



# SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous)

Karakambadi Road, Opposite LIC Training Centre, Tirupati – 517 507.  
Accredited by NBA (B.Tech – CSE, ECE,EEE,Mech.,Civil and IT) & NAAC with ‘A’ Grade  
Approved by AICTE, New Delhi permanently affiliated to JNTUA, Ananthapuram.

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## **2.5.3 IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution**

### **1. Pre-Examination**

#### **1. Program Master**

With Branches And Sems The programs with its branches and semesters will be created first time itself

#### **2. Student Master**

Student’s complete data will be stored in this interface with Personal Details, Academic Details and Admission details. This data can be used in other areas like Fee Collection, ID Card Printing, and Sending SMS etc.

#### **3. Nominal Roll**

Shows the list of students with details in the running semesters

#### **4. Batch wise Student List**

Shows the list of students for each batch in different semesters

#### **5. Curriculum Master**

Shows the list of students with details in the running semesters

#### **6. Curriculum Allotment**

Allotting the curriculum studied by each student in different semesters. In case the student detains and re-joins with a student who is studying a new curriculum, the new curriculum will be allotted to the detainee student automatically

#### **7. Marks Setup**

Marks Setup for different courses like max marks for theory, practical and project and pass percentage

#### **8. Subject/Course Master**

Subject details with its full name, elective, replacement option and credits are maintained here

#### **9. Elective Subjects Allotment**

The elective subjects will be allotted to the students in this interface

#### **10. Exam Fees Setup**

Exam fees structure will be maintained here for regular exams and supplementary exams for the selected exam

#### **11. Exam Fee Collection Dates Setup**

Examination master will be created with month and year of exam and with the dates of fee collection for regular and supplementary exams.

#### **12. Exam Time Table Master Setup**

The parameters input for generating the exam time table automatically is given here

#### **13. Exam Time Table**

The generated Exam Time Table will be displayed here. Will be displayed in the exam portal for each student’s login.

#### **14. Bulk Photo Resizing**

This option is used to compress the photos stored in database to display it in different printed formats like hall tickets, OMR Sheets

#### **15. i) Online Student Application**

The student can apply for his exam through this interface online (intranet). When he applies for supplementary exams his due subjects will be displayed and he can select only his due subject. The filled application form can be printed

#### **ii) Examination Application Form**

Once the examination master is created, application forms will be generated for the respective courses and semesters for all the students with their supplementary subjects printed. The student can tick the supplementary subject he wants to attend, sign it and submit it to the counter.

#### **16. Exam Fee Challan Generation**

As soon as the student is submitted his application, Exam Fee Challan will be generated with his fee particulars. The challan will be printed individually for regular exams and for each semester supplementary exam for each student

#### **17. Exam Fee Challan Confirmation**

Once the student paid the fee in Bank and returns his challan copy to the examination fee counter, the challan will be confirmed in the system by an operator

#### **18. Supplementary Data Checklist**

Here the list of students registered for supplementary exam will be displayed. In the data checklist, the subjects registered will be displayed with the status of the parameters to be given as input for generating the Exam Fee Challan, Hall ticket and OMR Sheet properly

#### **19. OMR Codes Generation**

Here the secret codes for each student for each registered subject will be generated automatically based on the criteria given.

#### **20. Blank OMR Codes Generation**

Extra blank sheets will be generated for using as stand by solution, in case any sheet misplaced. This code can be re-linked at the time of marks scanning.

#### **21. Clear OMR Codes**

In case the code list is not generated in the required sequence there is an option for clearing the codes before printing the hall tickets and OMR sheets.

#### **22. Exam Fee Dues List**

The students who are not collected the challan and who are not submitted it back will be treated as due students and hall ticket will not be generated for them

#### **23. Exam Fee Collection Report**

Fee collection statement will be printed based on date, counter, branch etc.

#### **24. Supplementary Students List**

Subject wise list of students who are registered for Supplementary exams is printed here.

#### **25. Hall Ticket Printing**

Once the application is submitted and an exam fee is paid, the hall ticket can be printed in bulk or single.

Optional: Can be given online.

#### **26. Seating Plan**

Seating plan will be printed by giving few setups like room strength, how many branched to be allocated in one room, no. of members in row and columns etc.

#### **27. OMR Sheets Generation**

The OMR codes will be generated for the students who are applied for the exam and will be printed from the software with barcode.

## **28. Blank OMR Sheets Generation**

Blank OMR sheets will be printed here.

### **2. Post-Examination**

#### **1. Exam Absentees Entries**

Here the absentees in the exam will be entered so that, so that their code will not be displayed in the DForms.

#### **2. Internal Marks Entry**

Internal marks will be entered through this interface by selecting single or multiple subjects.

#### **3. Supplementary Registration**

The students who paid the supple fees will be treated as candidates registered for supplementary exam and there is no need of re-entry here.

#### **4. OMR Scanning**

The OMR sheets will be scanned and external marks will be stored to the software by using OMR Reader Third Party Software (OMR Reader Key is a Third Party Software which needs to be integrated and has to be purchased from the College/Client end).

#### **5. Results Processing**

The results will be processed by merging internals and externals

#### **6. Checklist Printing**

The processed results with pass percentage of each branch will be printed without moderation

#### **7. Moderation**

The moderation interface will be given with choice to apply moderation marks for passing the 1 subject, 2 or 3 or with the different rules followed by institution.

All the statements will be printed individually for comparison and finalization

#### **8. Results Declaration**

The processed results with any one of the moderation finalized by the committee will be declared and the results will be visible online(internet and intranet) to the students in their individual IDs.

#### **9. Withheld students Results Declaration**

Through this interface the we can declare the results of the students who is done any malpractices etc.

#### **10. Re-Evaluation Fees Collection**

Through this interface challan for re-evaluation fee will be generated for the selected subjects.

#### **11. Revaluation Marks Entry (Scanning)**

The revaluation sheets will be scanned here. The marks will be compared with the first valuation marks and if the percentage of variation is more than a particular percentage given, then the sheets may go for third valuation. If at all the third valuation is done, that marks will be declared as final.

#### **12. Re-Evaluation Results Processing**

Here the re-evaluation results are processed and declared.

#### **13. Re-Registration**

Here the student can re-register for any failed subject in the previous semesters with internal marks less than a particular percentage.

#### **14. Re-Registration Results Processing**

Here the re-registration results are processed and declared.

#### **15. Student Code list printing**

Here the code Vs. Hall Ticket No. will be printed for the examiners reference.

#### **16. Re-Evaluation Fee Details**

Here the Re-Evaluation registered Candidates list and fee collection details will be displayed.

### **17. Marks Memo Printing**

Marks memo will be printed on the pre-printed stationary

### **18. Tabular Sheets For Display**

Consolidated tabular display of marks for all the semesters for applying provisional certificate and OD from University

### **19. Students Consolidated Mark Sheet**

Students consolidated marks sheet for print and for display online and offline

### **20. Various Analysis Reports**

Analysis Reports like

- Pass percentage for the selected exam
- Consolidated marks statement for all students
- Subject wise pass percentage
- Toppers in each subject
- Supplementary candidates etc.

### **21. Posting The Results To Student Inbox**

Each student will have an individual user id and password and he can view his results from anywhere in the world by logging into the BET online package.

## **3. Utilities**

### **1. College Setup**

A college master interface will be given for maintaining the college details like name, address, telephone, logo, college code etc.

### **2. Academic Year Creation**

Whenever the academic year changes, new academic year is to be created through this interface

### **3. Financial Year Creation**

Whenever the financial year changes, new financial year is to be created through this interface

### **4. User Creation (Offline)**

Users are to be created for doing the operations in the software with different permissions through this interface. Even the edit, delete permission will be controlled here.

### **5. User Creation (Online)**

Online users are created through this interface automatically who are the student users and the staff users who can view their performance, feedback etc. through online

### **6. Backup Of Data**

The data backup is taken through this interface. This is a user-controlled interface through which the latest backup of the database will be generated in '.BAK' formats. This backup is in non-editable format. This backup can be stored in external devices and can be restored if the existing data crashes or goes in a nonformat.

### **7. Promotions**

For promoting the students from the current semester to the next semester. Here the reasons of detaining like attendance shortage or credit shortage can be maintained.

## **4. CBCS- Choice Based Credit System**

1. Course Group Master
2. Course Master Common
3. Course Master Branch wise
4. Course Handling List/Faculty Mapping
5. Online Selection of Course for Each Student Login

6. Restriction of Max Credits and Max No. Subjects in Each Group
7. Letter Grades Integration
8. GPA Calculation on varying credits of the student
9. CGPA Calculation on varying credits of the student
10. Result Based on CGPA
11. Letter Grade for the Result
12. Incorporation of credits and result calculation, for the course studied in different college by the student

## 5. Examination Accounts – Income & Expenditure

1. Payment Voucher for
  - a. Question Paper Setting
  - b. Valuation
  - c. Re-Evaluation
  - d. Stationary Purchase
  - e. Other Expenditures
2. Receipt voucher will be generated automatically for all the fees collected through the software.
3. Income & Expenditure Statement

## 6. Online Payment Gateway

- a. Regular & Supplementary Examination fee collection and instant receipt generation
- b. Re-valuation Examination fee collection and instant receipt generation
- c. Recounting fee collection and instant receipt generation
- d. Script view fee collection and instant receipt generation
- e. Transcripts , Duplicate Memo fee collection and instant receipt generation and etc.,

**BET PLUS**  
SRI VENKATESWARA COLLEGE OF ENGINEERING

Pre-Examination

Masters Transactions Reports

26/12/2013	BET-BeeS Examination Tool is Installed
26/12/2013	BET-BeeS Examination Tool Training is given to all the staff

**PRE-EXAMINATION**  
 Course-Curriculum-Students  
 Time-table-Application-Fee collection  
 Feedback-Hallticket-OMR/Barcode  
 Seating Plan-D forms

**POST-EXAMINATION**  
 Evaluation  
 Result-Revaluation-Instant/Supply Exam  
 Certificate Printing  
 Auto Posting to Web Portal

Welcome <administrator>  
 Login Dt: 05/07/2022 12:12  
 Financial Year: 2020 - 2021  
 Academic Year: 2021 - 2022

**BET PLUS**  
 BeeS 100  
**BET**  
 EXAMINATION TOOL  
**PLUS**  
 BeeS  
 Examination Tool Plus  
 It's Simple & Complete...

**SRI VENKATESWARA COLLEGE OF ENGINEERING**

Pre-Examination

Masters Transactions Reports

- Program Master
- Curriculum Master
- Max Marks/ Divisions Setup
- Pass Condition Setup
- Grades Setup
- Course Master
- Section Master
- Lab Batches Master
- Import Initial Database**
- Student Data Management
- Migrate Marks from OLD Data**
- Exams Master Setup
- Internal Exams Setup
- External Exams Setup
- Betterment
- Seating Plan Setup
- Faculty/Scrutinizer/Admin Login Details

Student Master Data  
 Section Allotment  
 Curriculum & Batch Allotment  
 Batchwise Student List  
 Elective Courses Allotment  
 Replacement Course Allotment  
 Transitory Students Course Allotment  
 Course Detention  
 Child Courses Student Allotment  
 Bridge Courses Student Allotment  
 Optional Electives Student Allotment

Welcome <administrator>  
 Login Dt: 08/07/2022 09:43  
 Financial Year: 2020 - 2021  
 Academic Year: 2021 - 2022

**BET PRE-EXAMINATION**

- Course-Curriculum-Students
- Time-table-Application-Fee collection
- Feedback-Hallticket-OMR/Barcode
- Seating Plan-D forms

**BET POST-EXAMINATION**

- Evaluation
- Result-Revaluation-Instant/Supply Exam
- Certificate Printing
- Auto Posting to Web Portal