DEPARTMENT OF HUMANITIES AND MANAGEMENT

HUM 3051: Engineering Economics and Financial Management

FISAC 2 – Take Home Assignment

Self-Study Topics for the EEFM course and its corresponding references for reading materials. Based on these your TAKE HOME assignment is given.

Topic 1: Project Risk Management

Two PPTs under the title "Risks Management" and Risk Analysis are provided for supporting the reading of self-study topics.

The main reference books for the PPTs and for all the Self-study Topics are:

1. Park, C. S. (2007). *Contemporary engineering economics* (4th edition). **Chapter 12**, Upper Saddle River, NJ: Prentice Hall.
2. Hirschey, M. (1979). *Fundamentals of managerial economics*. **Chapter 14**, Mcgraw-Hill.

Topic 2: Financial Ratio Analysis

The PPTs for the chapter Preparing the Financial Statements and Ratio Analysis are provided.

The main reference books for the PPTs and for all the Self-study Topics are:

1. Chandra, P. (2017). *Fundamentals of financial management*. McGraw Hill Education.
2. NTPEL Video by Prof. A. K Sharma under the title "Ratio Analysis (Part 1)". [Online]: https://www.youtube.com/watch?v=y132ILD4Vvg&list=PLPjSqITyvDeUTeAOGhip_ubjN3y8oqT13&index=35 (Accessed 24/04/2023)
3. NTPEL Video by Prof. A. K. Sharma under the title "Ratio Analysis (Part 2)". [Online]: https://www.youtube.com/watch?v=5kXrk3xaBi8 (Accessed 24/04/2023)
4. NTPEL Video by Prof. A. K. Sharma under the title "Ratio Analysis (Part 3)". [Online]: https://www.youtube.com/watch?v=FCCJe2m3RKo (Accessed 24/04/2023)

Instructions for Take home assignment:

✓ The assignment must be written by hand on plain A4 paper, and neatness and presentation of the report earn points (marks).
✓ The assignment carries two components part 1 is a case study on project risks and part 2 is having three questions on ratio analysis. Each part has an equal weightage of marks and the total marks for the assignment is 05 marks.
✓ Because the topics in the assignment are significant and part of the syllabus, you will be getting questions on these topics in the semester examination.
✓ If you have any questions, please contact your course instructor.