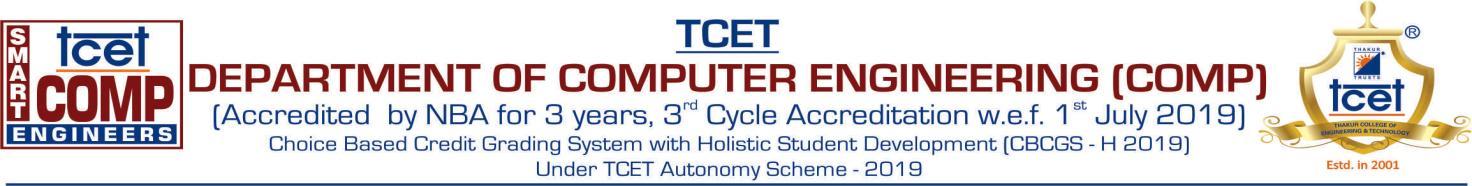
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**B.E. Semester –VII Subject: Software Architecture**

**Experiment List**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Practical Number** | **Type of Experiment** | **Practical/ Experiment Topic** | **Hrs.** | **Cognitive levels as per blooms Taxonomy** |
| 1 | **Basic Experiments** | Modeling using xADL | 4 | L1, L2 |
| 2 | Visualization using xADL 2.0 | 2 | L1, L2 |
| 3 | Creating Web Service | 2 | L1, L2, L3 |
| 4 | **Design Experiments** | Integrate software components using a  middleware | 2 | L1, L2, L3 |
| 5 | Use middleware to implement connectors | 2 | L1, L2, L3 |
| 6 | Wrapper to connect two applications with different architectures | 2 | L1, L2, L3, L4 |
| 7 | Identifying Design requirements for an  Architecture for any specific domain | 4 | L1, L2, L3 |
| 8 | Identifying System requirements for an  Architecture for any specific domain | 2 | L1, L2, L3 |
| 9 | Mapping of non-functional components with  system requirements | 2 | L1, L2, L3, L4 |
| 10 | Implementation of Software Architecture for  identified system/application | 4 | L1, L2, L3 |
| 11 | **Case Studies** | * Architecture evaluation, analysis, and design * Architecture Tradeoff Analysis Method (ATAM) * Quality Attribute Workshops (QAW) * Architecture reconstruction | 4 | L1, L2, L3, L4 |
| **Total Hours** | | | **30** |  |