

Third Laureate Research & Development

26th Khwarizmi International Award (KIA)



- **Project Title:** Iran Electronic National Identity Card Program (IRAN ID)
- **Executive Organizations:** Matiran Company - Iran National Organization for Civil Registration (NOCR)
- **Representatives:** Hamid Shoabi, Dr. Mohammad Nazemi Ardakani
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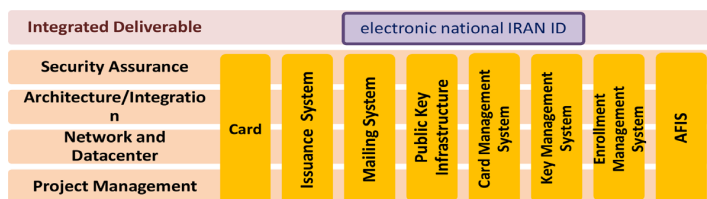
● Abstract:

Electronic National ID program is one of the infrastructures for a country in order to develop a comprehensive electronic government scheme. One of the most important objectives of running such programs is to introduce Digital Identity Management System in cyberspace. Electronic National ID card (Smart Card) provides the possibility of one to one mapping between physical identities and digital ones.

Due to the nature of the program, it has certain levels of complexity in terms of requirement engineering, architecture, design and implementation. Such programs are multi-disciplinary, so not only the technological aspect but also, Legal, Social, Economical and Security aspects should be dealt with very carefully. The program makes up of eight systems including: Smart Card, Card Management System, Enrollment Management System, Public Key Infrastructure (PKI), Automatic Fingerprint Identification System (AFIS), Issuance system and Mailing System.

Three main applications of the electronic national ID card are: Identification, Authentication and Digital Signature called IAS. These applications provide an appropriate infrastructure for e-Services such as: e-Voting, e-Subsidy, e-Health, e-Banking and generally a comprehensive infrastructure for many and any other e-Services.

The program has been started about five years ago. The customer of the program is National Organization of Civil Registration. Matiran has the honor of being one of the first Iranian companies developed such complex and multi-disciplinary programs based on internal brain resources.



"Matrix view of Program's subsystems and Parts"

