## **System Size**

# **Function Point Estimation**

Functionality	Input	Output	Queries	File	Program interface
Authorization	1	2	2	0	0
Import course information	1	2	1	1	0
Create schedules	1	2	10	1	0
Apply filter	1	2	1	1	0

	Complexity				
Description	Total #	Low	Medium	High	Total
Inputs	4	2* 3	1*4	1*6	16
Outputs	8	4*4	4*5	0*7	36
Queries	14	3*7	10* <u>10</u>	1* <u>15</u>	136
Files	3	3*7	0* <u>10</u>	0* <u>15</u>	21
Program interface	0	0*5	0*7	0* <u>10</u>	0
To	209				

### The total processing complexity (PC):-

Tasks	Complexity
Data communication	2
Team cohesion	1
Familiarity with technology	2
On-line data entry	2
Total Processing Complexity (TPC)=	7

#### • The adjusted processing complexity (APC):-

#### • The total adjusted function points (TAFP):-

#### • Converting Function Points to Line Of Code (LOC):-

Language/Tool	Number of LOC / FP
HTML	15
Google Firebase	21
Python	53

- 60% will be done in Python
- 10% will be done in HTML
- 30% will be done in Google Firebase

#### • Number of lines of code (LOC) = TAFP \* # of( LOC\FP) \* %

#### • Estimating the effort:-

#### • Estimating the schedule time:-

#### • Estimating the number of persons:-