

Dear Sir/Madam,

*I hold **M.Tech** degree in **Space Technology & Its Applications** from the **Sri Venkateswara University** and I would like to apply for the **Doctoral Studies** at **IIT Kharagpur**. I have decided to apply for this because I am sure it would strongly enrich my future career. Moreover, I consider this programme as great opportunity to get in touch with **IIT** culture and educational system. Also finished my Under-graduation (**B.Tech**) course in the specialization of **Electronics and Communication** engineering which learns on core domain subjects of '**Embedded Systems**' & '**Computer Networks**'.*

*. My academic background focused on environmental geology, GIS, climate dynamics, and oceanography. I am particularly interested in studying the challenging subject of climate change and its impacts on Earth's surface. Global temperatures are predicted to rise according to climatic simulations based on current carbon dioxide measurements. Because the Atmosphere climate has been gradually changing time to time and most of the models have been established to predict the climate conditions and I hope that soon I will bring my contribution in this area. I also believe that my work experience in Climate modelling and analysing upper atmosphere dynamics represents an advantage to study more on **Earth Sciences**.*

*I have chosen to apply for **IIT Kharagpur** because I really like its module system of study and world class facilities for to study deeply on **Environmental Sciences**. I specially appreciated the wide range of research modules and the freedom in making the study plan. The university will provide me a great opportunity to interact with a broader pool that is rich not only in scientific leadership and talents, but also in terms of gender, ethnic, and cultural equality that will enable me to acquire knowledge and develop long-term collaborations and life lasting friendships beyond academia. I am confident that I can contribute to the world-changing research, and I will be honored to be a graduate student of the **IIT Kharagpur**.*

*From practical experience, and study, I have knowledge in climate research area that I have been worked for two years in **NATIONAL ATMOSPHERIC RESEARCH LABORATORY** as **Project Junior Researcher**. The second I worked as Junior Data Assistant in METEOR RADAR lab at Sri venkateswara University.*

*During my employment, I have thoroughly developed my skills in **GIS** (Geographic Information System) programming, analyzing data and in the techniques of design. This includes data-gathering techniques, spatial analysis and using MATLAB, Python and applying quantitative methods on a regular and even daily basis. I have also been given resource and project management responsibilities. I was involved in analyzing the snapshots of various weather conditions at different places, examine the effects of atmospheric changes in the environment, weather forecasting and determine the **amount of radioactive aerosols** in the atmosphere. I have been engaged in studying the data generated or received from **remote sensing** equipment thereby producing weather information that is used for weather forecasting and as a future reference for scientists.*

*On the faculty I was a good student, I completed my graduation in Electronics and Communication engineering with first class and in my master's stand on the **2nd** place (from approximately 14 students) in University Department of Physics. My master these name was "**Processing of Polar Orbiting Satellite Remote Sensing Data for Meteorological Applications**" worked under the direction of Scientist Dr. **R.SURESH** Director of **Indian Meteorological Department**.*

In regard to my extracurricular activities, I like playing Cricket, Chess, Badminton and travelling. I appreciate the value of the insistence, ambition and team spirit. I have learnt the commitment is necessary for success as an individual and how to work as a team member.

Thank you for considering my application, and I look forward to your favorable reply.

*Yours Sincerely,
K KRISHNAKANTH*