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| **LESSON PLAN** | |  |
| **Discipline : Computer Engineering** | |  |
| **Semester: 3rd** | |  |
| **Subject : Data Structure Practical** | |  |
| Lesson Plan Duration : 15 weeks (from Sept 2022 to Dec 2022) | |  |
| Work Load (Practical) per week (in hours): **Practical 04 hours** | |  |
| **Week** | **Practical** | **Remark if any** |
| 1st | To identify the role of the software in today’s world across a few significant domains related to day to day life. |  |
| 2nd | To identify any scenario and identify suitable software development model for the given scenario. |  |
| 3rd | To classify the requirement into functional and non-functional requirements and list four functional and non functional requirements for any scenario. |  |
| 4th | Do comparative study of various software development models  Build & Fix.  Classical Waterfall Life Cycle Model. |  |
| 5th | Modified Waterfall Life Cycle Model. |  |
| 6th | Prototype Life Cycle Model. |  |
| 7th | Minor Test |  |
| 8th | V - Life Cycle Model. |  |
| 9th | Iterative Enhancement Life Cycle Model. |  |
| 10th | Spiral Life Cycle Development Model. |  |
| 11th | Preparation of requirement document for standard application problems in standard format.(e.g Library Management System, Railway Reservation system, Hospital management System, University Admission system) |  |
| 12th | To identify the usage of Regression Testing. |  |
| 13th | To identify the usage of Agile Testing. |  |
| 14th | Minor Test |  |
| 15th | To understand the importance of SDLC and STLC process. |  |