**MES’s INSTITUTE OF MANAGEMENT AND CAREER COURSES (IMCC), PUNE**

**A. Y. 2022-23**

**FYMCA SEM-II**

**Course Name-IT-22-Software Project Management**

**Assessment-Tutorial**

1. Suppose that a project was estimated to be 600KLOC. Calculate the effort and development time for each of the three modes i.e. organic, semidetached and embedded mode.

2. A new project with estimated 255KLOC system has to be developed for development project also requires:

1. S/w reliability is high (1.15)
2. Product Complexity is high (1.15)
3. Analyst capability is high (0.86)
4. Programming Language experience is low (1.07)
5. Remaining all drivers are treated as nominal.

Calculate Effort, Development time period, Staff Size & Productivity of the project

3. Consider a project with the following functional units.

a) Number of User Input = 40

b) Number of User Output = 30

c) Number of User Inquiries = 25

d) Number of User Files = 04

e) Number of External Interface = 04

In addition to above, system requires

i) Significant data communication (4)

ii) Performance is very critical (5)

iii) Designed code may be moderately reusable (2)

iv) System is not designed for multiple installations (0)

Other complexity factors are treated as average. Compute the functional point for the project.