CURRICULUM VITAE

CAREER OBJECTIVE:

      To gain expertise and build a strong research career in the frontier areas of fast computing, Remote Sensing and apply the same in high end research in order to develop futuristic applications in Meteorology.

AREAS OF INTEREST:
- Earth Sciences.
- Signal Processing Techniques
- Remote Sensing and Radars
- Climate Sciences

EDUCATION QUALIFICATIONS:

S.NO.	EDUCATION	BOARD/UNIVERSITY	SCHOOL/COLLEGE	%	YEAR OF PASSING
1.	M.Tech (Space Technology)	SVU	SVU	80	2012
2.	B.Tech (ECE)	JNTU-Anantapur	SITAMS.	63	2009
3.	Intermediate	Board of inter	Sri Venkateswara Junior College.	93	2005
4	X Standard	SSC	PCR Government High School.	87	2003

Masters Project:

- Title: Processing of POLAR Orbiting Satellite Remote Sensing data for Meteorological Operational use.
- Place : **INDIAN METEOROLOGICAL DEPARTMENT**, Chennai
- Guide: Dr R SURESH (Scientist 'F'), Director, IMD, Chennai
- Duration: 11 months (August 2011 to July 2012)
- Description: I have downloaded the RAW data of Different profiles Temperature, Humidity, Atmospheric Profiles and analyzed through MATLAB software by getting respective image pixels according to the Indian Lat, Long grid levels. By the help of NOAA satellite data processing of detection of FOG is handled. My work is also carried on Cyclone "THANE" on the dates between 27 to 30 December 2011 by downloading the profiles of Temperature and humidity (from IMD Website).

Bachelors Project:

- Title: Ultra Low Power Wireless Weather Station
- Place: **Blue Chip Technologies**, Chennai
- Guide: Dr S Meena Kumari, Associate Professor, Sitams
- Duration: 3 months
- Description: We present the design of tiny and low cost wireless weather station to measure accurate Temperature, Relative Humidity, light intensity, Atmospheric Pressure. These are direct climate variables and others indirectly attainable like Dew-point and wind chill. Wireless Sensor Networks (WSNs) based on IEEE 802.15.4 have been designed for very low power and the low voltage applied at low effective data rate.
- Applications: Tourism and Agricultural applications on the weather forecast, Local administration like city halls and companies like beach hotels, Animal environment analysis and earth environmental analysis.

RESEARCH EXPERIENCE

- o Worked as a Junior Data Assistant at Sri Venkateswara University **METEOR RADAR** Lab from April 2014 – April 2019

- o Worked as Project JRF in **MSTRADAR** Section at **National Atmospheric Research Laboratory** from Nov 2012 – NOV 2013

COMPUTER PROFICIENCY:

- Operating System – Windows 98/XP/VISTA, Linux Redhat

- C and Proficient in " Adobe Photoshop "

- MATLAB

- PYTHON

ACADEMIC ACHIEVEMENTS

- GATE-2010 , GRE-2012, Qualified,

- Batch Rank: 2 of a class of 14 in Masters
  12 of a class of 220 in Intermediate
  6 of a 120 in SSC

- Merit Scholarship Award from **Sri Venkateswara University** for best Academic Performance in the Department of Physics for the year 2011-2012.

- Got **PhD** Fall - 2013 admission from **University of Florida** in the department of Electrical and Computer Engineering **ECE**.

- Participated in WINTER SCHOOL of **RemAtSpace-2013** at University of Calcutta.

- Attended International Workshop on Greenhouse Gases Measurements from Space **IWGGMS -16**, 17 conducted by **EUMETSAT** & **NASA**.

- Qualified in **CIVILS – Preliminary** Examination in the year of 2021 and Appeared for **CIVILS** – **Mains** Examinations recently.

MEMBERSHIP:

- IEEE from 2009 to till date

DECLARATION:

I hereby declare that all of the above information provided by me is correct and up to date to the best of my knowledge. I bear the responsibility for any wrong or incorrect data provided by me.

Place:

Date

K.Krishna Kanth