Unit 9 - Week 8: Graphical Evaluation and Review Technique (GERT)

Assignment 08

Due: 2019-08-05, 23:59 IST.

Objectives:
1. Understand the concept and application of GERT in project management.
2. Learn how to construct and analyze GERT models.
3. Be able to interpret and evaluate GERT results for decision-making.

Instructions:
1. Define the problem statement based on the given scenario.
2. Construct the GERT model using structured data.
3. Analyze the GERT model to determine the critical path and project duration.
4. Identify the resources and tasks required for project completion.

Evaluation:
- 10% for the problem statement.
- 30% for the GERT model construction.
- 50% for the analysis and interpretation of the GERT results.

Submission:
- Submit the assignment as a PDF or Word document by the due date.
- Include a cover page with your name, student ID, and course details.

Penalties:
- Late submissions will be penalized 20% per day.
- No submissions will be accepted past the due date.

Questions:
1. What is the main advantage of using GERT in project management?
2. How does GERT differ from other project evaluation techniques like PERT?
3. What role do critical paths play in GERT analysis?
4. How can GERT be used to optimize project resources and tasks?

Grading Criteria:
- Understanding of the theoretical concepts.
- Ability to construct a GERT model accurately.
- Interpretation and analysis of GERT results for project optimization.

Resources:
- GERT basics and examples.
- Project management textbooks.
- Online resources and tutorials on GERT.