**Application User Guide**

**of**

**Plant Diagnosis System**

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| 1. | **Installation**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-16-05-38-052_com.google.android.packageinstaller.png  Tap to INSTALL to get the app installed in your device. | **Installation**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-16-05-54-838_com.google.android.packageinstaller.png  After getting the Installation confirmation, tap on OPEN button to start the app |

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| 2. | **Start UP**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-26-59-973_com.google.android.packageinstaller.png  For the very first startup, user will get notification to allow the app to access device’s few features.  Tap **ALLOW** to provide permission. | **Start UP**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-27-16-538_com.tsi.pds.png  Above Login page appears with few other options.  Tap to **Sign Up** to complete the New User registration process. |

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| 3. | **Sign UP**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-28-32-750_com.tsi.pds.png  To Sign UP, please provide   * 1. Valid Email address   2. Password   3. Confirm Password   Then tap to **Submit** button. App will Send an OTP to the provided email address. | **Sign UP**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-29-53-674_com.tsi.pds.png  Collect the OTP from email and   1. Provide OTP as verification code. 2. Tap **Submit** to Login 3. In case of not getting OTP, tap to **Re-send OTP** and follow the above steps to verify email and login   Note that, OTP will be used to login for the first time only. Registered email and password will be used to farther login. |

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| 4. | **Home Page/Plant Selection**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-30-06-168_com.tsi.pds.png  After successful Login, user will get above screen as home screen which is actually **Plant Selection** page.  All available Plants will be displayed here. |  |

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| 5. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-30-19-128_com.tsi.pds.png   1. From the **Plant Selection** page, select desire Plant to diagnosis the plan. Above Screen will be shown. 2. Tap to **Gallery** to get a preserved image for Diagnosis. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-30-27-550_com.google.android.packageinstaller.png   1. Above permission seeking screen will be shown first time. 2. Tap to ALLOW to provide permission. 3. Select an existing image from the device memory. |

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| 6. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-31-02-625_com.tsi.pds.png   1. Selected image will be loaded similar to this screen. Image type and size will be shown. 2. Tap to the green marked **Cloud** icon. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-31-09-195_com.tsi.pds.png   1. System will ask if diagnosis is required or not in a popup message. 2. Tap **Yes** to get the Diagnosis Result. 3. Or, tap **No** to save the image in Gallery. |

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| 7. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-31-14-012_com.tsi.pds.png   1. After processing the image successfully, System will display the Diagnosis Result.   On the above image the result shows **Early Blight**. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-31-47-849_com.tsi.pds.png  Diagnosis Result for above image is **Late Blight** |

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| 8. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-32-10-624_com.tsi.pds.png  **Disease not found** for a healthy plant | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-32-36-964_com.tsi.pds.png  Application can detect not plant element and says **Not a Plan!** |

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| 9. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-32-54-425_com.tsi.pds.png  User can also take live image by using the device camera.   1. Tap to C**amera** instead of Gallery to capture an image. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-33-03-825_com.google.android.packageinstaller.png   1. System will ask for permission to capture image in a popup message. 2. Tap **ALLOW** to provide permission. |

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| 10. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-33-32-551_com.android.camera.png   1. Device camera will be open to capture image. | **Diagnosis Plant**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-33-41-601_com.tsi.pds.png   1. After capturing an image, it will allow to Diagnosis similar to previous process. |

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| 11. | **Reset Password**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-33-51-074_com.tsi.pds.png  In case of recover forgotten/lost password,   1. Tap to **Forgot Password?** link from the Login screen. | **Reset Password**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-34-24-552_com.tsi.pds.png   1. Recover Password screen will be open. 2. Provide registered email address 3. Tap to Get Verification Code. 4. OTP will be sent to the provided email address. |

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| 12. | **Reset Password**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-34-48-299_com.tsi.pds.png   1. Collect the OTP from email and provide that as verification code. 2. Tap **Submit** to Login 3. In case of not getting OTP, tap to **Re-send OTP** and follow the above steps to verify email and login | **Reset Password**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-35-23-278_com.tsi.pds.png   1. In **Reset Password** screen, provide **New Password** and **Confirm Password** 2. Tap to **Set New Password** to save new password against your account. |

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| **Admin Panel** | | |
| 13. | **Admin Login**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-27-40-179_com.tsi.pds - Copy.png  Start the application.  From login screen, use Admin credentials (Email and Password) and tap to **Sign In** to Login successfully. | **Home Screen/Plant Selection**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-41-52-628_com.tsi.pds.png  After successful login, Admin will be taken to the Home screen or the Plant Selection page.  Tap to the **System Wheel** Icon from the top beside the logout icon to enter the **Configuration** Panel. |

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| 14. | **Admin Configuration**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-42-57-882_com.tsi.pds.png  In the Configuration Panel, by default Admin will be provided the **Update API** tab.  To change/update the API path-   1. Provide the **API URL** in the text box. 2. Tap to **Update** button 3. Ssytem will confirm the change by displaying a message **“Api Saved”** | **Admin Configuration**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-42-06-885_com.tsi.pds.png  To add new crop, move to next Tab.  Add New Crop screen will be shown.  To add a new crop-   1. Add crop icon by tapping the **Upload Image Icon** button. 2. Select and open a saved image form the device memory/Gallery. |

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| 15. | **Admin Configuration**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-44-09-805_com.tsi.pds.png   1. Provide the crop name 2. Tap to **Add New Crop** to save crop information | **Admin Configuration**  C:\Users\Shahidul Karim\Desktop\Firoz\screenshoots-20200519T133119Z-001\screenshoots\Screenshot_2020-05-19-14-46-18-251_com.tsi.pds.png   1. Logout and re login as either User or Admin 2. New crop will be found in **Plant Selection** screen. |