



SPRING MAKEUPMID SEMESTER EXAMINATION-2023

School of Computer Engineering
Kalinga Institute of Industrial Technology, Deemed to be University
Software Project Management
IT 3032

Time: 1 1/2 Hours

Full Mark: 20

Answer any four Questions including Q.No.1 which is Compulsory.

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable and all parts of a question should be answered at one place only.

1. Answer all the questions. [1 x 5]
 - a) Project Management is important for Software build. Justify.
 - b) What are the downsides of the Payback period ?.
 - c) What is project risk ? list the risk categories.
 - d) What is off-the-shelf software ? what are it's benefits ?.
 - e) LOC is considered to be an integral part of effort estimation. What are the major shortcomings of LOC ?
2.
 - a). Discuss the key parameters that determines the project success .
 - b). Agile development model adheres to early & continuous delivery of valuable software to the client. Justify. [2.5+2.5 Marks]
3.
 - a) What is the difference between Return on Investment (RoI) & Net Present Value (NPV) ?
 - b) The initial investment and year-wise cash flow for four years on a project is given below.

Year	Project cash flow
0	-200,000
1	30,000
2	40,000
3	50,000
4	60,000

Calculate the Net Present Value [NPV] with a discount rate of 10%.

[2.5+2.5 Marks]

4. a). Explain the software project management life cycle.
b). what is Extreme Programming? Does it adhere to Agile Modeling? What are the limitations of Extreme Programming?

[2.5 + 2.5 Marks]

5. a). What are the key-characteristics of a self-organizing team? How to develop a self-organizing & cross functional team ?
b). The size of an organic type software product is estimated to be 90,000 lines of source code. Assume that the average salary of a software developer is Rs.70,000 per month. Determine the effort required to develop the software product, the nominal development time, and the staff cost to develop the product.

[2.5+2.5 Marks]

*** Best of Luck ***