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G-Keinhow

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Courtesy By

Shri Sanjay Prasad Principal Secretary, Department of Social Justice &

Empowerment

Editorial Team

Dr. Neeta Shah Mrs. Smita Gosai Mr. Sanket Prajapati



Empowering Gujarat

The 'Social Justice and Empowerment Department (SJED)' is entrusted with empowering people belonging to the backward and underprivileged sections of society. The Department has been following a pro-active approach for effective implementation of various schemes for the protection and welfare of people belonging to vulnerable sections.

Empower people belonging to the backward sections of societies and have-nots including underprivileged people such as, old aged persons, orphan children, physically and mentally challenged persons etc. , belonging to the Scheduled Castes, Socially and Educationally Backward Classes, Nomadic Tribes, Developing Castes, Minority class etc.,

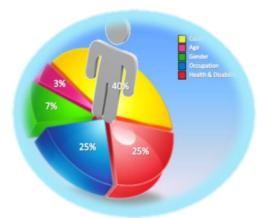
Through implementation of various schemes meant for educational, social and economic up-liftment, provision of residential accommodation, health care etc., through Scheduled Caste Sub-Plan schemes, Reservation Policy co-ordination etc. in order to ensure their empowerment through Social Justice, Economic Welfare, and Social Defense.



* Background

Government of Gujarat's SJE Dept. focus is on the Economic development and Empowerment of persons belonging by covering Society's underprivileged sections as below:

- Scheduled Castes
- Developing Castes
- Socially and Economically Backward Classes
- Minority communities
- Children in need of care and protection/Children in conflict with law
- Physically and mentally challenged persons/persons with disabilities
- Protection and Welfare Schemes are also being implemented by this Department for the orphans, destitute persons, beggars and old aged persons.



The protection and welfare schemes being implemented by this Department can be mainly classified as under:

- Education
- Economic Welfare
- Health and Housing
- Social Protection/Defense
- Other schemes

* Objectives

Ensure Equal Opportunity and Social Justice to the underprivileged class of people such as old aged persons, orphan children, physically and mentally challenged person etc. by providing them equal opportunities in the fields of education, economic and social security.

Ensure the economic wellbeing of people belonging to the Scheduled Castes, Socially and Educationally Backward Classes, Developing Castes, Nomadic Tribes, Minorities and economically weaker sections of society through effective economic welfare measures.



- Making services accessible as near as possible to their door step
- Making services affordable
- Making services available in time
- Making service delivery mechanism transparent
- Making services more and more efficient in terms of its value

The Goals and objectives of the SJED e-Kalyan project can be measured against five main parameters namely:

- Accessibility;
- Economy;
- Timeliness;
- Transparency and
- Efficiency.

* Challenges before initiative

Assessment of local needs and customizing eGovernance solutions to meet those needs

- Connectivity
- Building human capabilities
- Lack of integrated services
- Human psychology- Tendency to resist change in work culture
- Identification of the right beneficiary
- Lack of infrastructure

Motivating Factors

SJED has put in place an effective monitoring and evaluation mechanism at all levels to accomplish the basic objectives of the department.

However, since a large number of schemes target individual beneficiaries, the department faces:

- Identification of the right beneficiary.
- Reaching out to the people and making them aware about the schemes.
- Making people apply for the schemes.



- Managing huge volumes of applications and schemes.
- Timely mobilization of the funds.

Overview of System

The Social Justice and Empowerment Department (SJED) is entrusted with empowering people belonging to the backward and underprivileged sections of society. The Department has been following a pro-active approach for effective implementation of various schemes for the protection and welfare of people belonging to vulnerable sections. Through its various Directorates and District Offices, it runs around 240+ schemes such as Scholarships, Loans, incentives & Training for SC, SEBC, Developing Castes, Minorities, and physically challenged people and provides welfare services to nearly 70 percent of the population of Gujarat.

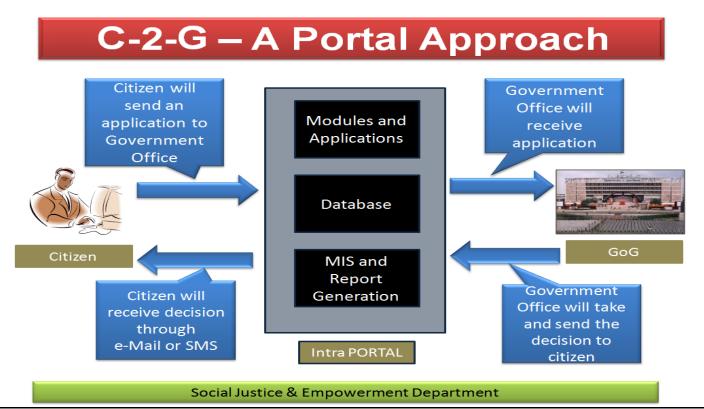




SJED took a comprehensive approach to implement e-Governance by developing a department portal with information about all its Directorates, Boards and Corporations. The website enables the beneficiary to download application forms of all the schemes.

Now, SJED has taken a holistic view and conceptualized an ambitious project of making online all the 240+ schemes catered by its various offices with an integrated Management Information System (MIS). The project "e-Kalyan" is one of the biggest social sector e-Governance projects in India. SJED is aiming to create a comprehensive integrated database for all its directorates and corporations.

Social Justice & Empowerment Department wanted to use ICT to provide timely, economical and door step services to the citizens through the network of various Citizen Service Centers (CSCs) and Panchayat offices. The department has envisaged a scenario where the person wanting any service would visit the CSC/e-Gram or the Panchayat office which would be within walking distance from their home and apply for the service online. The complete process of verification would be done with the help of information available in the departmental databases and the service would be provided online.

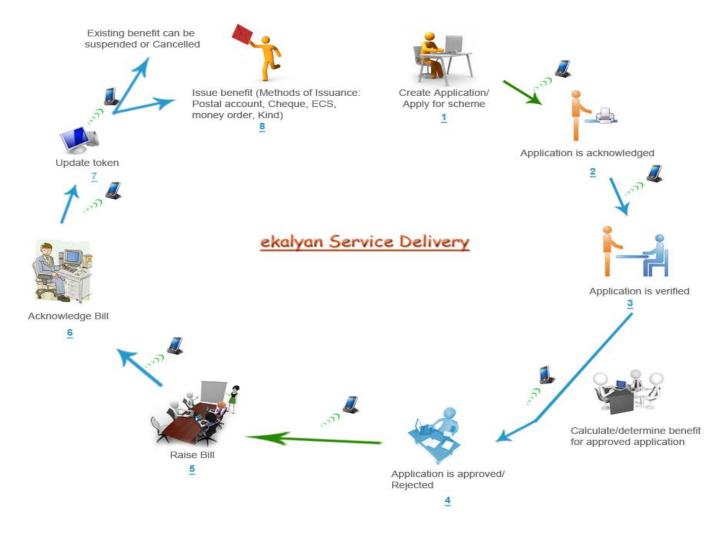




To meet the aforesaid goals and objectives SJED has embarked upon using ICT enabled services by implementing the "e-Kalyan" project for automation of its 200+ schemes by developing a G2C portal.

e-Kalyan will be one of the biggest "Government to Citizen (G2C)" internet applications in the state of Gujarat. Launching a G2C system wherein most of the beneficiaries belong to underprivileged sections is a big challenge. Fortunately, in Gujarat, due to the presence of more than 13,000 e-Gram centers with good IT infrastructure, GSWAN (Gujarat State Wide Area Network) availability in district offices and the State Data Center (SDC), it will be possible to launch e-Kalyan on such a big scale.

SJED uses ICT to provide timely, economical and door step services to the citizens through the statewide network of various district and taluka level Citizen Service



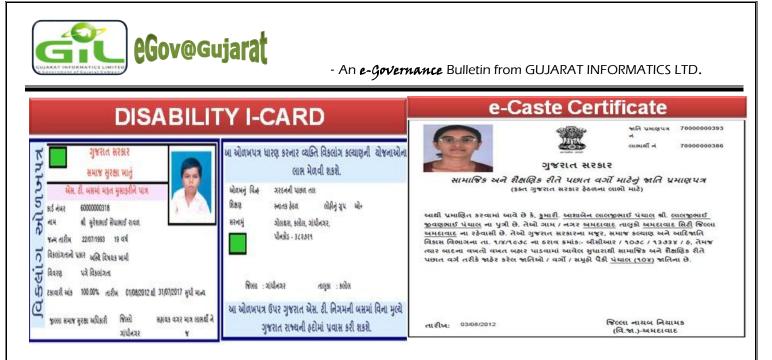


Centers (CSCs) and Panchayat offices. The department has envisaged a scenario where the person wanting any service would visit the CSC/e-Gram or the Panchayat office which would be within walking distance from their home and apply for the service online. The complete process of verification would be done with the help of information available in the departmental databases and the service would be provided online.

Convenience of use for the system is one of the core areas which were addressed holistically.

e-Kalyan provides interactivity by providing following features keeping in view user convenience and satisfaction.

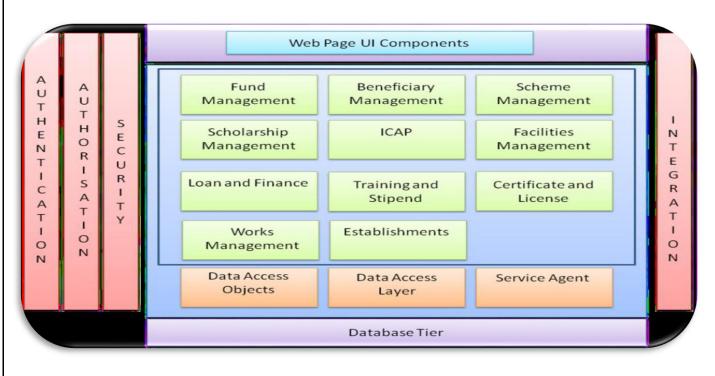
- System is available 24*7*365 through state wide area network as well as through internet.
- Users can see the status of their pending work.
- Every stage of processing are recorded and reflected at appropriate places in 'Work list' and tracking reports.
- Reports with appropriate hyperlink on the summarized data to drill down to detail information.
- Interactive Admin facility for setting up of values of master data with auto reflection of values at all applicable places in application.
- Summarized information in the form of dashboard available for senior management of the department which has drill down facility up to final level of detailed decision making.
- Offline capability of eKalyan enables district users to collect data of the beneficiaries offline in remote pockets and integrate with main database later once the connectivity is available.



* Technology

e-Kalyan solution is entirely developed using .Net stack (no third party software used), using open standards like XML and communication technology like WCF with the objective to promote interoperability and integration.

The e-Kalyan is developed with an integration/service layer, enabling the integration between e-Kalyan and external systems.





The benefits of using this layer are:

- Reduced coupling between e-Kalyan and external applications.
- Standard protocols / formats based communication between e-Kalyan and external applications.
- Potential opportunity to reuse existing logic / to reduce effort.
- Easier maintenance due to an identified layer that facilitates all communication.
- Usage of Microsoft Enterprise Library 5.0 to address cross cutting concerns.
- Facilitate swapping or mixing of UI technology (ASP.Net, WPF, Silver Light, or Win forms).
- Extensible and maintainable framework; most of the vital and generic behavior is present in base classes.
- Scalable deployment options.

* Features

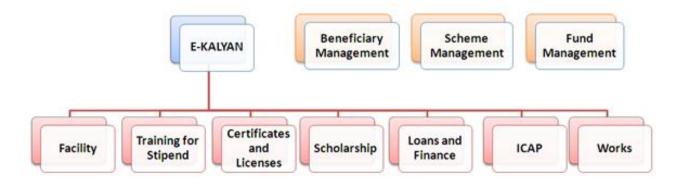
- Electronic workflow and processing of social services.
- Application processing with effective monitoring and evaluation mechanism at all levels.
- Enabling beneficiaries- Making people apply for the schemes.
- Availability of real time dashboard facility and Real time integration with banks/PO for disbursements. Configurable ECS templates.
- Offline capability of eKalyan enables district users collect data of the beneficiaries, offline, in remote pockets and integrate later once the connectivity is available.
- e-Kalyan enables the SJED to transfer the benefits directly to beneficiary's bank account.
- e-Kalyan is also compatible with the implementation of the schemes identified by GOI under DBT guidelines and integration with CPSMS.
- e-Kalyan is compatible with UIDAI and leverages the benefits of Auto Identity verification to the department user and automatic data seeding to end beneficiaries.
- e-Kalyan framework based approach makes it fully scalable horizontally and vertically and enables it to integrate with other state level systems like IWDMS, IFMS, ATVT and other applications of the Government of Gujarat.



Benefits

The main benefits of the e-Kalyan Application are:

- Door Step Service CSC Centers/e-Gram/Panchayat offices
- Increase transparency
- Increase efficiency in service delivery
- Real time statistics & Reporting
- Paperless governance
- Creation of integrated databases



• Application Modules:

On the application side, eKalyan aims at providing a composite solution to handle existing schemes as well as any new scheme with minimum efforts. Hence the solution should make the social justice department capable of implementation any new scheme in less time.

The functionality of the e-Kalyan solution is mainly divided into 10 modules. Following is the list of modules:

Achievements

- Creating a comprehensive integrated database for all levels to accomplish the basic objectives of the department
- Various databases integrated in the system
- Improved evaluation of the implementation progress by continuous monitoring through various Management Information System reports



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વડોદરા જિલ્લામાં ફજારો વિકલાંગો, ગરીબો અને આર્થિક રીતે પછાત વર્ગો માટેની વિવિધ ચોજનાઓના લાભાર્થીઓએ કાર્ક કે ઓળખપત્રો કઢાવવા માટે સરકારી કચેરીઓનાં ધક્કા ખાવા નફીં પડે. આ કામગીરી માટે સામાજિક ન્યાય અને અધિકારીતા વિભાગ દ્વારા વડોદરા જિલ્લાના પણ ઓનલાઈન વેબસેવા ekalyan.gujarat.gov.in પોર્ટલનો પ્રારંભ થઈ ચૂક્યો છે. જે અંતર્ગત હવે જિલ્લાભરના વિકલાંગોને ઓળખકાર્ક કઢાવવા કે રિન્યૂ કરવા માટે કચેરીઓમાં જવું પડશે નફીં. ત્યાર સુધી વડોદરાથી દૂર આવેલા શવું પડતું હતું. છોટાઉદેપુર, કવાંટ, પાલીજેતપુરના વિકલાંગોને ઓળખ કાર્ક કઢાવવા છેક વડોદરા સુધી લાંબા થવું પડતું હતું. પણ હવે આ સેવા ઉપલબ્ધ થતાં તેઓ પોતાના ગામમાં રઠીને જ ઓનલાઇન કોર્મ ભરી શકશે.

- Role based access control
- Fully Configurable System
- Clear audit trail of the processes
- Paperless Governance
- Decreased duplication of beneficiaries
- Scalable Server architecture
- Framework based approach

Beneficiaries

- Bank account ECS
- Door step services CSC centers/e-gram/Panchayat offices
- Multi-lingual interface (localization)
- UID integration
- Notifications through SMS/email
- Increased transparency and efficiency in service delivery
- Economical: Reducing travel cost
- Agency login mechanism and handholding support to apply for services on behalf of the beneficiaries
- Suggestions/ Grievance redressal mechanism and dedicated helpdesk

Future Plan

- Use technology like integration with handheld devices, biometrics for reducing leakages/frauds.
- Enabling Interactive Voice Response system for eKalyan
- Integrating Geographical Information System with eKalyan





e-India Award-2013

- The e-INDIA 2013 awards would celebrate and acknowledge unique and innovative initiatives in Governance, Education and Health sector across the country. The applicants will be required to fill in a Self-Nomination form. Each of the nomination will be adjudged under a binary process- Public Choice Award and Jury Choice Award
- Public Choice Award: Nominated projects will be screened and put online for the public to vote. Projects receiving the maximum number of votes under each category will receive the Public Choice Award.
- Jury Choice Award: Nominations will be screened by an eminent panel of jury members, who will then choose the best project from each category. The selected project will receive the Jury Choice Award. Gujarat has won the following major awards:

S N	r. O Winner	Category
1	Gujarat Agriculture Department	"Talavadi (Pond) Subsidy Scheme" (Tablet Base Software
2	Food and Drugs Control Administration, Gandhinagar	XLN – Xtended Licensing & Laboratory Node



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Block No. 1, 8th Floor, Udyog Bhavan, Gandhinagar – 382010 Phone: 079 – 23256022 Fax: 079 – 23238925
