**To** :-

In Charge Training,

Airport Authority of India,

Jaipur, Rajasthan

**Date**:- 24/03/2014

Sir,

Subject:- **Application for Summer Internship**

Working with electronic devices and their various modified applications have always fascinated me and formed me to presume my career in the field of Electrical and Electronics engineering. Presently I am enrolled as a 4th semester B. Tech student in National institute of technology Karnataka, Surathkal which has provided me various opportunities to study, understand and successfully apply myself in various projects. I have prior knowledge and experience in fields like signal and image processing, microcontroller applications, microprocessors, transformers, induction machines, DC machines, power electronic devices and data structures. I have worked for a variety of projects such as face recognition, microcontroller-controlled robots and robotic arms using multidirectional stepper motors. My last project was basically designing a 3D POV display, which was a part of the Computer society of India, NITK Surathkal chapter. I am currently working on infrared tracking system using rotating TSOP's (series 17xx) and IR LED’s (Infrared) and the project's final goal is to design an infrared pen that can be interfaced with a computer and which can directly draw on a display screen without the use of any image processing application.

I further wish to extend my knowledge in fields like advanced communication systems and their management and thus gain some further experience and knowledge. And that is why I wish to apply for a summer internship during the span of **May-July, 2014** under your guidance. I would really feel glad to listen up a positive reply from you regarding the same subject.

Thanking you in anticipation,

Yours sincerely,

(Parijat Purohit)