**OPERATIONS PER SERVICE INTERFACE IN PUBLISHED PROJECT ARCHITECTURE**

**CM\_Services**

CreateCourse Factory

Create Course Object

Attach evaluation entities for course

Attach evaluation strategies for course

Attach Instructor to Course

**SM\_Services**

Enroll student in course

Print record for student

Print Record for student list

Declare status of enrollment

Select and change notification strategy

**Marks\_Services**

Add Mark

Final

Midtem

Projects

Modify Mark

Final

Midtem

Projects

Calculate Final Mark

**Admin\_Services**

Start System

Stop System

Create Instructor

Create Student

Read Student record

Write Student Record

Write Course Record

Write students enrolled

Write students allowed to enroll

Write evaluation entities

Write evaluation strategies

Write student records for a course

Read Course Record

Read students enrolled

Read students allowed to enroll

Read evaluation entities

Read evaluation strategies

**Login&Auth\_Services**

Login

Authentication

**Data\_Base\_Services** (isolates read/write ops from underlying DBMS technology used)

Read to Data Base

Write to Data Base

**DB\_Connection\_Service**

Read to Data Base (using specific DBMS’s drivers)

Write to Data Base ((using specific DBMS’s drivers)

**CMD\_Services**

Provides Façade between the UI Module and CM\_Services operations in the Process Server Module

**Storage\_Cmd\_Services**

Provides Façade between Command Server and Data Bases Services Module