

E-governance Initiatives By KELTRON Using OSS

By

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KELTRON

About KELTRON

- A 100 % Government owned State Public Sector Undertaking
- Started in 1973 with manufacturing facilities at various parts of Kerala and Sales offices in all major cities of India.
- Manufacturer of various Electronic products, Electronic Systems and Electronic Components, IT Hardware, Software, Networking, ITES.

IT Division

- **Computer hardware and Peripherals**
- **Software Development and Implementation**
- **Networking – LAN/WAN Design and implementation**
- **GIS (Open) based projects**
- **IT Projects and Services**
- **IT Training**

KELTRON as a user of OSS

- Started working in Open source platform 2001 onwards
- Software development in the Open source platform started in 2002
- A software for Project Performance Monitoring System (PPMS) was developed in 2002
- A Web based ERP solution was developed in-house in 2004 on Open-source platform

KELTRON as a Developer / Solution provider using OSS

- KELTRON started Web services group in 2003, providing web hosting services and web development. All the servers used for this are on Linux and they have been giving excellent performance for the last 5 years. All applications hosted are using Open source technology. Databases are on either MySQL or PostgreSQL.
- Implementation of diskless PCs in schools using terminal server feature in Linux - 2003-04
- Software development in VB, .Net etc were gradually stopped and all developments were switched over to Open Source platform – 2005-06.

Applications developed by KELTRON

1. Solution for State Lotteries Department.

State Lotteries Department

- Automated Rule Creation.
- Stock Management.
- Sales (Ticket Sales) Management.
- Lottery Draw Management.
- Sales Prize Preparation.
- Prize Distribution Management. (Prize distribution of main and agent prizes).
- Publicity Accounts Management.
- Generating Daily Transactions.
- Consolidated Reports.
- Centralized database server kept at State data center.

Applications developed by KELTRON

1. Solution for State Lotteries Department.
2. Industrial Entrepreneur Memorandum.

Industrial Entrepreneur Memorandum

- Filing required data on the site (about small scale or medium scale by user).
- Data Processing and acknowledgement service.
- Consolidated Reports.

Applications developed by KELTRON

1. Solution for State Lotteries Department.
2. Industrial Entrepreneur Memorandum.
3. Margin Money Loan Monitoring System

Margin Money Loan Monitoring System

- Loan Issue module.
- Loan Repayment module.
- Consolidated Reports.

Applications developed by KELTRON

1. Solution for State Lotteries Department.
2. Industrial Entrepreneur Memorandum.
3. Margin Money Loan Monitoring System
4. Record Room Management in the Secretariat.

Record Room Management in the Secretariat, Government of Kerala

- Day to day file issue.
- File Return.
- File Registration.
- File Availability.
- File Tracking.
- Consolidated Reports.

Applications developed by KELTRON

1. Solution for State Lotteries Department.
2. Industrial Entrepreneur Memorandum.
3. Margin Money Loan Monitoring System
4. Record Room Management in the Secretariat.
5. Virtual Trading Centre for Directorate of Industries and Commerce.

Virtual Trading Centre for Directorate of Industries and Commerce

- Directory of Products and firms in Kerala.
- Product wise as well as firm wise search facility.

Applications developed by KELTRON

6. Computerisation of Khadi & Village Industries Board – Kerala

Computerisation of Khadi & Village Industries Board – Kerala

- Accounting Management
- File Management
- Marketing Management
- Sales Management
- Go-down Management

Applications developed by KELTRON

6. Computerisation of Khadi & Village Industries Board – Kerala
7. Computerisation of Chief Electrical Inspectorate – Kerala

Computerisation of Chief Electrical Inspectorate - Kerala

- License Application Processing
- License issuing to contractors
- License issuing to supervisors
- License issuing to wiremen
- License Renewal

Applications developed by KELTRON

6. Computerisation of Khadi & Village Industries Board – Kerala
7. Computerisation of Chief Electrical Inspectorate – Kerala
8. Local language database (MySQL) for Election Commission.

Election Commission

- Hosting of Electoral Database in Malayalam.
- Conversion of Electoral Oracle Malayalam Database into MySql.
- Facility to search in Malayalam.
- Facility to find the locations of polling booths.
- Over 20 million records.
- Website www.ceokerala.com.
- Consolidated Reports.

Applications developed by KELTRON

6. Computerisation of Khadi & Village Industries Board – Kerala
7. Computerisation of Chief Electrical Inspectorate – Kerala
8. Local language database (MySQL) for Election Commission.
9. Solutions for various Welfare Fund Boards.
 - Agriculture Welfare Fund Board.
 - Shops and Establishment Welfare Board.
 - Cashew Workers Welfare Fund Board.

Welfare Fund Boards

- Collection of monthly subscription (Minimum).
- Monitoring different welfare schemes. (Making awareness of different welfare schemes).
- Office automation.
- Consolidated reports

Applications developed by KELTRON

10. Automated Procurement & Production Management for Launch Vehicle (APPLE) for VSSC

Automated Procurement & Production Management for Launch Vehicle (APPLE)

- Configuration Module (Vehicle Definition).
- Vehicle Creation Module.
- Fabrication Module (Purchase Order Generation).
- Test and Evaluation Module.
- Integration and Allocation Module.
- Consolidated Reports.

Applications developed by KELTRON

10. Automated Procurement & Production Management for Launch Vehicle (APPLE) for VSSC

11. Flight Data Management System for VSSC

Flight Data Management System

- Project Definition.
- Measurement type and unit definition.
- Device Library Creation.
- Channel Specification.
- User Requirement Document Generation.
- Flight Measurement Plan Document Generation.
- Testing and Evaluation Management.
- Scale Factor Computation.
- Consolidated Reports.

Applications developed by KELTRON

- 10. Automated Procurement & Production Management for Launch Vehicle (APPLE) for VSSC
- 11. Flight Data Management System for VSSC
- 12. “Common Man’s Super Computer”- High Performance Computing Solutions

Common Man's Super Computer

- High Performance Computing Solutions using low cost normal computers with Linux Operating System
- Parallel Processing, Cluster computing, grid computing, Cloud computing

Thank You

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