

COMPUTER SCIENCE

Basics of Computers - Domain Specific Tools

Depending on its usage, software may be **generic** or **specific**. **Generic software** is a software that can perform multiple tasks in different scenarios without being modified. For example, a word processor software can be used by anyone to create different types of documents like report, whitepaper, training material, etc. **Specific** software is a software for a particular application, like railway reservation system, weather forecasting, etc. Let us look at some examples of domain specific tools.

School Management System

School management system handles the diverse activities of a school like examination, attendance, admission, students' fees, time table, teachers' training, etc.

The screenshot displays the Mithila Academy Public School ERP system interface. The header includes the school name and location (Sector - W/E, Bokaro Steel City). A navigation menu contains links for 'About Us', 'Accounts Login', 'Class Teacher's Login', 'Teachers' Login', 'Office Login', 'ERP Admin Login', 'School Administrator Login', and 'Entry Forms'. Below the menu, there are additional options: 'Reports', 'Marks View Parameters', 'Report Card', 'Select Class to Generate Monthly Fees', 'Update Forms', and 'Print Fee Voucher'. The main content area is titled 'Student Marks Entry Parameters' and features a form with four dropdown menus: 'Exam Type', 'Class', 'Subject', and 'Subject Test Type', each with a 'Please select' prompt. A 'Submit' button is located at the bottom of the form. On the right side, there is a welcome message: 'Welcome [redacted] to Tech Vidya'. Below this, a brief description of the system is provided: 'Tech Vidya is a school ERP system developed by Techno Solution to automate administrative and academic processes of Mithila Academy Public School. Tech Vidya is an online system that allows its users to work from any corner of the world.' A 'Log out' button is positioned below the description. At the bottom right, there is a section titled 'LATEST FROM ERP ADMIN' with a note: 'To enter Friday Test Marks, Subject Test Type has to be Friday Test' and a motivational phrase 'Keep Up the Hard Work'. A search bar is visible at the very bottom of the page.

Inventory Management

Managing multiple activities like purchase, sales, order, delivery, stock maintenance, etc. associated with raw or processed goods in any business is

called inventory management. The inventory management software ensures that stocks are never below specified limits and purchase/deliveries are done in time.

Payroll Software

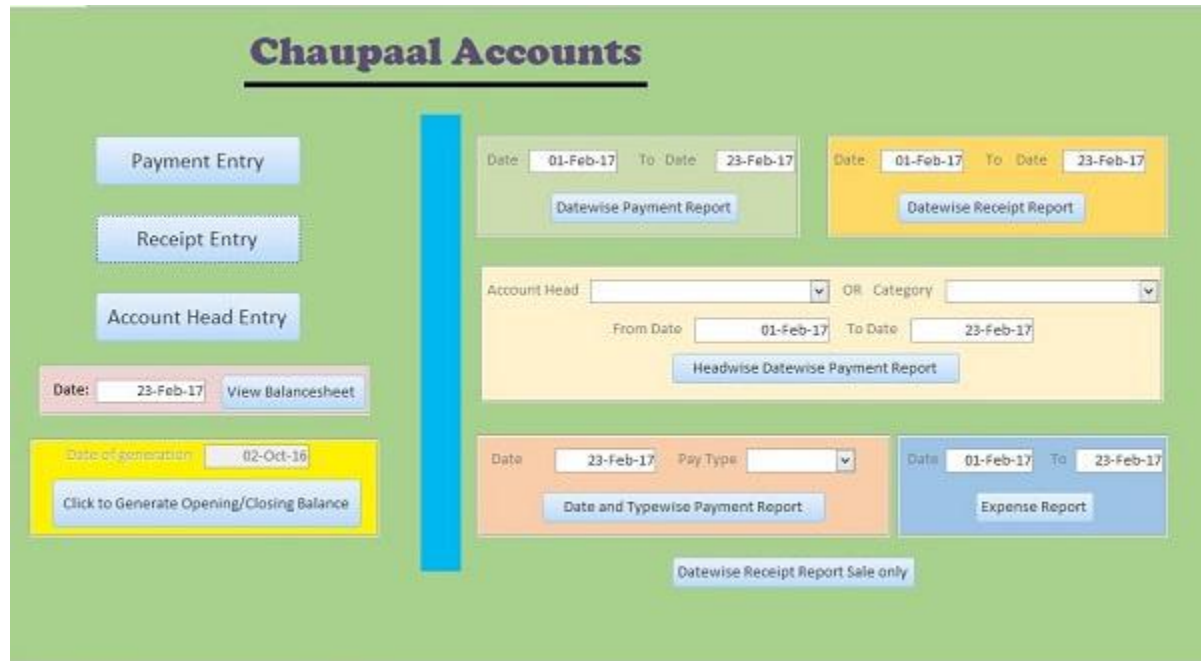
Payroll software handles complete salary calculations of employees, taking care of leave, bonus, loans, etc. Payroll software is usually a component of HR (human resource) management software in mid-sized to big organizations.



Financial Accounting

Financial management software keeps an electronic record of all financial transactions of the organization. It has many functional heads like account

receivables, accounts payable, loans, payroll, etc.



Restaurant Management

Restaurant management software helps restaurant managers in keeping track of inventory levels, daily orders, customer management, employee scheduling, table bookings, etc.



Railway Reservation System

Railway reservation system is a software that handles multiple modules like train routes, train management, seat booking, food booking, train maintenance, train status, travel packages, etc.



Weather Forecasting System

Weather forecasting system is a real-time software that predicts weather of a place by collecting copious amount of live data about atmospheric temperature, humidity, wind level, etc. It is used to predict major disasters like earthquakes, hurricanes, tsunamis, etc.

