**HIGH VALUE - LOW EFFORT (PRIORITY 1 - QUICK WINS)**

**1. USER REGISTRATION & LOGIN SYSTEM**

IMPLEMENT A SECURE AUTHENTICATION SYSTEM FOR STUDENTS, FACULTY, PROGRAM CHAIRS, AND SUPER ADMINS.

ROLE-BASED ACCESS CONTROL (RBAC) TO DETERMINE FUNCTIONALITY PER USER TYPE.

BASIC PASSWORD RECOVERY OPTION VIA EMAIL.

**2. QUESTION BANK MANAGEMENT**

CENTRALIZED DATABASE TO STORE, RETRIEVE, AND CATEGORIZE QUESTIONS.

QUESTION SYSTEM TO CLASSIFY QUESTIONS BASED ON SUBJECT, DIFFICULTY, AND COVERAGE.

SEARCH FUNCTION TO QUICKLY FIND QUESTIONS BASED ON KEYWORDS OR TAGS.

**3. BASIC TEST CREATION MODULE**

INTERFACE FOR FACULTY TO SELECT QUESTIONS AND CREATE ASSESSMENTS.

RANDOMIZATION OPTION TO AVOID QUESTION REPETITION IN DIFFERENT TESTS.

ABILITY TO SAVE DRAFT TESTS FOR FUTURE EDITING.

**4. STUDENT DASHBOARD**

OVERVIEW OF STUDENT PERFORMANCE, UPCOMING TESTS, AND PRACTICE RESULTS.

VISUAL INDICATORS FOR STRENGTHS AND WEAKNESSES BASED ON PAST TEST RESULTS.

EASY NAVIGATION TO PRACTICE PROBLEMS AND TIMED QUIZZES.

**5. AUTOMATED SCORING FOR OBJECTIVE QUESTIONS**

SYSTEM AUTO-GRADES MULTIPLE-CHOICE QUESTIONS.

IMMEDIATE FEEDBACK FOR INCORRECT ANSWERS.

STORES SCORES FOR PERFORMANCE TRACKING AND REPORT GENERATION.

**6. QUESTION PRINTING SYSTEM**

ONLY SUPER ADMINS CAN PRINT AND AUTHORZE QUESTIONS FOR QUALIFYING EXAMS.

FACULTY CAN PRINT SCHOOL-LEVEL EXAM MATERIALS.

ALLOWS FACULTY TO SELECT SUBJECTS, DIFFICULTY, AND COVERAGE FOR PRINTING.

GENERATES WELL-FORMATTED PDF DOCUMENTS FOR SCHOOL & EXAMINATION USE.

**7. QUESTION RANDOMIZATION**

RANDOMIZATION FEATURE TO ENSURE UNIQUE TESTS FOR DIFFERENT STUDENTS.

QUESTION ADJUSTMENT BASED ON PAST PERFORMANCE TO CREATE CHALLENGING TESTS.

**HIGH VALUE - HIGH EFFORT (PRIORITY 2 - MAJOR FEATURES)**

**8. APPROVAL SYSTEM FOR FACULTY UPDATES**

FACULTY CAN ADD, MODIFY, OR REMOVE QUESTIONS, BUT CHANGES REQUIRE PROGRAM CHAIR OR SUPER ADMIN APPROVAL.

APPROVAL REQUESTS ARE SENT TO THE PROGRAM CHAIR OR SUPER ADMIN FOR REVIEW.

SYSTEM LOGS ALL CHANGES AND APPROVAL HISTORY FOR AUDIT PURPOSES.

**9. TAGGED QUESTION REMOVAL SYSTEM**

QUESTIONS ANSWERED CORRECTLY BY 85% ABOVE OF STUDENTS OR BY 30% BELOW OF STUDENTS ARE AUTOMATICALLY TAGGED.

PROGRAM CHAIR OR SUPER ADMIN CAN REMOVE TAGGED QUESTIONS.

DETAILED REPORTS SHOW QUESTION PERFORMANCE DATA BEFORE REMOVAL.

**10. SECURE ONLINE TESTING ENVIRONMENT**

ANTI-CHEATING MEASURES SUCH AS RANDOMIZED QUESTIONS & TIME TRACKING.

FULL-SCREEN LOCKDOWN MODE TO PREVENT STUDENTS FROM NAVIGATING AWAY FROM THE TEST.

**11. FACULTY ASSIGNMENT & REASSIGNMENT SYSTEM**

SUPER ADMIN CAN ASSIGN SPECIFIC FACULTY MEMBERS TO DIFFERENT ROLES.

REAL-TIME FACULTY STATUS UPDATES TO SHOW ACTIVE OR INACTIVE MEMBERS.

**12. SUBJECT & DIFFICULTY SELECTION CONTROL**

SUPER ADMIN HAS EXCLUSIVE ACCESS TO DEFINE AND ADJUST SUBJECT DIFFICULTY LEVELS.

ABILITY TO LOCK CERTAIN SUBJECTS FROM MODIFICATION EXCEPT BY SUPER ADMIN.

PRE-SET DIFFICULTY LEVELS TO STANDARDIZE TESTING ACROSS DEPARTMENTS.

**LOW VALUE - LOW EFFORT (PRIORITY 3 - MINOR ENHANCEMENTS)**

**13. THEME CUSTOMIZATION FOR UI**

OPTION TO SWITCH BETWEEN LIGHT AND DARK MODE.

SIMPLE COLOR CUSTOMIZATION FOR USER INTERFACE.

**14. NOTIFICATIONS**

IN-SYSTEM NOTIFICATIONS FOR FACULTY WHEN THEIR QUESTIONS ARE APPROVED OR REJECTED.

NOTIFICATIONS FOR PROGRAM CHAIR AND SUPER ADMIN IF THERE IS A QUESTION NEED APPROVAL

**15. ADMIN ROLES & PERMISSIONS**

UI TO MANAGE PERMISSIONS FOR FACULTY, PROGRAM CHAIRS, AND SUPER ADMINS.

DETAILED PERMISSION SETTINGS FOR ADDING, MODIFYING, AND DELETING QUESTIONS.

**16. GMAIL LOGIN INTEGRATION (Tentative)**

GOOGLE ACCOUNT CONNECTED TO ARMS SIGN-IN OPTIONS FOR STUDENT CONVENIENCE.

**LOW VALUE - HIGH EFFORT (PRIORITY 4 - NICE TO HAVE BUT NOT URGENT)**

**17. GAMIFICATION ELEMENTS (Tentative)**

POINTS, BADGES, AND LEADERBOARDS TO MOTIVATE STUDENTS.

WEEKLY CHALLENGES AND REWARDS FOR CONSISTENT PARTICIPATION.

**18. CAMPUS-SPECIFIC ACCESS CONTROL**

RESTRICT WEBSITE ACCESS TO ONLY JRSMSU STUDENTS FROM DIFFERENT CAMPUSES.

AUTHENTICATION SYSTEM THAT VERIFIES STUDENT ENROLLMENT STATUS.

CAMPUS-BASED FILTERING FOR PERFORMANCE ANALYSIS AND QUESTION BANK USAGE.

**19. INTER-CAMPUS PERFORMANCE COMPARISON DASHBOARD**

ANALYTICS MODULE SHOWING STUDENT PERFORMANCE ACROSS DIFFERENT JRSMSU CAMPUSES.

DATA VISUALIZATION FOR CAMPUS-WIDE AVERAGES, STRONGEST & WEAKEST SUBJECTS.

SECURE DATA SHARING BETWEEN CAMPUSES WHILE MAINTAINING STUDENT PRIVACY.

**20. CAMPUS-SPECIFIC EXAM ADMINISTRATION**

ALLOWS PROGRAM CHAIRS TO MANAGE TESTS AND QUESTIONS SPECIFIC TO THEIR CAMPUS.

SUPER ADMIN CONTROLS WHICH QUESTIONS ARE SHARED GLOBALLY VS. CAMPUS-EXCLUSIVE.

CUSTOMIZED TEST PAPER GENERATION BASED ON CAMPUS REQUIREMENTS.

**21. JRSMSU EMAIL INTEGRATION FOR LOGIN**

LIMIT REGISTRATION TO USERS WITH A VALID JRSMSU EMAIL DOMAIN (E.G., @JRSMSU.EDU.PH) AND STUDENT ID.

ENFORCE SINGLE ACCOUNT PER STUDENT TO PREVENT DUPLICATE REGISTRATIONS.

RESET PASSWORD AND ACCOUNT RECOVERY VIA JRSMSU EMAIL.