

## Appendix 1 – Request for Proposal

### NOTICE FOR OPEN TENDER REQUEST FOR PROPOSAL

13rd MAY 2024 Revised Version : 12<sup>nd</sup> November 2024

#### OVERVIEW

##### 1. REFERENCE NUMBER

BCS2233-20232024/II

##### 2. SYSTEM OWNER

FINAL YEAR PROJECT COORDINATOR

FACULTY OF COMPUTING, UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH

##### 3. FASILITATOR

ROHANI BINTI ABU BAKAR,

COORDINATOR SOFTWARE REQUIREMENT WORKSHOP (BCS2233)

## BACKGROUND

Final Year Project (FYP) is the compulsory course for each undergraduates' students in Faculty of Computing. Student will have registered two related courses named as FYPI and FYP2 during their last two (2) semester from their study duration. These courses will require students to propose the solution for their finding problem by implementing all the knowledge and skills that they have learnt before. However, before they register in these courses, they are requiring to looking for their Supervisor to supervise their propose project. There are many ways to propose or hunting lecturers to become their supervisor. However, each lecturer have their own quota to received students as their supervisee. This quota will be decided by the faculty management based on the number of students expected to register these courses.

Item	Description
Project Name	Supervisor Hunting Apps.
Objective/Vision	The propose application should able to help FYP Coordinator to manage students and lecturers in the pre-phase of FYP. In this phase, student will be hunting their supervisor (among lecturers) based on their project theme or student interest or lecturer interest itself.
User of the System	<ol style="list-style-type: none"><li>1. FYP Coordinator</li><li>2. FC Lecturers</li><li>3. FC Students</li></ol>
Expected Functional Requirements	<b>Module 1: Manage User</b> <ol style="list-style-type: none"><li>1. The FYP Coordinator should able to register users (lecturers and students) in bulk by using certain format file (example .csv) with creating users' username and users' temporary password.</li><li>2. The users (lecturers and students) should able to login into the system by using their provided username and temporary password.</li><li>3. The system must ask new users to change their password when they are first time login to the system.</li><li>4. The FYP Coordinator should able to generate the report of users based on their registered program.</li><li>5. The system must able to allow the FYP Coordinator to print the generated report.</li><li>6. The FYP Coordinator should able to assigned lecturer based on their group research.</li></ol>

Item	Description
	<p data-bbox="675 152 1126 185"><b>Module 2: Manage Appointment</b></p> <ol data-bbox="724 208 1369 958" style="list-style-type: none"> <li data-bbox="724 208 1283 275">1. The lecturer should able to upload their timetable for the respective semester.</li> <li data-bbox="724 297 1369 365">2. The student should able to view the respective lecturers' timetable.</li> <li data-bbox="724 387 1305 499">3. The student should able to search their prospectus supervisor from the registered lecturer in the system.</li> <li data-bbox="724 521 1331 633">4. The student should able to apply the appointment with the respective lecturer by input date and time from the calendar.</li> <li data-bbox="724 656 1362 723">5. The lecturer should able to response (approve or reject) the requested appointment.</li> <li data-bbox="724 745 1251 857">6. The student should able to view their appointment request status from the appointment page.</li> <li data-bbox="724 880 1362 958">7. The system will send the reminder to the respective lecturer and student one day before their agreed appointment date.</li> </ol> <p data-bbox="675 1032 1078 1066"><b>Module 3 : Apply Topic/Title</b></p> <ol data-bbox="724 1088 1382 1888" style="list-style-type: none"> <li data-bbox="724 1088 1362 1155">1. Lecturer should able to post their proposal for FYP title in the system.</li> <li data-bbox="724 1178 1347 1245">2. The student should able to view the FYP proposal title by respective lecturer or by all.</li> <li data-bbox="724 1267 1362 1335">3. The student should able to apply the proposal from respective lecturer through the system.</li> <li data-bbox="724 1357 1347 1469">4. The student should able to apply the FYP Supervisor with their own title as well to the respective lecturer.</li> <li data-bbox="724 1491 1362 1559">5. When the student chooses a title from the list, the list should update the status of that title.</li> <li data-bbox="724 1581 1369 1648">6. The lecturer should able to accept or reject the application from the students.</li> <li data-bbox="724 1671 1362 1783">7. The system should automatically update lecturers' quota when the lecturer accepts any propose title/topic.</li> <li data-bbox="724 1805 1382 1888">8. The system should able to notify the respective student regarding the lecturer decision regarding their application.</li> </ol>

Item	Description
	<b>Module 4 : Manage Timeframe and Quota</b> <ol style="list-style-type: none"> <li>1. FYP Coordinator should be able to set start and end date for the supervisor hunting activities.</li> <li>2. The system should able to notify the FYP Coordinator a week before the end date is nearby.</li> <li>3. FYP Coordinator should be able to set the quota for each semester for all lecturers.</li> <li>4. Lecturer and student should be able to view the assigned quota for each lecturer after FYP Coordinator release it.</li> <li>5. The system should able to notify all students and lecturers regarding any update made by FYP Coordinator.</li> <li>6. The FYP Coordinator should able to generate report for the current quota for each lecturer in the list.</li> <li>7. The system should able to print the generated report.</li> </ol>
Quality Requirements	<ol style="list-style-type: none"> <li>1. Support concurrently connected users</li> <li>2. Robust database design to handle expected users</li> <li>3. Response time acceptable</li> <li>4. Easy backup and recovery of user supplied information</li> <li>5. Easy to use and require minimum experience to learn the system for first time user.</li> <li>6. Application should be able to access from any devices (mobile and computer).</li> </ol>
Constraint Requirements	<ol style="list-style-type: none"> <li>1. Each lecturer are not allowed to received more then their assigned quota for the students.</li> </ol>
User Interface Priorities	<ol style="list-style-type: none"> <li>1. Professional look and feel</li> <li>2. User friendly</li> <li>3. Easy to uses</li> </ol>
Other Important Issues	None
Technologies to be Used	<ol style="list-style-type: none"> <li>1. UI/UX Design</li> <li>2. Must be able to access through any devices.</li> <li>3. Application must have ability to suggest the appropriate information based on the given criteria by the students.</li> </ol>
Remarks	New idea or suggestions are welcome from tenderer.

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