**CS 752 Software Architecture and Design Practices**

Assessment Activity 1 – Architecture Drivers for OAES

(20 marks)

**Objective of activity**: To systematically develop architecture drivers for a system

**Outcomes**: Be able identify architecture drivers from functional architecture

1. (5 marks) Create a list of 20 functionality features of OAES system discussed in class. Use the following template for response:

|  |  |  |
| --- | --- | --- |
| **Feature\_ID** | **Feature Name** | **Feature Description (1 sentence)** |
|  |  |  |
|  |  |  |

1. (5 marks) Create Functional Architecture diagram and map the features into the functional modules of the functional architecture. Use the following template to record your answer.

|  |  |  |
| --- | --- | --- |
| **Functional Architecture Principles**  *(State any 3 functional architecture principles used for creating the functional architecture)* | | |
|  | | |
| **Functional Architecture Diagram** | | |
|  | | |
| **Map the features to the appropriate functional modules present in the functional architecture** | | |
| S.No. | Feature\_ID | Functional Module |
|  |  |  |
|  |  |  |

1. (10 marks) Provide the list of architecture drivers for each functional module. Write at least one architecture driver for each functional module. More the better!

|  |  |  |
| --- | --- | --- |
| **Architecture Drivers** | | |
| S.No. | Functional Module Name | Key Architecture Driver |
|  |  |  |
|  |  |  |

What to upload:

* Upload your reponse in the form of a PDF document
* Name of the file: <activity\_num>\_<rollno>.pdf (e.g., activity01\_mt2019001.pdf)