**TEST PLAN**

for

ICTAK Alumni Job Portal

Group 2

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**1.0 INTRODUCTION**

The Test Plan is designed to describe the scope, approach, resources, and schedule of all testing activities of the **ICTAK Alumni Job Portal (**[**https://delightful-earrings-fish.cyclic.app/**](https://delightful-earrings-fish.cyclic.app/)**)**. This website provides different functionalities for users such as Admin, Employer, Faculty and Alumni.

This plan identifies the features to be tested,the features not to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the mitigation plan.

**2.0 OBJECTIVE**

The system test of the ICTAK Alumni Job Portal website will include Sign Up and Login Modules for Alumni, Faculty, Employers, Admin. Admin can Add Alumni, Faculty and Employer and Create new post, View all posts, can approve requests from alumni and can approve jobs. The Employer can post job details, view and edit new job details and view resumes of approved posts. The faculty can view and create new posts. Students have to create a profile for themselves as Alumni. In addition, determining the functional components of the web app that needs to be tested, which includes basic usability, accessibility, main functions of the application, and error conditions all these will be tested.

**3.0** **FEATURES TO BE TESTED (IN-SCOPE)**

| **- Name** | **Description** |
| --- | --- |
| Admin Login | * A registered admin can login with registered email id and password |
| Admin SignUp | * A new admin can sign up by entering name, email, and password |
| Admin Create New Post | * Admin can create a new job post by entering Job Name, Company Name, Job Place, Job Salary, Job type, Job qualification, Job experience, Job benefits, Work schedule, Job Preferred Language, Contact Details, and Job Description |
| Approve request from alumni | * Verify Approve button * Admins can verify the submissions to a post and forward it to the Employer / Post Owner |
| Employer Login | * A registered employer can login with registered email id and password |
| Employer SignUp | * A new employer can sign up by entering name, Company Name, Email, Phone number, password and designation |
| Employer Post Job Details | * An employer can post new job by entering Job Name, Company Name, Location, Salary, Job type, Qualifications, Job descriptions, Experience, Benefits, Schedule, Language and Contact details |
| Faculty Login | * A registered faculty can login with registered email id and password |
| Faculty SignUp | * A new Faculty can sign up by entering name, Email and password |
| Faculty Post Job Details | * Verify faculty can create a new post |
| Alumni Login | * A registered alumni can login with registered email id and password |
| Alumni SignUp | * A new alumni can sign up by entering name, email,mobile number, course, Qualification, Batch, Placement Status, and password |
| Alumni Verification | * Verify registered Alumni can respond to the job * Verify the visitors can see the job post |
| Alumni job application | * Verify Job Posting must have a Cut-off date and the response button should be automatically disabled after the cut-off time and date. * Verify the Response to a Job Posting is a submission of a PDF file or Online Link. |

**4.0** **FEATURES NOT TO BE TESTED (OUT OF SCOPE)**

* The logo, size and color
* Home button functionality in all pages
* Admin dashboard
* ‘View all post’ button in Admin Page
* ‘View job’ button in employer dashboard
* ‘Approved posts’ button in Employer dashboard
* Search box and button for job posting in alumni home page
* ‘View new post’ and ‘Logout faculty’ buttons in Faculty home page
* Search box and button for job postings
* Text present in admin dashboard
* Footer contents like About, More and Quick links
* All text present in Alumni home page.
* All contents under ‘View New Post’ in the Faculty home page.
* Delete, Edit, ReadMore, ViewResume buttons in Approve request from alumni page in Admin
* DB Testing

**5.0** **TEST LEVELS AND TEST TYPES**

**TEST TYPES**

* Functional Testing
* Non-Functional Testing

**TEST LEVELS**

* System Testing
* Integration Testing
* Acceptance Testing

**6.0 EXIT CRITERIA**

* Testing is finished and there are no functional bugs
* All the remaining bugs have low severity
* No more than 10% of medium-severity bugs are open

**7.0 SUSPENSION CRITERIA**

* Critical Bugs are open. They are blocking testing
* All remaining test cases are blocked by an open bug

**8.0 TEST DELIVERABLES**

Test deliverables are provided as below

* Test plan
* Test case document
* Requirement Traceability Matrix
* Test summary report
* Performance Report
* Bug report

**9.0 TEST ENVIRONMENT**

Operating System: Windows

Browser: Google Chrome , Mozilla Firefox, Microsoft Edge

Network: Wi-Fi

Tools : JMeter, Eclipse IDE, Selenium, TestNG, Maven, Apache POI, Jira, Github, MSOffice

**10.0 ESTIMATION**

Test Plan preparation : 7 Days

Test Case preparation : 4 Days

Manual Testing : 3 Days

Performance Testing : 7 Days

Automation Testing : 7 Days

**11.0 ROLES AND RESPONSIBILITIES**

| **SLNO** | **Task** |  |
| --- | --- | --- |
| **1** | **Pest plan preparation** | Anjana Baby, Akshay Mohan, Jeswin Sebastian, Maya M R, Pranav Vishnu |
| **2** | **Test case Preparation** | |
| * Admin Login | Anjana Baby |
| * Admin SignUp | Anjana Baby |
| * Admin Create New Post | Pranav Vishnu |
| * Approve request from alumni | Pranav Vishnu |
| * Employer Login | Maya M R |
| * Employer SignUp | Maya M R |
| * Employer Post Job Details | Jeswin Sebastian |
| * Faculty Login | Jeswin Sebastian |
| * Faculty SignUp | Akshay Mohan |
| * Faculty Post Job Details | Akshay Mohan |
| * Alumni Login | Maya M R |
| * Alumni SignUp | Maya M R |
| * Alumni Verification | Akshay Mohan |
| * Alumni job application | Pranav Vishnu |
| **3** | **Manual Testing** |  |
| * Admin Login | Anjana Baby |
| * Admin SignUp | Anjana Baby |
| * Admin Create New Post | Pranav Vishnu |
| * Approve request from alumni | Pranav Vishnu |
| * Employer Login | Maya M R |
| * Employer SignUp | Maya M R |
| * Employer Post Job Details | Jeswin Sebastian |
| * Faculty Login | Jeswin Sebastian |
| * Faculty SignUp | Akshay Mohan |
| * Faculty Post Job Details | Akshay Mohan |
| * Alumni Login | Maya M R |
| * Alumni SignUp | Maya M R |
| * Alumni Verification | Akshay Mohan |
| * Alumni job application | Pranav Vishnu |
| **4** | **Automation Testing** | |
| * Admin Login | Anjana Baby |
| * Admin SignUp | Anjana Baby |
| * Admin Create New Post | Pranav Vishnu |
| * Approve request from alumni | Pranav Vishnu |
| * Employer Login | Maya M R |
| * Employer SignUp | Maya M R |
| * Employer Post Job Details | Jeswin Sebastian |
| * Faculty Login | Jeswin Sebastian |
| * Faculty SignUp | Akshay Mohan |
| * Faculty Post Job Details | Akshay Mohan |
| * Alumni Login | Maya M R |
| * Alumni SignUp | Anjana Baby |
| * Alumni Verification | Akshay Mohan |
| * Alumni job application | Pranav Vishnu |
| **5** | **Performance Testing** | |
| Load testing with 5 threads | Maya M R & Anjana Baby |
| Load Testing with 10 threads | Akshay Mohan, Jeswin Sebastian, Pranav Vishnu |
| **6** | **Deliverables** | |
| Requirement Traceability Matrix | Maya M R |
| Test Summary Report | Anjana Baby, Akshay Mohan, Jeswin Sebastian, Maya M R, Pranav Vishnu |
|  | Bug Report | Jeswin Sebastian |
| Performance Test Report | Anjana Baby, Akshay Mohan, Jeswin Sebastian, Maya M R, Pranav Vishnu |
|  |  | |

**12.0 ASSUMPTIONS**

* The website to be tested is up and running

**13.0 RISKS AND RISK MITIGATION**

**List of Risks**

Risk 1: QA Environment is down

Risk 2: Critical Bugs keep showing which affect the time frame

**Risk Mitigation**

Risk 1: Risk Acceptance

Risk 2: Risk Acceptance

**14.0 TEST REFERENCE**

* Software Requirement Specification(SRS) Document