



**SRI SRINIVASA EDUCATIONAL & CHARITABLE TRUST (R)**  
**SAPTHAGIRI COLLEGE OF ENGINEERING**  
(Affiliated to Visvesvaraya Technological University, Belagavi and Approved by AICTE-  
New Delhi)  
(Accredited by NAAC with "A" Grade)  
(ISO 9001:2015 & ISO 14001:2015 Certified Institution) #14/5, Chikkasandra,  
Hesaraghatta Main Road, Bengaluru-560057

### 6.2.3 Implementation of e-governance in areas of operation

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### 6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Electronic governance** or **e-governance** is the application of information and communication technology (ICT) for delivering different services like Administration, Finance and Accounts, Student Admission & support and Examination. The Sapthagiri College of Engineering has own Administration, Admission, Accounts and Examination department to maintain the data and information of students as well as staff. The college has purchased license application software like Tally, Campus Management System, Sapthagiri.org.in, Classic, Sage and MS Office to maintain such information. The accounts department is using Tally package and Sage software to maintain the finance and accounts of the college.

The college has developed its own ERP software, by in-house staff for examination and to maintain staff and student's database. The following are the Hardware and software requirements to develop the ERP software and installation.

#### **HARDWARE REQUIREMENTS**

Processor	: Core i3
Hard Disk	: 500 GB
RAM	:16 GB
Frame Work	:Visual basics, JSP

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## **SOFTWARE REQUIREMENTS**

Operating System: Windows 7 and higher Windows Server 2010,

Sentora OS

Front End: Visual basics, JSP

Back End: MYSQL database

The following modules are present in the ERP package.

### **ERP Modules:**

#### **Master information**

- College Details (Like College Affiliation, start year, Address)
- Logo's
- Building Details
- Degree and Department creations.
- Regulation Creation.

#### **Student Data**

- Student Admission Process
- Student Details import (Like Student Name, DOB, Father & Mother Name, Contact details, Category of seat(Category A, Convener A, Category B and Management B), Aadhar no)

#### **Staff Data**

- Staff Details import(Like staff name, Department, Designation, Contact details, Salary details, Allowances & Deductions details, Bio metric registration,)



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### **Attendance**

- Individual staff attendance.
- Admin attendance.
- Non-teaching attendance.
- Various types of reports (Like: late entry, in time, out time)

### **Internal Mark and Attendance**

- Upload student marks and attendance by individual staff
- Data upload by AMPS coordinator.
- SMS sent to parents through AMPS software.
- Report generation (Like: Monthly attendance, Internal marks)

### **Controller of Examination:**

- University seat number (USN) uploading
- Room number allocation for each USN
- Seating Arrangements.
- B-form generation
- Room allotment for faculty
- Exam Attendance sheet and question paper packaging generation.

### **Finance**

- Fee allocation for student.
- Fee concession & scholarship allocate for particular student
- Fee paid by various mode (Cash, Challan, DD, Cheque, Card, NEFT/RTGS)
- Various Reports like (Individual student wise, Dept wise, Batch year wise, Overall college wise, Payment mode wise, Concession report).

### **HR**

- Staff allowance & Deductions
- Leave masters.
- Staff grade pay master.
- Staff biometric attendance report.
- Salary calculation
- Monthly salary report.
- Pay bill generation.
- Reports



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### **Student Feedback**

- Feedback master creation.
- Question creation.
- Feedback Header creation.
- Feedback code generation.
- Feedback given by student.
- Feedback reports.

### **SMS**

- Student absentees automatic SMS.
- Internal and external mark SMS
- General Announcements
- Birthday wishes
- Higher authority alert SMS

### **Student's Portal**

- Student bio data
- Student attendance details for current and previous semesters in proctor dairy.
- Student Mark details for current and previous semesters sent to parents.

### **Library**

- Book, Back volume, Project, Journal details.
- Library in/Out entry.
- Book issue/Return/Renewal
- Fine calculation
- Library related report



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