



**PES University, Bengaluru**

**Computer Science and Engineering Department**

**Session Jan-May, 2021**

**Semester: First Sem**

**Section : I**

**Project Title:** STUDENT GRADE GENERATOR CONSIDERING MARKS (various criteria like ESA, ESA+ISA1, ESA+ISA1+ISA2)

**Abstract:**

- In this program the user gives input of the information like name and the SRN and later the marks obtained in all the subjects of examinations like ISA-1, ISA-2 and ESA.
- By simple mathematical calculations ,after reducing the marks to the respective weightage assigned, use conditions for generation of grades.
- Using grades and the credits for each subject, SGPA(Semester Grade Point Average) can be calculated.

**Expected Outcome:**

- Grades obtained for every subject.
- SGPA(Semester Grade Point Average) is displayed after obtaining the credits of the subject from the user itself.

**Structure to take input and display outcome:**

- In simple command window first we obtain information like name, SRN, marks and later display the grades obtained after calculating it using given conditions.
- Later in a window created using GUI the grades and credits of the subject are taken and SGPA is displayed.

**Modules Used:**

- tkinter- used while forming window for the calculation of SGPA.

**References:**

- <https://www.geeksforgeeks.org/python-create-a-gui-marksheet-using-tkinter/>
- <https://www.geeksforgeeks.org/program-create-grade-calculator-in-python/>

**Team deatails**

**Team Number: 23**

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