



Faculty of Electrical & Electronics Engineering
BEE3413 PPRINCIPLES OF COMMUNICATION SYSTEM

ASSIGNMENT

Mapping CO,PO : C03,P01,P05

CO 02: Apply the knowledge of communication theory and techniques in wireless and mobile communication systems

CO 05: Shows ability to communicate effectively.

PO 01: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems;

PO 09: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions;

You and your team (3 to 5 members per team) are required to design and build a simple AM transmitter and/or receiver. You need to do the following:

- Investigate how AM transmitter and receiver operates.
- Design block and circuit diagram
- Determine the operating frequencies, bandwidth, AM equation and transmit power
- Develop and test the AM radio
- Make sure your am radio is unique – different from other groups/sections

You are required to prepare a presentation and complete report that provides the all of the information on the AM system. Your presentation and report should include at least following contents.

1. Title page
2. Introduction
3. Objectives
4. Methodology: block diagram, circuit diagram
5. Results
6. Conclusion
7. Recommendations / future enhancements
8. Reference

Due date for presentation ad report submission is on week 14 (please refer to your lecturer for exact date)