Anumod PG

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Area of work and Research Interests

Analog & Digital circuit development

Wireless communication

Academic Qualifications:

B.Tech in Electronics and Communication Engineering

Diploma in Electronics and Communication Engineering

Major Works completed:

- ▶ Designed and developed Data acquisition & control receiver, USB-based data acquisition software for SPL in-house developed instrument '*Compact Airglow Photometer*' (CAP).

- ▶ Generated schematic for the Onboard System for MENCA Operation and Telecommand (OSMOT) of MENCA payload for *Mars Orbiter Mission*.

- ▶ Developed the schematics and layouts for Mass Spectrometer Data Acquisition and Telemetry interface (MSCDAT) and linear power regulator (LPR) for *Sooryagrahan 2010* rocket experiments.

- ▶ Designed and developed a Lab VIEW based PC interface software for *Monochromator* (McPherson 2051). Developed a fully integrated automatic acquisition and control unit for Monochromator for use in the Optical Aeronomy Lab.

- ▶ Designed and developed data acquisition and control software for *Multi Wavelength Day glow Photometer (MWDPM)*

- Designed and developed remote data retrieve software for Day glow photometer this is used to see and download old and live data remotely over the network.
- Designed and developed calibration software for the optical alignment, this software automatically generates intensity profile of the Day Glow Photometer data.

- Designed and developed Data acquisition and control system for *Portable Nighttime photometer*.
  - Designed and developed USB based GUI data acquisition and control software for the same.
- Designed and developed data acquisition and control software for *Automatic Weather Station*, this software automatically draw the weather graph and save the one day weather plot at every midnight.
- Designed and developed *Inclinometer interfacing software* for South West Tropical Indian Ocean Ship campaign using Lab View 8.2.

Publications:

- © 'PORTABLE NIGHTTIME PHOTOMETER DATA ACQUISITION & CONTROL SYSTEM'. Technical Report : ISRO-VSSC-TR-0019-0-2014
- © 'WINDOWS BASED GUI DATA ACQUISITION SYSTEM FOR DAY GLOW PHOTOMETER'. Technical Report : ISRO-VSSC-TR-0372-0-2012
- © 'MONOCHROMATOR AUTO SCANNING DATA ACQUISITION AND CONTROL SYSTEM'. Technical Report 2012
- © 'AUTOMATIC WEATHER STATION DATA ACQUISITION SYSTEM'. Technical Report 2011
- © Gate test document about SOORYAGRAHAN 2010 ROCKET EXPERIMENTS. Technical Report 2009
- © EACE payload check out software document 'PRABHAV'. Technical Report 2009