Name: *Noman Siddique*

Roll Number: *19P1664*

Subject: *Software Design and Architecture*

Lab Task: *10*

Instructor: *Usama Musharraf*

Architecture Evaluation (Quantitatively)

Size Metrics

NO Of Components	Services	NO OF OPERATIONS IN A COMPONENT
1	Register/login	2
2	Appointment	4
3	Medical history	3
4	Medicine	2
5	Test	2
6	Bill	3

No of component =6

No of Operation in system=16

Coupling Metrics

NO of Component	NO OF COMPONENT	DIRECT COUPLING	INDIRECT COUPLING
1	Register/login	6	0
2	Appointment	0	1
3	Medical history	1	2
4	Medicine	1	0
5	Test	1	0
6	Bill	2	0

Total Coupling =14

Coupling factor= $copF(Sys)=Tcoup / (f^2)-f$

$$f=6+16=22$$

$$= \quad =14 / (22^2) +22=0.0303…..$$