

1. In relation to your academic interest and personal experiences, please describe your motivation for your desired course. You may include information related to your preparation for the course and related academic achievements. Please state your goals while studying at Seoul National University as well as your study plan (4000 bytes limit).

As the population and the standard of living have changed dramatically over the past centuries, the need for substantial amount of energy has been required to support human lives. To meet this demand, different sources and types of energy have been discovered and used from woods and fossil fuels to nuclear energy over the past centuries.

I have numerous reasons to apply for energy resources engineering. First of all, my major goal is to develop a novel type of energy which would be highly efficient and eco-friendly at the same time, so that we secure the prosperity of humankind and save Earth from various pollutions. Research has shown that fossil fuels are the most popular energy resource as they cover 80.6% of total world energy consumption by source. However, usage of fossil fuel causes greenhouse effect and scientists have predicted that the fossil fuels will disappear from Earth by 2060, if we continue to consume them at the current rate. Therefore, an alternative form of energy source is urgently needed which is not only greatly efficient but also results in minimal pollution. I believe that I will be able to achieve this by acquiring the wide and valuable knowledge from energy resource engineering and deliver enormous advantages to the society.

In addition, possession of natural resources contributes significantly to the country's economic development. For instance, there are several types of natural resources which are abundant in Malaysia, the country that I currently live in, such as rubber, petroleum oil, natural gas, palm oil and tin. Personally, I believe that the cost of living here is low because the abundance of natural resource has resulted in reduced cost of fuel, food, transportation and electricity. These natural resources also contribute to almost half of her export. Although Malaysia's GNP is rather low compared to the common MEDCs, Malaysia has a high chance of **revolutionary** economic development due to the presence of vast amount of natural resources within the country. (what does this part got to do with the questions above?)

In order to become a successful energy engineer, I am fully aware that I have to invest lots of my time and effort. It is definitely not an easy task to be achieved, but I believe that if I be given a chance to study in such a prestigious Seoul University, I have the potential to excel. First of all, I am an exceptionally diligent student who never tends to give up on any work I have been assigned to do. I also do not fear taking any challenging roles as well as plan things in depth beforehand to assure a successful outcome. For example, I managed to obtain top grades in science and mathematics for my AS Level, SAT Subject Tests and IGCSEs. Although my keen area of interests and studies was science, I managed to obtain A grades in ICT and accounting for my IGCSEs. Furthermore, I was awarded academic excellence both in my high school and college. Lastly, I have maintained a good

relationship with my lecturers and also with my classmates throughout to work as a team in order to generate synergy effect in any field of work we do.

I have made various plans to be prepared to study in Seoul National University. Firstly, I would like to improve my understanding of current affairs in Korea and other studies related with Korea such as Korean language, history, culture and geography. Since I have been an expatriate for more than 12 years, I have limited understanding of Korean studies. Therefore, I am planning to visit cultural and historical heritage sites and naturally obtain facts about Korean history and geography. Also, although I was able to achieve in both academics and extra-curricular activities I am clearly aware that I may lack other skills compared to the local Korean students. This may be due to the difference between the syllabus covered in school overseas countries and Korea. So, I am planning to go to such academies or begin self-studying to learn some knowledge relevant to the course I want to study such as further mathematics and will continue to do so even after the academic semester in university begin.

(Research more of Seoul National University's engineering department, how are their courses like, and what they offer. Research and use them in your writing that you need those in order to put the wings on your shoulder to fly, as well as showing them that you have the passion to be there.)

2. Please briefly state your academic and extracurricular activities(4000 bytes limit).

Firstly, I had 2 weeks of experiences to work in a company producing additives for biodegradable plastic products. I realized that we must be meticulous and it is not easy to minimize pollution as producing a small quantity of these chemicals require many sophisticated machines.

Secondly, I had participated in some worldwide science and mathematics competition. For instance, I came 2nd in Sri Lanka for International Mathematics Olympiad and earned credit for both science and mathematics in 2012 University of New South Wales International Competitions and Assessments for Schools.

Furthermore, in UCSI University, there is a club called "Will Group" in which senior students volunteer to help junior students in their academics. I was a mentor for A Level Chemistry as this area was one of my strongest and confident subjects.

Lastly, in CIE AS Level, one of the three papers in the examination in sciences involves advanced practical skills. Therefore, while studying A-Levels in UCSI A-Level Academy, we had at least one lesson in the laboratories for chemistry, biology and physics. I enjoy each laboratory practical sessions because results are always unexpected which just increases my curiosity and motivates me to research about the respective topics further.

Outside school, I enjoy and actively participate in extra-curricular activities, mainly football, Model United Nations (MUN) and voluntary works. To start with, I have played football since

the age of six and I have been a member of school's football club or squads. Unfortunately, there was no football team in my high school, so I played football in an academy or a local community. I have an experience of participating in numerous national and inter-school tournaments and have been awarded several medals and awards such as the most valuable player. Also I coached primary school students in Korean Football Academy in Malaysia.

Secondly, I was interested in debates from young age. For instance, I was a member of my school debating club. Therefore, I naturally approached the Model United Nations (MUN). MUN is a simulation of UN conferences where students become representatives of countries and express their opinions and knowledge regarding global issues such as climate change or terrorism. For example, students work together to produce a high quality resolution papers containing the suggested solutions on a specific issue. Such committees that I participated include Security Council and Human Rights Council. It is organized by a lot of local international schools annually. I always wanted to attend such Model United Nations from young age but both of my schools in Malaysia did not have MUN clubs. I had a chance to attend my first conference in mid-2014 when my friend informed me of it. So far I have participated in 5 conferences and managed to win an award for the "Most Diplomatic Delegate." I expect to actively participate in conferences held in future wherever and whenever.

Lastly, I have been involved in different types of voluntary works. For example, organizing and conducting events such as sports and parties in local community or organizations and helping in orphanage and refugee schools. It was done mostly on holidays as I had to work and help all day long. One of the most memorable community services was teaching in a refugee school nearby my home. It was school constructed and opened for the Afghan refugees whom were aged from 7 to 19. As the literacy rate in Afghanistan is very low, the students lacked the skills in mathematics and science and they were unable to speak fluent English. I volunteered to help the preparation of an event in the school and the renovation of the school to construct a library. Furthermore, I taught the children mathematics, science and sports. My voluntary works at this school was conducted regularly for a month during the semester holidays.

3. Please write about yourself with regard to your characteristics other than your record of academic achievement. This section is provided to illustrate the personal aspects of each applicant. The following contents may be included in this section, though this section is not limited to them; experiences which have been influential in your life, individual perspectives on current issues, or role models or figures you respect. (4000 bytes limit).

Unequivocally, the most inspiring person in my life was none other than my father. Firstly, he himself is an extremely diligent person who is never afraid of any new challenges. He has managed to succeed in his career even though he had many difficulties to tackle. While running a factory in Bangladesh, some of the things he had to overcome were hygiene, infrastructure, climate and living standards which were terribly low. However, because his business had succeeded, he was capable of allowing the rest of the family and me to live comfortably and

happily in Malaysia. I have received a proper education and relished high standards of living thanks to his ever unyielding spirit. He had shown me how to live this world as a father and a mentor. Also, my father himself was a very independent student. He never relied on anyone when he was undergoing difficult circumstances. For instance, he was responsible for his own university life. He did several part time jobs at places like construction sites and restaurants, so that he could earn to pay for his tuition and dormitory fees. He did not receive much assistance from his parents or anyone else to achieve his goals. He had taught me through his action, not merely by his words. Last but not least, he is always there to support me and motivate me to do what I really want to do. I once received a horrible grade for my semester exams in Year 8. Normally, my father never interferes nor comments with my academics but he seemed grim and disappointed at that time. He scolded me by saying, “Your results are worthless,” but ended by comforting me, and telling me that I have the potential to become what I truly wish to be. From that moment, I decided to change my mind and started to focus on my academics even harder putting a lot of effort. Undoubtedly, my achievements in academics would not have been possible without his support and guidance.