**Software Requirement Specification**

# **Functional Requirement**

**SRS.1-1-1:** The system shall provide Lecturer registration interface on the web application, including lecturer ID, lecturer username, lecturer password, lecturer name, lecturer faculty, lecturer department, and lecturer tel for Lecturer register to the system.

**SRS.1-1-2:** The system shall store the Lecturer personal information into the system after Lecturer submitted his/her register information from Lecturer registration interface on the web application.

**SRS.1-1-3:** The system shall display “Registration Successful” message when Lecturer registered the Lecturer account in Lecturer registration interface on the web application.

**SRS.1-1-4:** The system shall validate the format of the Lecturer personal information after the Lecturer submitted his/her information from Lecturer registration interface on the web application.

**SRS.1-1-5:** The system shall display “The Lecturer ID must be the number only” when the lecturer ID format is wrong.

**SRS.1-1-6:** The system shall display “The Lecturer’s username must be only 4-16 alphabet characters” when the lecturer username format is wrong.

**SRS.1-1-7:** The system shall display “The Lecturer’s password must be only 4-16 characters” when the lecturer password format is wrong.

**SRS.1-1-8:** The system shall display “The Lecturer’s name must be the combination of alphabet and space only” when the lecturer name format is wrong.

**SRS.1-1-9:** The system shall display “The Lecturer’s tel must be number only” when the lecturer tel format is wrong.

**SRS.1-1-10:** The system shall validate the duplication of the lecturer username after Lecturer submitted his/her information from Lecturer registration interface on the web application.

**SRS.1-1-11:** The system shall display “Existing Lecturer’s username, please using different Lecturer’s username” when the lecturer username duplicates exist lecturer username.

**SRS.1-2-1:** The system shall provide Student registration interface on the web application, including student ID, student username, student password, student name, student address, student faculty, student department, and student tel for Student register to the system.

**SRS.1-2-2:** The system shall store the Student personal information into the system after Student submitted his/her register information from Student registration interface on the web application.

**SRS.1-2-3:** The system shall display “Registration Successful” message when Student registered the Student account in Student registration interface on the web application.

**SRS.1-2-4:** The system shall validate the format of the Student information after the Student submitted his/her information from Student registration interface on the web application.

**SRS.1-2-5:** The system shall display “The Student ID must be the number only” when the student ID format is wrong.

**SRS.1-2-6:** The system shall display “The Student’s username must be only 4-16 alphabet characters” when the student username format is wrong.

**SRS.1-2-7:** The system shall display “The Student’s password must be only 4-16 characters” when the student password format is wrong.

**SRS.1-2-8:** The system shall display “The Student’s name must be the combination of alphabet and space only” when the student name format is wrong.

**SRS.1-2-9:** The system shall display “The Student’s tel must be number only” when the student tel format is wrong.

**SRS.1-2-10:** The system shall validate the duplication of the student username after Student submitted his/her information from Student registration interface on the web application.

**SRS.1-2-11:** The system shall display “Existing Student’s username, please using different Student’s username” when the student username duplicates exist student username.

**SRS.1-3-1:** The system shall provide the Administrator main page interface on the web application.

**SRS.1-3-2:** The system shall provide the account approbation interface on the web application.

**SRS.1-3-3:** The system shall display “Approbation Successful” when Administrator approves Lecturer or Student account is successful.

**SRS.1-3-4:** The system shall update Lecturer or Student status account is available.

**SRS.1-4-1:** The system shall provide Lecturer main page interface on the web application.

**SRS.1-4-2:** The system shall provide Lecturer personal information interface on the web application, including lecturer password, lecturer name, lecturer faculty, lecturer department, and lecturer tel for Lecturer edits his/her personal information into the system.

**SRS.1-4-3:** The system shall update Lecturer personal information into the system after Lecturer submits to edit his/her personal information from Lecturer personal information interface on the web application.

**SRS.1-4-4:** The system shall display “Editing Information Successful” message when Lecturer edited the Lecturer personal information in Lecturer personal information interface on the web application.

**SRS.1-4-5:** The system shall validate the format of the personal information after Lecturer submitted his/her personal information from Lecturer personal information interface on the web application.

**SRS.1-4-6:** The system shall display “The Lecturer’s password must be only 4-16 characters” when the lecturer password format is wrong.

**SRS.1-4-7:** The system shall display “The Lecturer’s name must be the combination of alphabet and space only” when the lecturer name format is wrong.

**SRS.1-4-8:** The system shall display “The Lecturer’s tel must be number only” when the lecturer tel format is wrong.

**SRS.1-4-9:** The system shall validate the similarity of password and confirm password after Lecturer submitted his/her personal information from Lecturer personal information interface in the web application.

**SRS.1-4-10:** The system shall display “Password and confirm password is not matched” when password and confirm password is not matched.

**SRS.1-5-1:** The system shall provide Student main page interface on the web application.

**SRS.1-5-2:** The system shall provide Student personal information interface on the web application, including student password, student name, student faculty, student department, student address, and student tel for Student edits his/her personal information into the system.

**SRS.1-5-3:** The system shall update Student personal information into the system after Student submits to edit his/her personal information from Student personal information interface on the web application.

**SRS.1-5-4:** The system shall display “Editing Information Successful” message when Student edited the Student personal information in Student personal information interface on the web application.

**SRS.1-5-5:** The system shall validate the format of the personal information after Student submitted his/her personal information from Student personal information interface on the web application.

**SRS.1-5-6:** The system shall display “The Student’s password must be only 4-16 characters” when the student password format is wrong.

**SRS.1-5-7:** The system shall display “The Student’s name must be the combination of alphabet and space only” when the student name format is wrong.

**SRS.1-5-8:** The system shall display “The Student’s tel must be number only” when the student tel format is wrong.

**SRS.1-5-9:** The system shall validate the similarity of password and confirm password after Student submitted his/her personal information from Student personal information interface in the web application.

**SRS.1-5-10:** The system shall display “Password and confirm password is not matched” when password and confirm password is not matched.

**SRS.1-6-1:** The system shall provide Login interface on the web application, including username and password for Lecturer login his/her account into the system.

**SRS.1-6-2:** The system shall fetch Lecturer’s login information from the system to validate the correctness of login information in Login interface on the web application.

**SRS.1-6-3:** The system shall display “Invalid Username and/or Password” when username and password format are wrong to Lecturer.

**SRS.1-7-1:** The system shall provide Login interface on the web application, including username and password for Student login his/her account into the system.

**SRS.1-7-2:** The system shall fetch Student’s login information from the system to validate the correctness of login information in Login interface on the web application.

**SRS.1-7-3:** The system shall display “Invalid Username and/or Password” when username and password format are wrong to Student.

**SRS.1-8-1:** The system shall provide Login interface on the web application, including username and password for Administrator login his/her account into the system.

**SRS.1-8-2:** The system shall fetch Administrator’s login information from the system to validate the correctness of login information in Login interface on the web application.

**SRS.1-8-3:** The system shall display “Invalid Username and/or Password” when username and password format are wrong to Administrator.

**SRS.1-9-1:** The system shall provide Semester page interface on the web application, including semester academic year information for displaying to Administrator.

**SRS.1-9-2:** The system shall provide Addition semester page interface on the web application, including semester academic year information for Administrator adds new semester academic year.

**SRS.1-9-3:** The system shall store a semester academic year into the system after Administrator submitted addition semester academic year from Addition semester page interface on the web application.

**SRS.1-9-4:** The system shall display “Addition Semester Successful” when Administrator adds new semester academic year is successful.

**SRS.1-9-5:** The system shall validate the format of the semester academic year.

**SRS.1-9-6:** The system shall display “Semester academic year must be S/YYYY form. Which S is a semester and YYYY is an academic year” when semester academic year format is wrong.

**SRS.1-10-1:** The system shall provide Edition semester page interface on the web application, including semester academic year information for Administrator edits a semester academic year.

**SRS.1-10-2:** The system shall update a semester academic year into the system after Administrator submitted edition semester academic year from Edition semester page interface on the web application.

**SRS.1-10-3:** The system shall display “Edition Semester Successful” when Administrator edits a semester academic year is successful.

**SRS.1-10-4:** The system shall validate the format of the semester academic year.

**SRS.1-10-5:** The system shall display “Semester academic year must be S/YYYY form. Which S is a semester and YYYY is an academic year” when semester academic year format is wrong.

**SRS.1-11-1:** The system shall provide Deletion semester page interface on the web application, including semester academic year information for Administrator deletes a semester academic year.

**SRS.1-11-2:** The system shall delete a semester academic year into the system after Administrator submitted deletion semester academic year from Deletion semester page interface on the web application.

**SRS.1-11-3:** The system shall display “DeletionSemester Successful” when Administrator deletes a semester academic year is successful.

**SRS.1-12-1:** The system shall provide Course management interface on the web application.

**SRS.1-12-2:** The system shall provide Addition course page interface on the web application, including course name, course credit, course description, and lecturer name for Administrator adds course to the system.

**SRS.1-12-3:** The system shall store a course into the system after Administrator submitted addition course from Addition course page interface on the web application.

**SRS.1-12-4:** The system shall validate the format of the course information after Administrator submitted addition course from Addition course page interface on the web application.