

Mobile CNIC Processing System

Immad Ahmed

Abstract: National database and registration authority (NADRA) made to drive for civil registration of all Pakistanis in March 2000 and in short time period it became centralized data warehouse, network infrastructure and interactive data acquisition systems to issue secure computerized national identity cards (CNIC). It is uniquely IT solutions and services provider organization. NADRA has taken many steps for facilitating the Pakistani citizens, there are many NADRA centers working in every districts and tahsils and many mobile vans are running in many rural areas of country for CNIC processing. It is fact that process of CNIC registration at NADRA centers is very exhaustive and cumbersome. This paper helps to provide mobile CNIC form processing effectively and efficiently to the citizens; who are living especially in remote areas, out of country and persons who are disabled.

Keywords: NADRA, CNIC, Motor vehicle registration, Kiosk, Mobile CNIC processing system.

1 Introduction

NADRA is functioning under the NADRA ordinance 2000 approved by the parliament of Pakistan. NADRA is placed under the ministry of interior, but enjoys full autonomy in all aspects of finance & management. It is a self-reliant organization having no government funding.

The successful projects of NADRA like the CNIC card making, passport making, immigration control, motor vehicle registration (VIN), law & order enforcement, credit ratings, authentications of all transactions, statistical data, birth/ marriage/ death registration, GIS, e-governance, disbursement of grant, planning at federal, provincial, district, local government etc, these are based on the authenticity of the database. The CNIC project is a success; with more than 86 million citizens registered in the database (includes 30 million children). More

than 56 million ID cards issued to citizens over the age of 18[1].

NADRA ranked among top 50 technology companies of the world for 2 consecutive years (2005 and 2006) as the system integrator in the field of homeland security and e-passport solution. NADRA centers are increasing in CNIC form processing system and also promoting NADRA mobile vans patrol at different places of rural areas. CNIC is the core product of NADRA issued to a valid/legitimate citizen of Pakistan. It is a blend of state-of-the-art technology and well-defined business rules to guarantee its authenticity and validity. The doctors might work at different places and medical assistance or any civilian.

2 Proposed Architecture

NADRA has come up with unique solution that caters wide array of users and administrators and it also deals with our cutting edge technological research in online verification system thus culminating chances of terrorist activities." Here it is presented the fast track architecture of Mobile-CNIC processing system will provide the following services for CNIC.

- Renew of CNIC
- Modification of CNIC
- Duplicate of CNIC

- Correction of Official Mistake in CNIC
- Cancellation of CNIC (In case of death).

Figure 1. Present the flow diagram for CNIC processing, in which first process applicant will connect the NADRA server with his mobile then will enroll the his particulars according to CNIC requirement. In Second process he will give the payment through kiosk machine. In third process NADRA will verify the particulars with NADRA data warehouse and then final process the CNIC will be delivered or issued on applicant particular address.



Figure 1: The Flow diagram of M-CNIC Processing system

The figure 2. present the whole CNIC Form processing system structure in which applicant will send the request for CNIC processing through his hand held device, the NADRA server will authenticate the applicant and will give him rights of CNIC form processing, when

applicant will enter all particulars then he will go the kiosk machine/bank for his CNIC payment, Kiosk machine is directly connected the NADRA servers. Applicant will deposit his CNIC payment though bank also with his particular CNIC identification number.

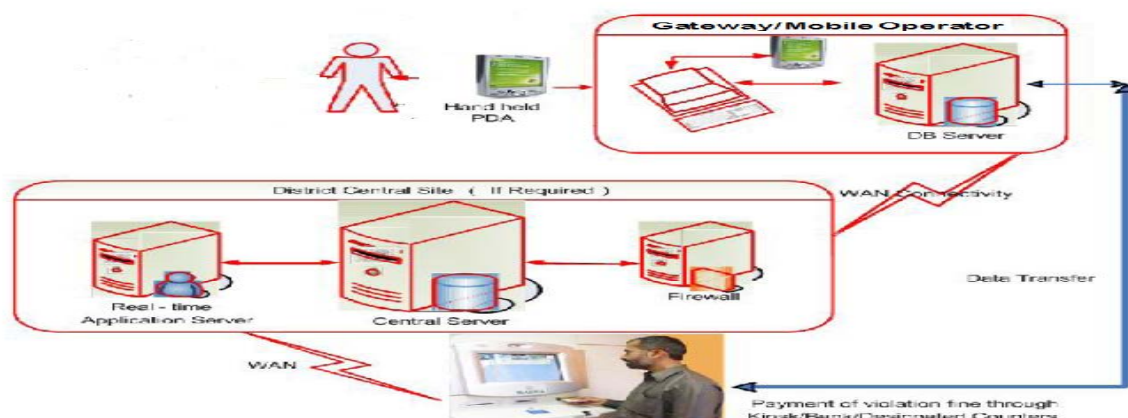


Figure 2. Mobile-CNIC Processing system

The figure 3. depict the user interface of CNIC from processing system in which applicant will enter his personal biodata and also will fetch his picture and thumb impression through his same mobile camera and finally will send his particulars to NADRA server/database.

3 Conclusion

This research work proposes a design to model for a mobile CNIC Form Processing system. Hence, user is a center, wherever he/she is, will connect the NADRA systems using mobile systems, NADRA system will authenticate the user then user will enter his particulars for processing and will send the request, after proper submission of particulars, user will submit the payment through kiosk/credit card or bank. Finally NADRA will process his CNIC particulars and at last, particular person will get his CNIC through courier to his particular home

address. So it is intended to use this Mobile-CNIC Processing framework is very efficient, useful, effective, adaptive and valuable for the persons who are disabled, who are living remote areas or out of country.

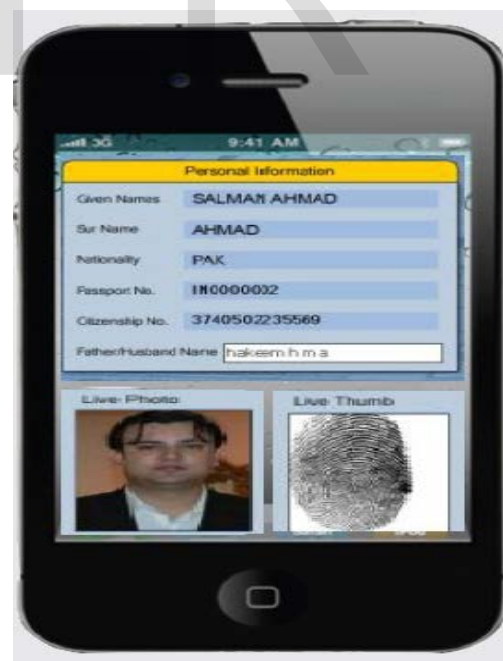


Figure3. Mobile Online CNIC Form Processing Interface

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