Ryerson University

Department of Electrical and Computer Engineering
EE 8107 - Digital Communications
Instructor: Dr. A. Anpalagan

Project Proposal & Approval Form

1. Your Name:

2. Email Address:

3. Project Title:

4. Brief Project Description:

5. References:

    (a)

    (b)

    (c)

Approved by: Date:

The final project report is due on the final exam day.

Project Contd.

Students are encouraged to propose their own project. The project can include one or more of the following:

1. critical review of a major article (e.g, from journal papers or magazines)

2. evaluation of two methods proposed in two different papers

3. further development/analysis of an existing approach/idea

4. novel approach/technique, analysis or algorithm

Your project must include literature review from <u>at least</u> one journal or magazine article. Some suggested journals / magazines are:

1. IEEE Journal of Selected Areas of Communications

2. IEEE Transactions on Vehicular Technology

3. IEEE Transactions on Wireless Communications

4. IEEE Communications Magazine

5. IEEE Personal Communications Magazine

6. Other journal publications from IEE, IEICE etc.

It is suggested that you refer to materials listed in the references of your chosen paper to gain comprehensive understanding of the topic of interest. Also use the bibliographical notes and references given in the text book for additional materials. Sample topics include:

- Minimum shift keying or Viterbi decoder or Rake receiver

- Green cellular communications

- Machine-to-machine communication

- High definition television implementation methods

- Modulation schemes and their performance

- Multi-user detection: concepts and techniques

The final report should not exceed 20 pages including figures and references. Report should be typed and well written. The report is worth 20% of the final mark and is is due on the day of the final exam.