KIET Group of Institutions, Ghaziabad

**Department of Computer Applications (NBA Accredited)**

(An ISO – 9001: 2015 Certified & ‘A+’ Grade accredited Institution by NAAC)

# SOFTWARE ENGINEERING LAB (KCA-352)

**MCA-III SEMESTER, 2023-24**

# PRACTICAL LIST

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Program** | **Date of**  **Completion** | **Faculty**  **Signature** | **Remarks** |
| 1 | Prepare an SRS document in line with the IEEE recommended standards for the specified Case Study. (Functional Requirements) |  |  |  |
| 2 | Prepare an SRS document in line with the IEEE recommended standards for the specified Case Study. (Non-Functional Requirements. |  |  |  |
| 3 | List out the entities and identify the relationship between them. Also, identify related attributes supposed to be recorded while considering the normalization rule. |  |  |  |
| 4 | List out the required processes to be coded along with the required flow charts. |  |  |  |
| 5 | Draw the activity diagram for the specified Case Study. |  |  |  |
| 6 | Draw the DFD to be considered while codding the individual processes or functions. |  |  |  |
| 7 | List out the categories of reports and the required data to be represented with them. Also, determine the layout of the reports that may be used by individual authorities of the intended organization. |  |  |  |
| 8 | While considering the scope of the individual functionalities draw the use case diagram for each of it. |  |  |  |
| 9 | On the basis of required validations map the different test cases to handle all possible critical cases which may arise during the life cycle of the software. |  |  |  |
| 10 | Identify the classes. Classify them as weak and strong classes and draw the class diagram for the specified Case Study. |  |  |  |
| 11 | Produce complete documentation along with PPT to be presented. |  |  |  |
| 12 | Presentation. |  |  |  |

Dr. Arun Kumar Tripathi

HOD-MCA

Dr. Amit Kumar

**(Subject Faculty)**

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