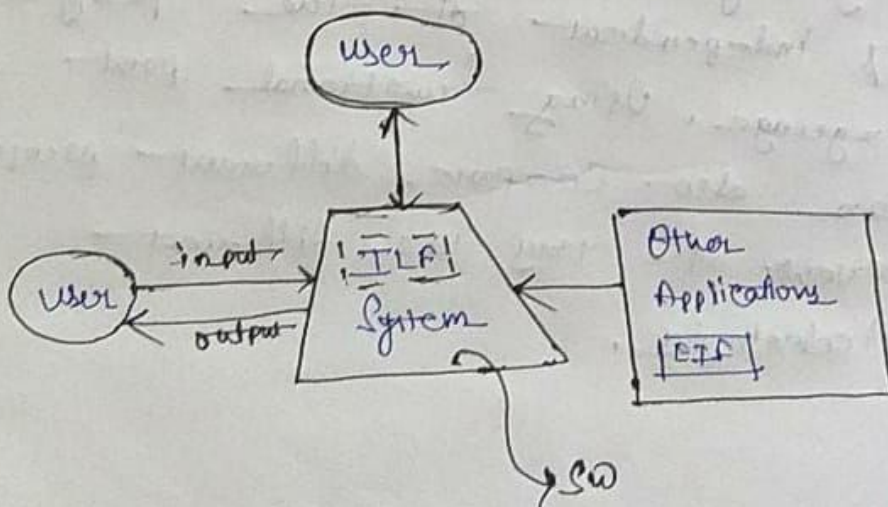Randvtta Sarkar

(11500219058)

IT-ESC 591L

Question-13

Objective:

Our main objective is to find the project time and size needed to develop the application using functional point.

function Points:

It measures functionality from user's point of view, means what the user recieves from software and what the user requests from the software.

Calculation of project size:

In this method the number and type of functions supported by the software are utilised to find fpc to estimate size.

functional point = FP = UEP × VAF

UEP = Sum of all the complexities i.e, the 5 parameters provided in the question.

VAF = Value Added factor i.e,
$$0.65 + (0.01 * TDI)$$

TDI = Total degree of influence of the 14 general system.

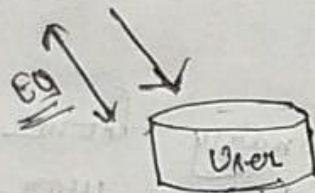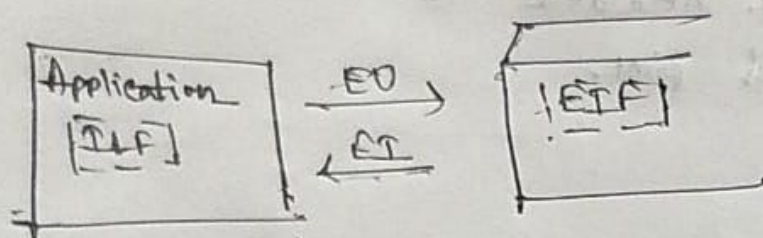| Measurement Parameters	Count	Weight	Total.
EI	4	4	16
External output	4	5	20
External Inquiries	3	4	12
EIF	0	7	0
Internal logical files	4	10	40

The functional Point can be
calculated as then considering
weighting factors are average,

$$= (16 + 20 + 12 + 0 + 40) \times (0.65 + (0.01 \times (14 \times 3)))$$

$$= 88 \times 1.07$$

$$= 94.16$$

Application [ILF] → EO, ← EI → !EIF!

EO → User (dig of the FP of given Needs)

Conclusion:

It can be easily used in the
early stages of project planning and
its independent of the programming
language. Using functional point we
can also compare different projects
event if they use different
technologies.