Citizen AI

Project Documentation

1.Introduction:-

*** PROJECT TITLE: Citizen AI**

*** NM ID : NM2025TMID08087**

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->Purpose:

The primary purpose of Citizen AI is to democratize and decentralize the creation and use of AI by empowering non-technical "citizen developers" and the public to leverage AI for various tasks. It aims to increase efficiency and accuracy in citizen services and government functions through intelligent automation and data analysis. Additionally, it fosters greater citizen engagement and empowerment by providing tools for personalized interactions, access to information, and participation in AI-driven initiatives.

->Features of Citizen AI:

- **Democratizing AI Access:**

Empowers individuals, including those without technical backgrounds, to build and utilize AI applications and tools, fostering a broader understanding and adoption of AI.

- **Enhancing Citizen Services:**

Streamlines government operations and improves public services by automating routine tasks, processing information, and providing faster, more accurate service delivery.

- **Improving Citizen Engagement:**

Facilitates more direct and interactive communication between citizens and governments through AI-powered chatbots and digital assistants, making it easier to access information and report issues.

- **Driving Operational Efficiency:**

Enables specialist departments to independently configure and integrate AI-based functionalities into their existing workflows, reducing reliance on specialized IT teams.

- **Boosting Productivity and Innovation:**

Provides tools and platforms for citizen developers to create intelligent applications, leading to smart recommendations, predictive analytics, and intelligent automation within organizations.

- **Empowering Informed Decision-Making:**

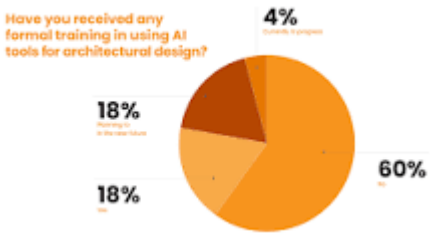
Allows governments to gain actionable insights from data and citizen feedback to make more informed policy decisions and allocate resources effectively.

- **Promoting Data-Driven Governance:**

Supports the collection and analysis of data through citizen participation, such as in citizen science projects, to improve the accuracy and relevance of AI models for local issues.

->Architecture:

AI dramatically enhances efficiency in architectural workflows by automating time-consuming tasks. Tasks such as drafting initial floor plans, analyzing structural integrity, and optimizing spatial layouts can be performed swiftly by AI, freeing architects to focus on more complex



design challenges.

AI dramatically enhances efficiency in architectural.

->Setup Instructions:

Prerequisities:

1. **Access project settings:**

2. **In your software development or deployment tool, right-click on your project in the Solution Explorer or go to the Project menu and select Properties.**
3. **Locate the prerequisites option:**
4. **Find the button or tab labeled "Prerequisites" or "Dependencies" to open the prerequisites dialog box.**
5. **Select the prerequisites:**
6. **Choose the specific components or runtimes from the list that need to be installed.**
7. **Configure installation:**
8. **Ensure the option to create a setup program to install these prerequisites is selected, so the installer handles them automatically.**
9. **Build and deploy:**
10. **When you build your project, the prerequisite installation package is downloaded and installed, ensuring the target machine has the necessary components.**
11. **Example in Visual Studio**
12. **Identify the prerequisite software/conditions:**

Determine what software, frameworks, or specific versions are needed for your main project to function correctly.

->Installation process:

1. **1. Physical Setup:**

If it's a piece of hardware, shut down the computer (if applicable) and install the internal components. For external devices, connect them to their respective ports.

2. **2. Start the Setup:**

Power on the device or run the installer program for software.

3. **3. Follow On-Screen Prompts:**

Answer the questions that appear during the installation process. This might include selecting an installation method, choosing an installation target, or providing details like IP addresses or serial numbers.

4. **4. Complete the Process:**

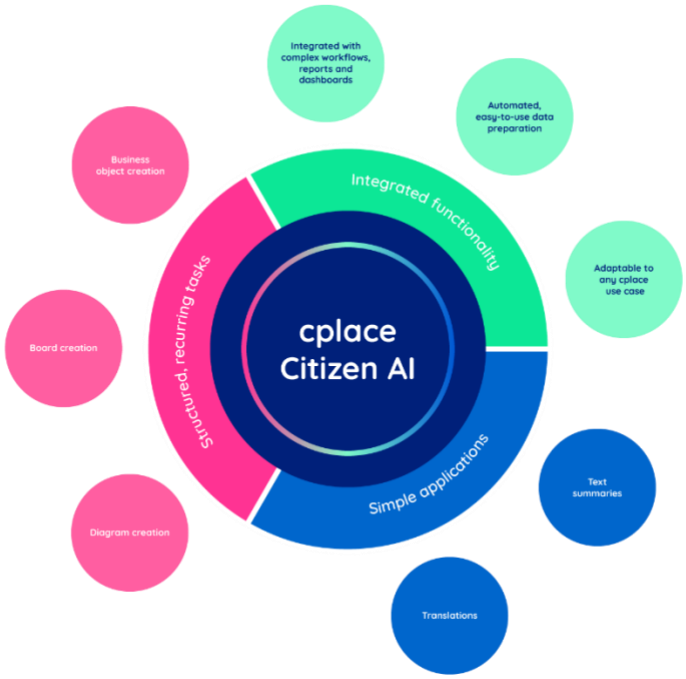
After the initial setup is finished, a reboot of the system may be required.

Post-Installation Steps

1. **Initial Configuration: Continue with any remaining configuration steps to personalize the device or application to your preferences and requirements.**
2. **Updates and Security: Update the system and install applications. Implement security measures and set up backups for recovery.**
3. **Testing: Test the installed system to ensure it functions correctly.**

➔ **Folder Structure:**

5. cplace *Citizen AI* is designed to automate complex tasks and reduce the need for technical expertise. Work can be done quickly, accurately, and automatically. According to Gartner's 2023 Employee Perspectives on the Future of Work Survey, 92% of employees expect AI to help them with administrative tasks and summarize information on a particular topic.



6.

-> Running the Application:

1. Understand the Need & Context

- **Identify a problem or opportunity:**

Look for areas where human effort is limited or inefficient, such as long wait times for government services, difficulties in understanding complex schemes, or the need for more direct citizen input on local planning.

- **Define the scope:**

Determine if the AI will work for an individual citizen, between citizens (peer-to-peer), or at a collective, city-wide level.

2. Develop or Integrate the AI Solution

- **Leverage existing platforms:**

Use low-code/no-code platforms to build tools or leverage cloud-based infrastructure with embedded AI capabilities.

- **Choose an AI approach:**
    - **Automation: AI takes over tasks like processing forms or checking documents.**
    - **Augmentation: AI works alongside humans to provide better insights, like predicting problems or supporting decision-making.**
- **Incorporate relevant AI technologies:**
    - **Chatbots: For 24/7 public support and multilingual assistance.**
    - **Predictive Analytics: To analyze large datasets and forecast issues like policy needs or infrastructure problems.**
    - **Personalized Services: To tailor government services based on individual citizen data.**

3. Implement & Deploy

- **Create user-friendly interfaces:**

Build web portals, mobile apps, or chatbots that are easy for citizens to access and use.

- **Focus on accessibility:**

Ensure applications work in multiple languages and can be used by people with varying levels of digital literacy.

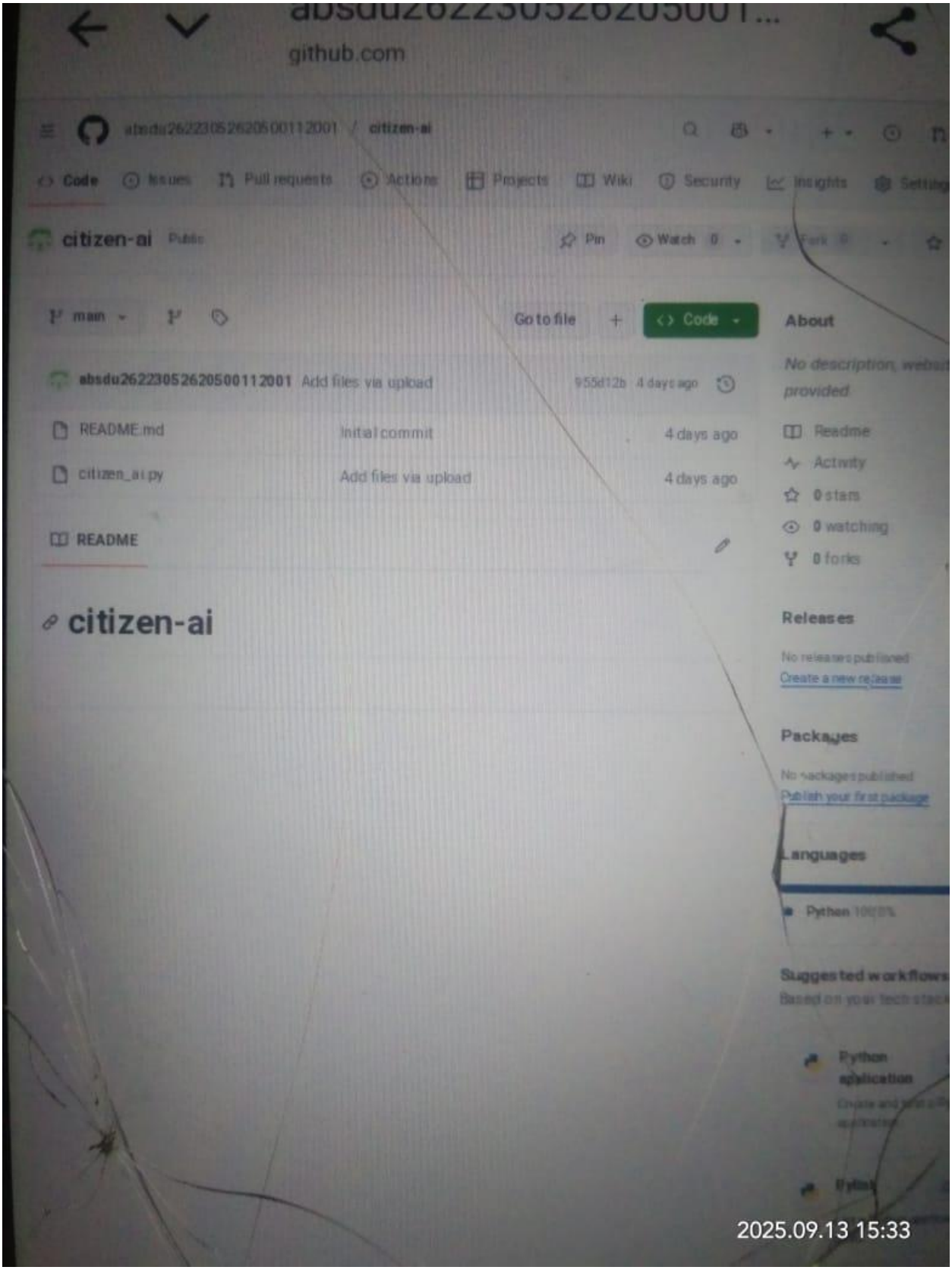
- **Integrate with existing systems:**

Connect the AI application to existing government workflows for functions like grievance management and service delivery.

4. Monitor & Refine

- **Ensure data privacy and security: Maintain user trust by protecting citizen data.**
- **Prevent bias: Continuously monitor the AI system for biases that could lead to unfair outcomes.**
- **Measure impact: Track the efficiency gains, improved decision-making, and increased citizen satisfaction to demonstrate the application's value.**

-> screen shots: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Create a new release
Packages
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-> Known issues:

Common ethical challenges in AI

- **Inconclusive evidence. ...**
- **Inscrutable evidence. ...**
- **Misguided evidence. ...**
- **Unfair outcomes. ...**
- **Transformative effects. ...**

9.Future enhancement:

1. **Improved Accuracy: AI Enhancement can significantly improve the accuracy of AI models by providing them with more comprehensive and diverse data.**
2. **Enhanced Efficiency: AI Enhancement can streamline AI processes, reducing the time and resources required to develop and deploy AI systems.**
3. **Increased Flexibility: AI Enhancement allows AI systems to adapt to changing requirements and environments, making them more versatile and effective.**