



# SUNBEAM

Institute of Information Technology



1. Create a class 'Student' with rollno, studentName, course, dictionary of marks(subjectName -> marks [5]).

Provide following functionalities

- A. initializer
- B. override \_\_str\_\_ method
- C. accept student data
- D. Print student data for given id.
- E. Print Student who has failed in any subject.

Write menu driven program to test above functionalities.( accept records of 5 students and store those in list )

2. Write a class Date with day, month, year.

Provide following functionalities

- A. initializer
- B. Accept date(19/02/2018)
- C. validate date (If not then throw exception not InvalidDate ).
- D. Print Date in format of '19 Feb 2018'.

3. Use inheritance

Write a class Course with name, fees.

Provide following functionalities

- A. initializer
- B. Accept data
- C. Print Data .

Write a Class Computer with subjectList.

Provide following functionalities

- A. initializer
- B. Accept data
- C. Print Data .

Write a Class Electronics with subjectList.

Provide following functionalities

- A. initializer
- B. Accept data
- C. Print Data .

Write menu driven program to test above functionalities.

OutPut

'1st year Comp' 90000 ['sub1', 'sub2' ....]