# User Acceptance Testing (UAT) Template

| Date | 19/05/2025-30/6/2025 |
|---|---|
| Team ID | LTVIP2025TMID45017 |
| Project Name | GrainPalette - A Deep Learning Odyssey In Rice Type Classification Through Transfer Learning |
| Maximum Marks | |

## Project Overview

- **Project Name:** Rice Type Identification using AI
- **Project Description:**
  This AI project helps farmers and agriculture professionals identify different rice types through image classification. Built with CNN and MobileNetv4, users upload images to receive predictions, enabling better decisions on cultivation and resource management.
- **Project Version:** v1.0
- **Testing Period:** 22 JUNE 2025 to 27 JUNE 2025

---

## Testing Scope

**Features and Functionalities to be Tested:**

- Image upload interface
- Model prediction on uploaded rice image
- Display of predicted rice type with confidence
- Responsive interface

**User Stories / Requirements to be Tested:**

- As a farmer, I want to identify the rice type by uploading an image
- As a researcher, I want quick identification in the field
- As a home gardener, I want to explore rice variety

---

## Testing Environment

- **URL/Location:** https://github.com/masthan07/Rice_classification
- **Credentials (if required):** Not Required

**Test Cases:**

| Test Case ID | Test Scenario | Test Steps | Expected Result | Actual Result | Pass/Fail |
|---|---|---|---|---|---|
| TC-001 | Upload image of rice grain | 1. Open app<br>2. Upload a rice grain image<br>3. Click Submit | The predicted rice type is displayed with confidence | Prediction displayed correctly | Pass |
| TC-002 | Upload an invalid file format | 1. Open app<br>2. Upload a non-image file (e.g., .txt)<br>3. Click Submit | Error message indicating invalid file type | Error shown as expected | Pass |

**Bug Tracking:**

| Bug ID | Bug Description | Steps to reproduce | Severity | Status | Additional feedback |
|---|---|---|---|---|---|
| BG-001 | No message when no image is uploaded | 1. Open app<br>2. Click submit | Low | Closed | Validation added |
| BG-002 | Minor UI overlap on mobile view | 1. Open app on small screen device | Medium | In Progress | May need responsive CSS tweaks |

**Sign-off:**

Tester Name: B.Masthan Basha

Date: 27 JUNE 2025

Signature: [Tester's Signature]

**Notes:**

- Ensure that all test cases cover both positive and negative scenarios.
- Encourage testers to provide detailed feedback, including any suggestions for improvement.
- Bug tracking should include details such as severity, status, and steps to reproduce.