

GROUP WORK AND PRESENTATION III

ENIE 305

Credits: 1

Year : III

Part : I

Course Objectives:

The objective of this course is to strengthen students' research skills by familiarizing them with research methodology. The course emphasizes group research, enabling students to formulate problem statements, identify research gaps, define study objectives, conduct literature reviews, and apply research methods effectively. By the end of the course, students will be able to prepare structured reports and present their findings. Through teamwork and collaboration, the course fosters professional research and presentation skills, preparing students for real-world research and industry-based problem solving.

General Procedures:

Under the supervision of the course instructor, each group of 4-6 students will select a topic related with industrial engineering, with particular emphasis on supply chain considerations, economic and policy analysis, and entrepreneurship. Students will have opportunities to conduct field visits to collect relevant data and information. Each group will progress through key stages, including topic selection, field visits for data collection, report preparation, and final report submission and presentation of their findings. Throughout the course, the instructor will provide guidance and supervision to support students in achieving their objectives.

Practical

(15 hours)

1. **Topic selection and preparing study objectives:** Each group will select a relevant topic in consultation with the supervisor at the start of the term and submit a proposal within three weeks clearly mentioning problem statement, research gaps, study objectives, methodology and expected outcome. The proposal will be presented orally for 5 minutes, followed by 5 minutes for questions and answers, and will be evaluated for 5 marks.
2. **Mid-term progress report:** A mid-term progress report is required 2–3 weeks before the end of the term. Groups will present progress orally (15 minutes) to the subject instructor/evaluation committee, and will be evaluated for 5 marks.
3. **Final report submission:** The final written report, formatted as per departmental guidelines, should be submitted by the 12th week of the term. This report will be evaluated by the course instructor/examination committee, accounting for 5 marks.
4. **Final presentation:** An oral examination of the final report will take place during the 15th week of the term. This examination will involve the course instructor/examination committee. The final oral examination will account for 10 marks.