Republic of the Philippines

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**College of Information Studies and Information Technology**

**Department of Information Technology**

Course Mapping

Matrix Subject: IT312 and IT312L – System Integration and Architecture 2 - AY 2020-2021

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CO1.**  Analyze, plan an integration of system across identified platform | | **CO2.** Create a system with RESTFul API | | | | **CO3.** Perform integration to other system | | **CO4.** Adopt JWT authentication on RESTFul API | |
| ILO1. Identify opportunities to solve user requirements | ILO2. Demonstrate the awareness different types involving system integration | ILO3. Identify the use of API | ILO4. Recognize the response and request of an API | ILO5. Practice RESTFul API | ILO6. Fix certain problem of an existing API | ILO7. Distinguish the header, body and status codes of a request and response | ILO8. Practice handling RESTFul API request and response | ILO9. Acknowledge the security of API | ILO10. Discuss the JWT structure |
| TOPICS | | | | | | | | | |
| * System Integration * System Integration Methods * Types of System Integration * Integration Requirement Document | | API  HTTP   * Header * Body * Status Code   RESTFUL API CRUD | | | | * Topics included ILO4 and ILO6 * Handling RESTFul API * API Testing | | * What is JWT * When should use you use JWT * JWT Structure * How JSON works | |

Prepared by: Recommending Approval: Approved:

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