ICTAK TECH BLOG
TEST PLAN

1. INTRODUCTION

1.1. Purpose

This test plan describes the testing approach and overall framework that will drive the testing of ICTAK Tech Blog.

1.2. Project Objective

The purpose of this project is to post blogs on the ICTAK website. There are 3 roles which include User, Trainer, Admin. User, Admin, Trainer can create posts on the website. The responsibilities of 3 roles are as follows:

Admin:
- Admin has the access to add, edit, delete posts in the website.
- Admin have the rights to edit, delete posts of other users.
- There are 3 actions for Admin.
    1. Adding New post
    2. Add/Remove Categories
    3. Approval of post from User login

User:

The person registered under User login can create a new post. When he adds contents for the new post and submitted it will be sent to the admin for approval. Once the admin approves, the post will be available on the Home page. The user can edit, delete the post created by him.

Trainer:

The person registered as a trainer can create a new post. The trainer dont need approval from the admin to post the blog. When the trainer adds content for adding a post and submit it will be available on the home page. The trainer can edit, delete his post.

2.1.Scope and Levels of Testing

2.1.1. Exploratory

The purpose of this test is to make sure critical defects are removed before the next levels of testing can start. Exploratory test is carried out first by checking all the menu tabs and with the 3 types of login.

2.1.2. Manual Test

The purpose of this test is to make sure that all the tests are executed by seeing the test case document.

2.1.2. Functional Test

Functional testing will be performed to check the functions of application. The functional testing is carried out by feeding the input and validates the output from the application.

Yes : Allowed , No : Not Allowed.

Scenarios	User	Trainer	Admin
Login	Yes	Yes	Yes
Signup	Yes	Yes	No
New Post	Yes	Yes	Yes
My post Edit	Yes	Yes	Yes
My post Delete	Yes	Yes	Yes
Edit post of other login	No	No	Yes
Delete post of other login	No	No	Yes
Need approval for adding post	Yes	No	No
Home page Edit	No	No	Yes
Home page Delete	No	No	Yes
All posts Edit	No	No	Yes
All posts Delete	No	No	Yes
Admin Messages	Yes	No	No
Pending Approvals	No	No	Yes
Add/Remove category	No	No	Yes
Logout	Yes	Yes	Yes

3.1. Project Milestone

No	Milestone	Start date	End date
1	Test plan creation	19/2/2002	26/2/2022
2	Manual test case document	19/2/2002	26/2/2022
3	Automate test scenarios	26/2/2022	5/3/2022
4	Functional test and validation	26/2/2022	5/3/2022
5	Performance Test and Report generation	6/3/2022	12/3/2022
6	Code Submission	13/3/2022	20/3/2022

3.2. Project Distribution

Scenarios	User (Nasia)	Trainer(Krishna Priya)	Admin(Lavanya)	Ann Jose
WEEK 1 - Planning				
Test plan & Test case creation	6	6	6	6
WEEK 2 - Manual and Automation				
Login	1	1	1	
Signup	1	1		
New Post	0.5	0.5	0.5	
My post Edit	0.25	0.25	0.25	
My post Delete	0.25	0.25	0.25	
Edit post of other login	0.5	0.5		
Delete post of other login	0.5	0.5		
Need approval for adding post	0.5			
Home page Edit			0.5	
Home page Delete			0.5	
All posts Edit			0.5	
All posts Delete			0.5	
Admin Messages	0.25			
Categories sorting		1		
Pending Approvals			0.25	
Logout	0.25	0.25	0.25	
Home Page				2
About us				1
Contact us				1
Add/Remove category				1
WEEK 3 / 4 - Performance testing and Submission				
Performance Testing	6	6	6	6
Project Submission	6	6	6	6

3.3. Feature testing completion milestone

Scenarios	Completion date
Login	2/28/2022
Home Page	3/1/2022
Signup	3/1/2022
New Post	3/2/2022
About us	3/2/2022
My post Edit	3/2/2022
My post Delete	3/2/2022
Home page Edit	3/2/2022
Home page Delete	3/2/2022
Edit post of other login	3/3/2022
Delete post of other login	3/3/2022
Need approval for adding post	3/3/2022
Contact us	3/3/2022
All posts Edit	3/3/2022
All posts Delete	3/3/2022
Admin Messages	3/4/2022
Categories sorting	3/4/2022
Pending Approvals	3/4/2022
Logout	3/4/2022
Categories	3/4/2022
Add/Remove category	3/4/2022
Add/Remove category	3/4/2022

4. Traceability Matrix

Requirement No	Scenarios	User	Trainer	Admin
R1	Login	Yes	Yes	Yes
R1	Signup	Yes	Yes	No
R2	New Post	Yes	Yes	Yes
R2	My post Edit	Yes	Yes	Yes
R2	My post Delete	Yes	Yes	Yes
R2	Edit post of other login	No	No	Yes
R2	Delete post of other login	No	No	Yes
R2	Need approval for adding post	Yes	No	No
R2	Home page Edit	No	No	Yes
R2	Home page Delete	No	No	Yes
R2	All posts Edit	No	No	Yes
R2	All posts Delete	No	No	Yes
R2	Admin Messages	Yes	No	No
R3	Pending Approvals	No	No	Yes
R4	Add/Remove category	No	No	Yes
	Logout	Yes	Yes	Yes
R5	Category Sorting			

5. Automation Feasibility

The website is automated except for the following features.
1. In Home page, working of prev,next button in testimonials is not automated.
2. In Home page, under the latest articles the posts are not automated as it is dynamic.
3.In Contact us page, click on phone number and click on mail id is not automated.
4. In Home page, Latest articles section is not automated as the posts are getting added frequently.

6. Extra tools used

- We have used **JIRA** as a project management tool for this project. We keep track of our tasks with this tool.
- **Log4j** is implemented in this project for adding logs throughout the project.
- **Extent Report** is used as additional learning . We created html reports that shows results as Pie charts. It is an open source reporting tool that can be integrated with TestNG.