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ROLL NO :	ELP16006
DATE OF JOINING :	18 January 2016
NAME OF SUPERVISOR :	Professor Bhabesh Deka
LABORATORY :	Intelligent Imaging and Vision Research Laboratory
AREA OF RESEARCH :	Biomedical Signal Processing
TITLE :	Joint Compressed Sensing based Multi-Channel ECG Data Compression
SUMMARY :	In wireless body area network (WBAN)-based real-time MEEG telemonitoring systems, acquiring signals at high compression ratios is an effective way to improve the energy efficiency and the lifetime of the network. This research proposes different joint compressed sensing based techniques of multichannel ECG compression and reconstruction for energy efficient WBAN applications.
EXPERIMENTAL SET-UP :	System: HP PC having Intel i7 core CPU processor, 3.40GHz and 10GB of RAM, GPU Tool: MATLAB Software: LATEX, TpX