**Application User Guide**

**of**

**Plant Diagnosis System**

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| 1. | **Installation**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-151640.png  Tap to INSTALL to get the app installed in your device. |
| 2. | **Installation**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-151649.png  After getting the Installation confirmation, tap on OPEN button to start the app |

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| 3. | **Start UP**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-151752.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. |
| 4. | **Start UP**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-151758.png  Above Login page appears with few other options.  Tap to **Sign Up** to complete the New User registration process. |

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| 5. | **Sign UP**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-151827.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. |
| 6. | **Sign UP**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-151912.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. |
| 7. | **Home Page/Select Crop**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-151935.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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| 8. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152156.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. 3. Select an existing image from the device memory. |

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| 9. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152018.png   1. Selected image will be loaded similar to this screen. Image type and size will be shown. 2. Tap to the green marked **Up Arrow** icon. |
| 10. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152025.png   1. System will ask if diagnosis is required or not in a popup message. 2. Tap **Yes** to get the Diagnosis Result.   Or, tap **No** to cancel and save the image in gallery. |

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| 11. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152036.png   1. After processing the image successfully, System will display the Diagnosis Result.   On the above image the result shows **Early Blight**. |
| 12. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152052.png  Diagnosis Result for above image is **Late Blight** |

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| 13. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152108.png  **Disease not found** for a healthy plant |
| 14. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152405.png  Application can detect not plant element and says **Not a Plan!** |

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| 15. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-151941.png  User can also take live image by using the device camera.  Tap to C**amera** instead of Gallery to capture an image. Device camera will be open to capture image. |

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| 16. | **Diagnosis Plant**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152327.png  After capturing an image, it will allow to Diagnosis similar to previous process. |

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| 17. | **Reset Password**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152431.png  In case of recover forgotten/lost password,  Tap to **Forgot Password?** link from the Login screen. |
| 18. | **Reset Password**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152548.png   1. Recover Password screen will be open. 2. Provide registered email address 3. Tap to Get Verification Code.   OTP will be sent to the provided email address. |

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| 19. | **Reset Password**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152613.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 |
| 20 | **Reset Password**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-152724.png   1. In **Reset Password** screen, provide **New Password** and **Confirm Password**   Tap to **Submit** to save new password against your account. |

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| **Admin Panel** | |
| 21. | **Admin Login**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-153023.png  Start the application.  From login screen, use Admin credentials (Email and Password) and tap to **Sign In** to Login successfully. |
| 22. | **Home Screen/Select Crop**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-153031.png  After successful login, Admin will be taken to the Home screen or the Crop Selection page.  Tap to the **System Wheel** Icon from the top beside the logout icon to enter the **Configuration** Panel. |

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| 23. | **Admin Configuration**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-153112.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   Ssytem will confirm the change by displaying a message **“Api Saved”** |
| 24. | **Admin Configuration**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-153128.png  To add a new crop, move to next Tab **ADD CROP**.  Add New Crop screen will be shown.  To add a new crop-   1. Add crop icon by tapping the **Upload Image Icon** button.   Select and open a saved image form the device memory/Gallery. |

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| 25. | **Admin Configuration**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-153157.png   1. Provide the crop name 2. Tap to **Add New Crop** to save crop information |
| 26. | **Admin Configuration**  D:\Sajib\Plan Diagnostic System\Android app\screens\Screenshot_20200615-153215.png   1. Logout and re login as either User or Admin   New crop will be found in **Plant Selection** screen. |