COMMUNICATION THEORY – ITS RELVANCE TO INFORMATION TECHNOLOGY

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Algebraic coding theory, a branch of information and communication theory deals mainly with the design and analysis of error correcting codes. Communication of information from one place to another in a very short period of time can be effectively carried out with the help of powerful codes which can both detect and correct complicated error patterns. The process of information technology can be broadly classified under four heads -

1. Education – Information about research,
2. Medical Science Information about medicine,
3. Business and
4. Media and communication.

We get enough information about education and research from other countries, though we have not contributed anything towards it. In case of medical sciences also we are only receivers but in case of information about media we many a times make ourselves an object of ridicule and criticism, for
example the information of putting sacred thread to a bull for his family welfare when published in a daily over the internet will certainly mar the repute of our nation that too in this IT-age. Thus while processing information that too over the internet we have to be very careful.