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Case Study - Integrated Administrative Software

Our company information

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Customer profile

Customer name	**Inter University Consortium for DAE facility, Calcutta Centre (An autonomous Advanced Research Institution of U.G.C. Govt. of India)**
Division	Scientific Research
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Synopsis

The Application software is an 'Online' integrated system that has been developed to automate and integrate the entire Purchase & Stores section, Personnel Section and the Accounts Section. The modules did include the development of 'Purchase & Store Automation System', 'Personnel Database Management System' and 'Financial Database Management System'.

The application software is distributed in nature and provides for a centralized system i.e. centralized processing and database with facility for decentralized input and output with multi level data security. This approach was taken keeping in view variety of factors like integrity of data, share access, security, and reduced data redundancy, reliability/availability of stored information, and consistency of data, maintenance, upgradeability and ease of audit.

The application consists of three functional module viz. Purchase & Stores Automation System, Personnel Database Management System and Financial Database Management System whose features are listed below respectively.

Purchase & Stores Automation system:

This module is an integrated on line system developed to automate the entire Purchase &Store functions; starting from Indent processing to Stock receipt & issue. In between Tender Invitation, Comparative statement of Quotations received, Local &foreign order entry &printing, Sending Reminders against unexecuted orders, Receipt &Issue of stores.

Functionalities are-

- Indent Master Entry
- Vendor Master Entry
- Vendor wise Product tagging
- Item master entry
- Tender Invitation letter entry master
- Order Master Entry
- Stock Master Entry
- Feature for automatic fax and email transmission of relevant documents.
- Transaction Entry involves Quotation entry, Invitation of tender; Local &Foreign order entry & Certified Stores Receipt Voucher Entry.
- Reports includes Tender Invitation letter, Printing of local &Foreign Order, Comparative Statement of the tenders, Printing of reminders against unexecuted orders, Fixed asset register, Printing of Stock ledger, stock status, Indent Register, Purchase Order Register, Vendors wise product list or vice verse, Product Price History, Order status &Year-wise commitment details report.

Since some of the data would have to be shared by the accounts module, appropriate privileges both at the User &Supervisor level (for both the Purchase &Accounts modules) should be provided.

Personnel Database Management system:

The integrated on line system is developed to automate the database for personal records of the employees. These include

1. Employee personal details
2. Service records
    - Details of joining
    - Initial scale and details of increment.
    - Employee service history
 3. Leave details
    - Details of casual leave
    - Earn Leave Records
    - Commuted leave records
    - Monthly attendance records.

The module has provisions for read only access of this data at the individual user level and appropriate read &write privileges at the supervisor level. The reports of this information are generated monthly, and bi-yearly only by the supervisor.