



Introduction to Programming / MET 171

(Project)

Guidelines for Subjects having Project Work

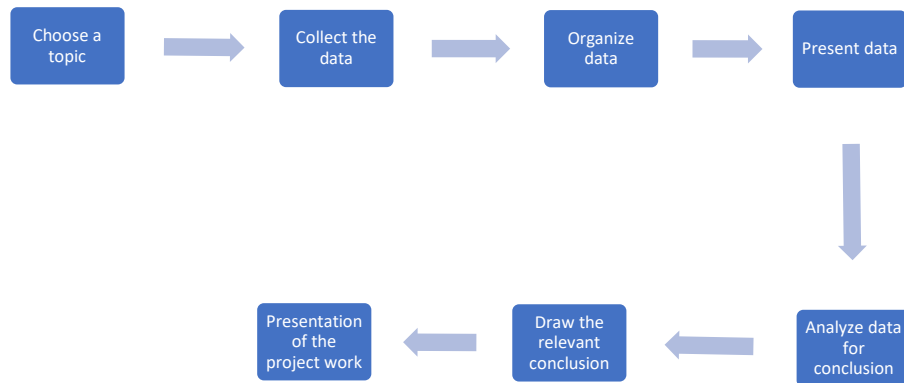
Total Marks – 20

1. The objectives of the project work are to enable learners to:

- Probe deeper into personal enquiry, initiate action and reflect on knowledge and skills, views etc. acquired during the course.
- Demonstrate the application of critical and creative thinking skills and abilities to produce an independent and extended piece of work
- Apply appropriate mathematical and computer-based methods for modeling and analyzing problems and select appropriate solutions for engineering problems based on analytical thinking
- Think in a creative and innovative way in problem solving and design using the latest technologies and solve engineering problems, often on the basis of limited and possibly contradicting information while identifying symptoms in problematic situations.
- Apply the knowledge of Visual Basic to create programs to solve Problems
- Use computational tools and packages pertaining to the marine discipline.

2. Steps involved in the conduct of the project:

- Students may work upon the following lines as a suggested flow chart:



- The project work could be presented in the form of Power Point Presentation and application show.
- Project Work has broadly the following phases: Initiation, Data Collection, Data Analysis, Design flow, Implementation, test, Conclusion.

The following points must be kept for consideration while assessing the Project Portfolios:

- Quality of content of the project
- Accuracy of information
- Adherence to the specified timeline
- Content in respect of (spellings, grammar, and punctuation)
- Clarity of thoughts and ideas
- Creativity
- Knowledge and experience gained

The framework for structuring the project report contains:

1. Data analysis and demonstrating problem (Introduction)
2. Design the solution
3. Implementation
4. Test
5. Conclusion