NAME: HELAL UDDIN MULLAH		
ROLL NO	:	ELP15103
DATE OF JOINING	:	24-July-2015
SUPERVISOR	:	Prof: Bhabesh Deka
LABORATORY	:	Intelligent Imaging and Vision Research Laboratory **(I²VRL)**
AREA OF RESEARCH	:	Image Processing/Computer Vision
TITLE/TOPIC	:	Image Super-resolution for Remote Sensing Applications
SUMMARY	:	This research basically focuses on the development of state-of-the-art image super-resolution algorithms for multispectral remote sensing images based on sparse representation techniques. GPGPU based parallel processing methods are also explored to achieve speed-up in the algorithm and finally results obtained are applied to different remote sensing applications for real-world evaluation.
Experimental Setup	:	**Systems:** GPU enabled high-end workstation, Intel Xeon GPGPU Server **Tools:** MATLAB, OpenCV, CUDA, Anaconda, Visual Studio **Software:** QGIS, ENVI, LaTEX, TpX