Research Study Plan

Name of Applicant: Miss Yin Minn Pa Pa

1. Interested Subject

I am interested in the research topic of "GMPLS- controlled next- generation Wide Area Layer-2 Network''. I want to study and make research on this area at Yamanaka Lab of Keio University.

2. Why do I want to make research on this area?

Nowadays, Internet is booming day by day all over the world and there are about 1.6 billion internet users around the world by the statistic of America based research team in March, 2009 .The research team also found that due to the unequal ratio of bandwidth provided and number of increasing users, we will face problem of delaying in internet in coming years. Moreover, in the next generation, network will need high speed video streams and content delivery service including movies, music, and business data. That is why the excellent network system that has high-speed, high capacity and high reliability is essential for us now.

On the other hand , our country ,the union of Myanmar ,is a developing country and we are now setting up network infrastructure for the implementation of e-Government ,e-Commerce and e-Learning systems . Naypyitaw City, where all the government ministries of Myanmar are located ,has high speed fiber ring cable connected to all the ministries of Myanmar and high speed broadband internet access is available in most of the states and divisions of our country. However, comparing with other ASEAN countries, the teledensity of Myanmar is under 1% including mobile telephony and the number of internet user is negligible. But we are now trying best setting up goals for future ICT development in our country.I would like to take part in striving ICT development of Myanmar. Moreover, to meet the needs of Myanmar ICT master plan and action plans, our country requires adequate network infrastructure for ICT and high-tech personnel.

To fill the needs   not only for our country but also for the development of mankind, I would like to take part in next generation network backbone technologies research of Keio University. To achieve super Hi-speed Network Architecture, I believe that GMPLS controlled next generation layer-2 network which employs photonic network technologies will play a vital role for better development of internet technologies .That is why I would like to focus on new approach of the standardization of GMPLS-controlled Layer-2 network with effective experiments.

3.My plan at Keio University

As a Master student of International Graduate Program offered in English, I would like to start my first step to fulfil the burning desire of my life. My goal in life is to devote myself heart and soul in studying and making research on networking technologies to achieve excellent ultra high speed communication system for the development of human society.

I choose to study in Japan because of its relatively high and leading technologies in Information Communication Technology and its scholarships to international students. After I have finished my research for Master Degree ,I will always keep on studying throughout my life for better development of information communication technologies. The following is my short propose study plan at Keio University. After receiving admission to university , I must update my study plan in order to achieve the best result of my research.

First Year Plan :   :I will try my best in all lecture courses advised by my supervisor. I must focus reading and studying on backbone network technologies and protocols to achieve strong background and experiments on the IP and photonic network. I will study basic principles, architecture , system and protocol of networking in detail .

In each lecture course, I will study with keen interest and make revision and exercises regularly. Moreover ,as a Master Student , it is vital to study materials that is beyond the specific courses that one attends. I will continue to keep up with the research area by reading relevant articles and latest publications. On the other hand, I will carry on studying Japanese culture ,speaking and writing .I believe myself that after my first year coursework study at Keio University ,it will be technically rather energetic for me to carry on my research thesis .

Second Year Plan: :For my research thesis, I will work with modularity ,abstraction and refinement issues in collaboration with my academic advisor. I will set milestones for each module of my research area .Detail time schedule will be set as soon as I start second year at Keio University for my research. Many independent studies concerning with my research area will be made throughout this year. After finishing each portion of my research, I will try to verify its effectiveness by implementation experiments. Finally, I will submit my thesis.