

## Statement of Purpose.

My name is Charles Lado Daniel (28Yrs old) a South Sudanese, I went to school in my village under a big tree canopy writing on floor as notebooks were rare to get those days. Thanks to UNICEF for providing us with notebooks a year later after starting studies. I managed to maintain my score although not consistent due to twists of life, working to sponsor my studies.

It is my belief and optimism that perseverance and persistent hard work is the most important key to success. I learned this belief from my own experience. Years ago, while I was preparing for the secondary school certificate examination, I faced a steep challenge to finance my education and family responsibility simultaneously, yet with strong will and perseverance, I overcame the pains and kept study hard, and secured my secondary school certificate.

That experience will live in my memory for my whole life. Now I have completed my undergraduate program in Electronics and Instrumentation from the University of Juba. And started as Teaching Assistant and later permanently employed as an electronic laboratory technician at the University of Juba.

Just like many other people, I have had a dream about science since my childhood. It is this dream that has made me interested in Electronics and Instrumentation, and I choose the Electronics and Instrumentation Department of the University of and make Electronics and Communication my life goal. To me, five years' study is much like a spiritual journey into the magnificent palace of Electronics and enjoying its wonders by taking every step.

From Mechanics, Electrodynamics to semiconductor physics, electric circuits, electronic circuits and again Quantum Mechanics, Networking, Experts system, Programming languages, software engineering, control systems and medical physics, I realize the ever-deepening process of human understanding of nature and technology; meanwhile I cannot help marvel at nature's beauty of simplicity and harmony of the application of these courses.

During this journey, I have acquired the fundamental knowledge about physics and developed basic physics experimental abilities and physical thinking. And the application of physics in Electronics had been pivotal to my deepest understanding of the real innovative technology ideas of tangible communication systems we use in every second of our life.

I was left in awe as Automated devices with bright lights, 3D images, robotic devices for surgery, assist devices for patients and in manufacturing industry had revolutionized over the sci-fi fantasies in my dummy time. Then I was completely muted when I slowly understood the magic of physics principles behind the operation of these devices. Electronics became the central subject in understanding the whole idea.

Then I came to realize that without communication, all the wonders that happened in innovative technology can't go anywhere. It's this gap that raised my eye brows to pursue a postgraduate program in Electronics and Communication Engineering. I felt that my country South Sudan had

been lagging behind this technology especially our airspace being controlled by the neighboring country of Sudan and in inadequate responsibilities of the National Communication Authority to control the gateway system of our country.

My tentative research interest is in SENSORS, The current industrial technologies are moving from automatic industrial processes to autonomy. When awarded this scholarship, I would engage much with the world class supervisors and identify a suitable project that suits the research areas of the University and myself provided that it's within the scope of my research interest.

Upon completion of this program I would be in a better position to strengthen the National Communication Authority and as an employee of an academic institution, I would be able to strengthen the undergraduate program in ELECTRONICS AND INSTRUMENTATION of the department of Physics, School of Applied and Industrial Science, University of Juba in Teaching pedagogy and Industrial technologies innovations for the University and my country South Sudan which is way behind the current world ranking communication technology as well as the African continent at large.

I stand strongly that INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR offers the perfect blend of courses so that it could be a rigid foundation on which the zenith of my career may lie. With a burning desire to learn more and venture ahead in my favorite field, I apply for the graduate program in ELECTRONICS AND COMMUNICATION that may ultimately stretch my passion of becoming an electronic and Communication Engineer.

I am the person you are looking for to strengthen the Communication system and strong relationship between India and South Sudan through research programs in Electronics and Communication innovation in Africa and South Sudan in particular. And again IIT-KHARAGPUR is my next destination to accomplish my mission in ending Communication barrier in Africa and South Sudan in particular through PhD program. In science I believe everything is possible if and only if you want to see change.

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