

Royal University Of Phom Penh


Faculty of Engineering, Information Technology Engineering Department

PROJECT PRATICUM

Exploring University And Scholarship Opportunities In Cambodia Semester Two

Submitted to **Mr. Touch Nguonchhay**

By: **THOEUN ENGVI | PA BORASY**

-  Project Scope (Main Steps)
 1. Define platform objectives, features, and user roles.
 2. Design entity relationships and create essential tables: Users, Skills, Majors, Universities, Scholarships, Quiz.
 3. Choose backend technology stack and configure the project environment.
 4. Build secure and scalable API endpoints for platform operations.
 5. Implement ORM or direct SQL connections between backend and database.
 6. Apply user authentication, password encryption, and data validation measures.
 7. Perform functional testing of APIs and database interactions.
 8. Integrate frontend UI with backend services via APIs.
 9. Develop an administrative panel for system management and monitoring.

○ SUMMARY :

Plan → Database → Backend Setup → API → Secure → Test → Connect → (Optional Admin)

-  Work Breakdown Structure and Deadline Schedule

Thoeun Engyi

Week	Task	Time Line
3, 4	1	May 10,17
5, 6	2	May 24,31
7, 8	5	June 7, 14
9, 10	7	June 21, 28

11, 12	9	July 5, 12
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