

Unified Birth and Death Registration System in Andhra Pradesh

ITE&C Department, Govt. of Andhra Pradesh has initiated Civil Registration System- Unified Births & Deaths Registration, a Flagship project, for computerization of Civil Registrations for RLBs (Rural Local Bodies) and ULBs (Urban Local Bodies) in consultation with Commissioner & Director of Municipal Administration (CDMA) and Commissioner, Panchayati Raj and Rural Employment (CPR&RE).



K. RAMA SUBBA REDDY

Senior Technical Director
reddykr@nic.in



SHAIK HAFEESSODDIN

Senior Systems Analyst
hafees@nic.in



K.SWATHI VENKATA LAKSHMI

Systems Analyst
swathi@nic.in

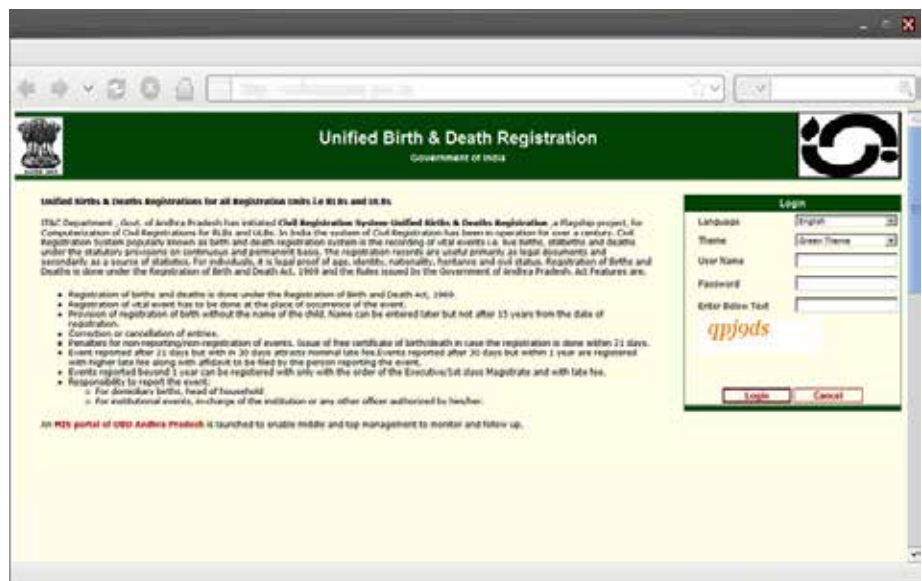
Edited by
R. GAYATRI

On India, the system of civil registrations has been in operation for over a century. Civil Registration System popularly known as Birth and Death Registration System is the recording of vital events i.e. live births, still births and deaths under the statutory provisions on continuous and permanent basis. The registration records are useful primarily as legal documents and secondarily as a source of statistics. For individuals, it is legal proof of age, identity, nationality, heritage and civil status. Registration of births and deaths is done under the Registration of Birth and Death Act, 1969 and the Rules issued by the Government of Andhra Pradesh.

UNIFIED MODEL

Different models and architectures

were followed by the Birth and Death Registration Units of RLBs (Gram Panchayats) and ULBs (Greater Municipal Corporations, Municipal Corporations, Municipalities) of Andhra Pradesh. Major gaps among the models are standardization, centralized access, restricted service delivery points, vertical monitoring, centralized application status view, etc. ITE&C department entrusted the activity of Gap Analysis to NIC Andhra Pradesh to study the prevailing models. Accordingly, NIC proposed a Unified Model of Birth and Death Registrations to bring out the standardization, centralized repository, digital signing of events, online boarding of reporting units to minimize the delay in reporting of events and G2C services either through Mee Seva or Registration Units. NIC has designed and developed web based Unified Birth and Death (UBD) Registration application software which is hosted on Andhra Pradesh



State Data Centre (APSDC). It is being implemented successfully in 1,317 registration units of ULBs and RLBs of Andhra Pradesh. Hospitals can avail the Online Event Reporting facility based on the assessment of eReadiness of the hospitals by the Registration Unit. Approval Authority of the hospital forwards the events to the concerned Registration Unit for registration.

FEATURES

- Birth, death and still-birth event reporting and registration
- Provision for Legacy Data Entry and Confirmation
- Registration of Digital Token by the Approval Authority of Registration Unit
- Digital signing of events - single/bulk
- Issuance of Birth and Death Certificates
- Issuance of non-availability of Birth and Death Certificates
- Registered Event Corrections
- Name Inclusion

- Hospital Interface for reporting of events
- Cancellation of registered birth and death events
- Aadhaar Seeding provision for birth and death events and interface to SRDH AP
- Two-level workflow
- Comprehensive MIS Capsule
- Unique Code for Registration Unit
- Mee Seva Interface

CITIZEN SERVICES THROUGH MEE SEVA CENTRES

G2C services are classified into two categories, Category-A-issuance of Birth and Death Certificates for the digitally signed records and Category-B - workflow based requests.

- Category A: Birth and Death Certificates
- Category B: Request for Birth and Death Certificates for un-ported data, Name Inclusion, Birth and Death Event Corrections, Non-Availability of Birth and Death Certificates.

DEVELOPMENT TECHNOLOGIES

- Java
- JSP
- Struts
- AJAX
- HTML
- Web Services

DEPLOYMENT PLATFORM

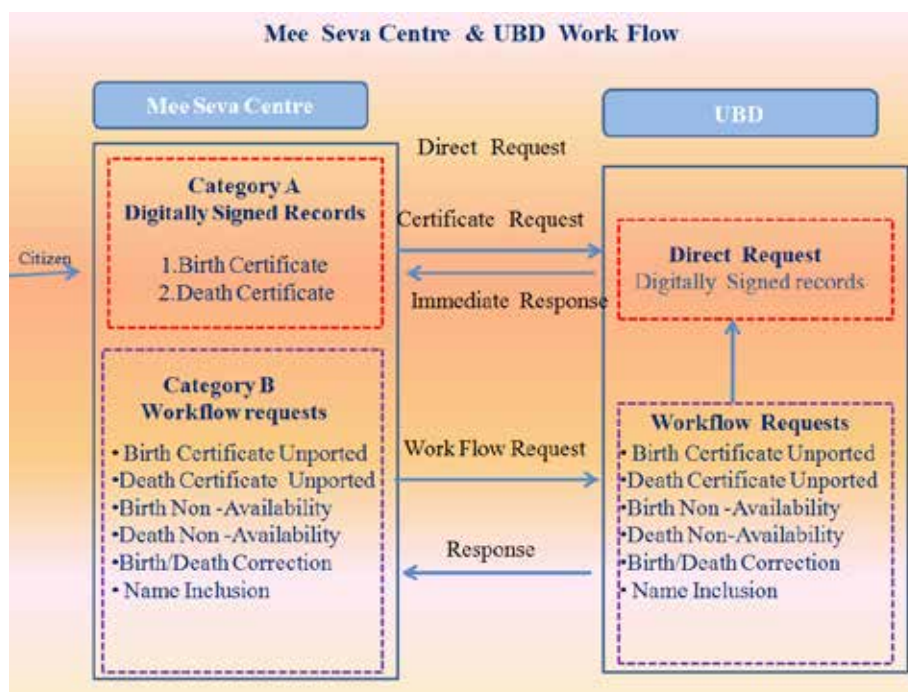
- **Application Server:** GlassFish Open Source Edition
- **Database Server:** Oracle Exalogic of AP State Data Centre

CHALLENGES

- Information in silos with diversified structures
- Migration of Legacy Data into a Unified Model
- Data Cleansing
- Digital Token Readiness
- Digital Signing of Records
- Capacity Building

BENEFITS

- UBD-APSC acts as a centralized repository of about 11 million events.
- Around 7 million events have been digitally signed.
- About 3 million certificates have been issued through Mee Seva Centres.
- Extensive Capacity Building Programmes have been carried out using SAPNET – Maana TV Programmes
- Centralized MIS Capsule (<http://ubd.ap.gov.in:8080/UBDMIS>)



For further information:

K. RAMA SUBBA REDDY
Senior Technical Director
E-mail: reddykrs@nic.in