



**Project Domain :** Artificial Intelligence

**Project Name :** Beyond QWERTY Form Filling

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## **Beyond QWERTY Form Filling : Use Cases**

### **1. Agriculture and Rural Development**

Farmer Subsidy Applications: Farmers use voice commands in regional languages to fill out subsidy application forms.

Loan Applications: Farmers can use voice or biometric inputs to complete loan application forms with minimal effort.

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### **2. Healthcare**

Patient Registration: Biometric systems verify patient identity and auto-fill recurring details.

Telemedicine Consultations: Patients describe symptoms via voice, and the system fills the consultation request form dynamically.

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### **3. E-Governance**

Grievance Filing: Citizens use voice input in regional languages to lodge complaints with local municipal bodies.

Pension Applications: Elderly individuals use voice commands to fill out pension-related forms, reducing the need for typing.

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### **4. Education**

Student Admission Forms: Students use handwriting input on tablets to fill out their names and other details, converted automatically into typed text.

Feedback and Surveys: Students use voice commands to respond to feedback forms or surveys during or after classes.

Exam Applications: Simplify registration for competitive exams using OCR for scanned documents and AI for field prediction.

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### **5. Banking and Finance**

Account Opening: Customers use voice commands to answer questions while the system fills out the account opening forms dynamically..

KYC Updates: Users scan their Aadhaar or PAN cards, and the system extracts data to auto-populate KYC forms.

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## **6. Travel and Hospitality**

Hotel Check-In: Guests use gesture-based interfaces or voice to provide check-in details, reducing wait times.

Flight Booking: Travelers book flights using voice assistants to fill details like destination, dates, and passenger names.

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## **7. Retail and E-commerce**

Delivery Address Forms: Voice input allows users to dictate their address, with AI autocompletion correcting common errors.

Order Return Forms: Use of image uploads (e.g., a photo of damaged goods) to auto-fill return forms.

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## **8. Legal and Law Enforcement**

Police Complaints: Victims or witnesses file FIRs using voice input in regional languages, ensuring accessibility.

Traffic Violation Forms: Drivers use QR codes on fines to pre-fill dispute or payment forms.

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## **9. Logistics and Supply Chain**

Shipment Forms: Drivers use voice input to log shipment details while on the move, improving efficiency.

Delivery Confirmation: Customers use gesture-based approval (e.g., tapping a mobile app) to confirm deliveries without typing.

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## **10. Events and Conferences**

On-Site Registration: Attendees use voice or handwriting input to register quickly at events.

Event Feedback Forms: Attendees leave feedback using voice assistants or by writing on touch-enabled kiosks.

Session Check-Ins: Use gesture-based systems or biometrics for seamless attendee tracking.

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## Beyond QWERTY Form Filling : Architecture

