Problem Set 4 Due 11/15/2004 Send to ati@ccs.neu.edu, with CC to noubir@ccs.neu.edu

- 1. Implement AES for 128 bit key length.
- 2. Provide an API for AES-CBC and AES-ECB modes.
- 3. Minimize the cost of computation by using 4-precomputed tables of 256 entries. State if your optimization works for an 8 bit processor or a 32 bit processor.

Note:

- 1. Provide a readme file that allows the TA to run your program easily.
- 2. For testing purpose you can use the following link to obtain some test vectors: http://csrc.nist.gov/CryptoToolkit/aes/rijndael/.
- 3. There are many implementations available on the web, however you have to make your own.