

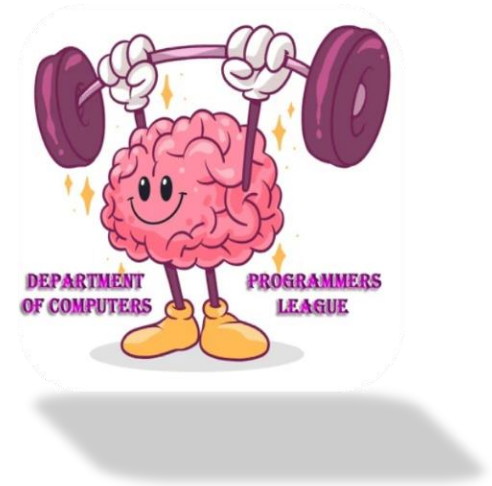


SHRI GNANAMBICA DEGREE COLLEGE (A)  
MADANAPALLE  
CODEATHON-2K25

PROBLEM STATEMENT – 1  
AES (Automated Examination System)

Options needed:

1. Enter program details
2. Enter Course details – semester wise (common courses & program oriented courses)
3. Enter Student details
4. Generate hall ticket numbers
5. Do student – program mapping
6. Do student course mapping
7. Collect Exam fee & Application form
8. Exam Time Table mapping
9. Generate Hall tickets
10. Generate Attendance sheet date wise / subject wise
11. Decoding
12. Marks Enter (External)
13. Results Generation
14. For failed students mark F
15. For pass students calculate total and average



Hints:

**Back End**

Have tables .....

- Program\_Master to have data of programs (like BSC, BCA, BCOM etc)
- Course\_Master to have data of Courses (subjects like English, multi discipline papers, Hindi etc and major minor papers etc)
- Student\_master table (adhar, apar\_id, sname, dob, gender, f\_name, m\_name etc)
- Student program mapping table
- Student course mapping table (based on programs)
- Hallticket\_master table
- Tables for marking exam\_attendance, decoding, and storing results.

**Front End**

use java- swings (or awt) to design GUI with menus and required options based on screen.

- \*\* Students can use all the resources they have
- \*\* Students can approach any faculty member to get support from them.
- \*\* Students to Remember the Last Date of Submission of the code. (18-SEP-2025)

ALL THE BEST