asymptotic analysis (**Analyzing**)**.** |
| **ETCS301.2** | **Apply** and compare various design strategies like Incremental, Divide and conquer, Dynamic Programming concept efficiently to solve real world problems (**Understanding and Applying ).** |
| **ETCS301.3** | **Apply** greedy strategy and graphs to model engineering problems for computation and analysis **(Applying and Analyzing)**. |
| **ETCS301.4** | **Understand** basic string-matching algorithms, **analyze** tractable/intractable problems and their complexity classes P, NP and NPC (**Understanding and analyzing)**. |

**ADA LAB Course Outcomes**

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| **S.NO** | **Course Outcomes** |
| ETCS351.1 | **Analyze** the time and space complexity of incremental algorithms. |
| ETCS351.2 | **Analyze** and use the asymptotic behavior of Divide and Conquer approach in designing algorithms |
| ETCS351.3 | **Apply** concept of Dynamic Programming and Greedy approach to develop various algorithms. |
| ETCS351.4 | **Apply** different designing strategies to solve Graph Problems. |
| ETCS351.5 | **Understand** and **develop** various String-Matching Algorithms |