re-structuring
your brain
to discover
engineer in you

prospectus
2011/12
Message from the Vice Chancellor

The present situation of the nation necessitates production of qualified technical human resources. It is more relevant in the context of nation rebuilding process that started after the end of internal conflict which engaged us for about a decade.

It is a fact that undeterred national development can only be assured with continual supply of technical professionals. This task of producing qualified technocrats has many challenges of its own. Amongst many, there is a need of competent professionals committed to taking education to the masses and endorse the objectives of producing manpower that can not only steer but also add impetus to the development process.

In this context, it is encouraging to know that Sagarmatha Engineering College, in affiliation with Tribhuvan University, has joined the endeavor of producing qualified professionals through the delivery of Engineering education. We know while there are challenges ahead, there definitely is huge potential. I am keen to see Sagarmatha soar while it continues in its journey of reaching excellence. I wish Sagarmatha a success.

Prof. Dr. Hira Bahadur Maharjan
Vice Chancellor
Tribhuvan University
Message from the Chairman

Welcome to the world of engineering at the Sagarmatha Engineering College. We all know that Engineers are creators, designers; innovators and problem solvers. Most importantly, Engineers help to provide a more technologically advanced, cleaner and safer world. Time and again Engineers have proven themselves to be the messiah of transformation; from the stage of naivety to the stage of sophistication.

However, the development that we much pride on has come at a price. It has been directly responsible in disfiguring the earth and disturbing its balance. The exponential growth in population has created mounting demands on energy, food, land and water. It has overwhelmed the transportation system, waste disposal, health care, telecommunications, and other infrastructures. It has brought in new challenges and the world is yet again looking up to the engineers to come up with solutions. Building a sustainable world has become a responsibility of engineers in addition to continually contributing towards development.

The market today is looking for engineers ready to take up these new challenges head on. Sagarmatha is prepared to creating engineering graduates who can make great contributions in this demanding environment, educated in engineering fundamentals as well as the emerging technologies.

Er. Sagar Gnawali
Chairman
Sagarmatha Engineering College
Sagarmatha College of Science & Technology

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Institute of Engineering (IOE) is a premier center for engineering education in the country and dedicated to produce capable and competent engineering human resources.

Dr. (Er.) Bharat Pahari
Dean
Institute of Engineering
Tribhuvan University

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Message from the Dean

Nepal witnessed political transformation in the country and the transition is underway. It’s time now to move forward in the economical and social transformation. This is possible only with massive development of the infrastructures and building core competence areas, so that Nepal can create wealth of nation, eventually achieving prosperity of the people.

Institute of Engineering (IOE) is a premier center for engineering education in the country and dedicated to produce capable and competent engineering human resources and thus contributing to the economic growth of Nepal in all sense. IOE is serious in achieving quality engineering education through its constituents and affiliated colleges.

Being one of the affiliated college of IOE, we believe Sagarmatha Engineering College shall carry over this mission of IOE eventually contributing to the national development process.

I wish success to Sagarmatha Engineering College in its endeavors in the direction of attaining quality.

Dr. (Er.) Bharat Pahari
Dean
Institute of Engineering
Tribhuvan University

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We at Sagarmatha will be closely following your journey to success. Best wishes.

Er. Sagar Gnawali
Chairman
Sagarmatha Engineering College
Sagarmatha College of Science & Technology
Message from the Principal

It gives me a great pleasure to welcome all of you as the principal of this college. The notion that ‘engineers are job creators and not consumers’ has not quite been a reality in our society. We always point at the problem of inability of our structure to assimilate the engineering graduates, but we merely throw our attention towards the inability of our engineers to assimilate other job seekers. We believe that this ambiguity needs to be addressed and hence, we aspire to make our engineers the front runners in the society.

To our prospective students let me start by saying, “Your future awaits you at Sagarmatha Engineering College”. This is an opportunity to be a part of the institution adorned with experienced hands that is ready to take you to the apogee of success. We define success of any individual as his all-round development in synchronism with improvement of the socio-economic conditions in which he/she resides. Thus we endeavor to see our graduates not only become engineers but also successful socio-technocratic leaders.

We believe that research is an integral part of any technical studies. In fact, these researches in universities and colleges shape the direction of the society. We at Sagarmatha are committed to providing researching facilities to our staff/students through the Research & Development Unit.

The stage is set for us to break the ground in engineering education and you are joining us in this venture. We welcome you as the characters of the success story of ‘Sagarmatha’ as it unfolds.

Ramesh Shrestha
Principal
Sagarmatha Engineering College
Sagarmatha College of Science & Technology
BOARD OF DIRECTORS

Er. Sagar Gnawali  
Chairman

Er. Ramesh Shrestha  
Member Secretary

Dr. Surya Kant Kalauni  
Member

Mr. Kishor Kumar Chalise  
Member

Mr. Puskar Raj Pokharel  
Member

Mr. Ramesh Gautam  
Member

Mr. Badri Nath Baral  
Member

Mr. Ramesh Gautam  
Chief, Administration

Er. Ramesh Shrestha  
Principal

Er. Dil Bahadur Chhetri  
Chief, Academic  
Head, E & C Engineering Department

Mr. Chaturbhuji B. Nepali  
Admin and Account Officer

Mr. Hom Bahadur Baniya  
Member

Mrs. Mandira Chalise  
Librarian

MANAGEMENT COMMITTEE

Er. Ramesh Shrestha  
Principal

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Chief, Administration

Er. Dil Bahadur Chhetri  
Chief, Academic  
Head, E & C Engineering Department

Er. Pujan Raj Regmi  
Head  
Civil Engineering Department

Mr. Chaturbhuji B. Nepali  
Admin and Account Officer

Mrs. Mandira Chalise  
Librarian
Mission
To impart world class education and produce internationally competent engineers with enterprising spirit

Vision
To be the leader in Engineering Education

Objectives
While imparting education is our passion, our values lie in qualification of knowledge over quantification. We aspire to produce competent, knowledgeable and innovative social entrepreneurs, who are ready to deal with problems and are willing to take up new challenges.
Introduction

In affiliation with Tribhuvan University, Sagarmatha Engineering College was established in year 2010 by a group of professionals dedicated to excellence in engineering education with the view to providing quality education in engineering. Currently, it is conducting two bachelor level engineering programs; B. E. Civil and B. E. Electronics & Communication.

The college is a community of intellectuals, faculty members, staffs and students that encourages the quest for a deeper understanding of technology and fosters a personal commitment to lifelong learning, intellectual growth and the enduring values of engineering education.

As a community of faculty and staffs, in partnership with students, the college seeks a total educational experience encompassing the classroom, college and community that develops competence, character and leadership.

The College is dedicated to helping students develop analytical and communication skills, creative abilities and a sense of civic responsibility needed in an increasingly complex society. It strives to provide them with a robust grounding in their chosen field and an exposure to the discovery of new knowledge.

The College seeks to create an intellectual environment that enhances individual growth and supports scholarly activities and creative endeavors that augment knowledge and understanding.

Courses Offered

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<tr>
<th>Program</th>
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<tr>
<td>B. E. Civil</td>
<td>48</td>
</tr>
<tr>
<td>B. E. Electronics and Communication Engineering</td>
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</tr>
</tbody>
</table>

Achievements

Secured 1st and 4th rank in B. E. Civil 1st semester result:
Right in first year of establishment, our students have been successful in securing the top positions in IOE exams. 1st and 4th rank in first year civil engineering program belongs to Sagarmatha Engineering College.

Better result in 1st year 1st semester:
Students’ overall result in 1st semester’s final examinations is the best amongst all T.U. affiliated Engineering Colleges.
SPOTLIGHTS

• Highly Experienced Faculties renowned in the field of engineering education
• Excellent academic environment
• Best result in first year first semester amongst T. U. affiliated engineering colleges
• Research & Development Unit to enhance the student’s innovative skills
• Standard Laboratories with state of the art facilities
• Modern teaching methodology using latest teaching aids
• Individualized approach to boost student’s performance and instill self-motivation
• Central Location. Five minutes’ walk from Balkhu and Teku
• Superfluous Infrastructure and large open space
• International standard Basket Ball Court
• Provision of placement of graduates in affiliate / associate companies
• Scholarship schemes to support deserving students
Admissions Criteria

- Students who have attended and passed the entrance exam conducted by Institute of Engineering (IOE), T. U., can only apply for admission at Sagarmatha Engineering College. Students are selected strictly on merit basis from amongst the applicants.
- To be eligible to appear on the IOE entrance test, you must have secured minimum 45 percent in the Intermediate or +2 Science with two mathematics paper.
- You are also eligible for the entrance test if you have Diploma in Engineering or equivalent degree recognized by Tribhuvan University.

Admission Procedure

Candidates, who are successful in the IOE entrance examination, are to proceed as following:

Step 1: Collect the admission form available at Sagarmatha Engineering College.

Step 2: Fill and submit the form along with the necessary documents listed below:
  - Original copy of IOE entrance exam score card
  - Copy of citizenship certificate
  - Copy of mark sheet and character certificate of SLC or equivalent
  - Copy of mark sheet and character certificate of +2/ISC/I.E. or equivalent
  - Original copy of migration certificates
  - Two passport size photographs of the applicant
  - One Passport size photograph each of parents and local guardian

You should bring the original and get your copy attested at the time of submission by the admission officer/college official.

Step 3: Candidates who make it in the college MERIT LIST are eligible for admission.

Step 4: Interested candidates are in the merit list are to contact the admission officer for enrollment to Sagarmatha Engineering College.

Note: Subsequent merit lists may be published upon availability of seats, in which case the ones on the waiting list get priority.

Scholarships

Top 10% of students enrolled at Sagarmatha Engineering College are considered for scholarship based on the merit list of IOE Entrance Examination; first 5% throughout the duration of the course and the second 5% for the first semester only.

The second 5% in the subsequent semesters are considered on the basis of the merit list of the semester exam conducted by IOE.
Civil Engineering is the basic and most sought after professional engineering discipline that deals with the design, construction and maintenance of the physical and naturally available environment. It includes design, construction and maintenance of essential infrastructural facilities such as bridges, roads, canals, dams and buildings.

Civil Engineering practices take place at all levels: in the public sector from municipal through to federal levels and in the private sector from individual homeowners through to international companies.
Message from the Head of Department

Civil engineers have been the builders of civilization from past. We focus and prioritize a career-focused education. Our graduate must be adaptable to all the 21st century real world challenges. This department has the resources to claim its aim and mould our students towards perfection in this field. We proudly want to confer that we have been successful in achieving the highest marks in the whole university securing first and fourth positions. This giant leap right at the beginning has made us more excited to deliver even better in the future.

Mr. Pujan Raj Regmi
Head
Civil Engineering Department

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Career Industries/Sub disciplines in Civil Engineering:
- Construction Engineering
- Earthquake Engineering
- Environmental Engineering
- Geotechnical Engineering/Soil Mechanics Engineering
- Water Resources Engineering
- Materials Engineering
- Structural Engineering
- Surveying
- Transportation Engineering
- Municipal or Urban Engineering
- Coastal Engineering

Career Options:
The job prospects for Civil Engineers currently are at all-time best. The power plants, industrial plants & building, housing & urban development, transportation and several other sectors of the economy is creating added demand for Civil Engineers.

Examples of some of typical job careers:
- Project Manager
- Site Engineer
- Construction Manager
- Maintenance Manager
- Quality Assurance Manager
- Sustainable Design Engineer
- Pollution Control Engineer
- Environment Engineer
- Mining and Geological Engineer
- Site Investigator
- Geotechnical and Foundation Design Consultant
- Structural Design Engineer/Consultant
- Materials Engineer
- Bridge Engineer
- Transport and Urban Planner

Typical career path scenarios for Civil Engineering are:
- Civil Engineers can start their career in Government Departments, Private and Public sector undertakings, Teaching and Research Institutions etc.
- Civil Engineers find work at the construction site in a managerial position or in design, research as well as in teaching in the government services or private concerns.
- They do also work as independent consultants.
- In some fields and firms, entry-level engineers are put to work primarily monitoring construction in the field, serving as the “eyes and ears” of more senior design engineers; while in other areas, entry-level engineers end up performing the more important tasks of analysis or design and interpretation.
- More senior engineers can move into doing more complex analysis or design work, or management of more complex design projects, or management of other engineers, or into specialized consulting, including forensic engineering.
- In short, a Civil Engineer is trained to manage men, materials, equivalent of all kinds and the financial aspects related to his work.

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Electronics & Communication Engineering, a merger of two basic fields - Electronics and Telecommunication Engineering, is one of the largest and fastest growing industries. It is a constantly changing and ever expanding branch of the engineering. It covers a wide range of applications such as Television, Radio, Computers, Telecommunication, Mobiles, etc and helps us to see, hear and communicate over long distances, supervise production and manufacturing processes and oversee installation and maintenance of computers, peripherals and components.

Electronics and Communication Engineers design, develop, install and maintain systems related to Electrical, Electronics, Telecommunications and Computers. They also deal with computer architecture, digital communications, fiber optics, microprocessors, embedded systems, instrumentation, lasers, microelectronics, microwaves and antennas, optical communications, satellite and mobile communications, signal processing and systems design.
Career Industries
Electronics and Communication Engineering careers are available in a broad array of areas and industries. An Electronic Engineer career does not typically include work that is exclusive to computers; however, many Electronic Engineering jobs are related to computer technology. Typically, Electronics Engineering careers are specialized in industries like:

- Telecommunications
- Electrical
- Energy
- Manufacturing
- Transportation and Automotive
- Aerospace
- Medical
- Business
- Network Management
- Multimedia and IT Industry
- Military and Defense

Career Options:
Types of electronic engineering jobs vary with industry, specialty and purpose. For example, an electronic engineering development job in the telecommunications industry could encompass working on projects that produce electronic components for cell phones.

Examples of some of typical job careers:
- Systems Design Engineer
- Telecom Engineer
- Project Engineer
- Research and Development Engineer
- Quality Control Engineer
- Development and Support Engineer
- Software Engineer
- Reliability Engineer
- Research Engineer
- System Test Engineer
- Biomedical Engineer
- Computer Network Engineers
- Network Security Engineers

Career Path:
An Electronics and Communication Engineer’s career path begins with a degree in Electronics Engineering or Electronics and Communication Engineering that can prepare a student to design, build, research and test electronic circuits and components used in the high-tech devices so prominent in today’s society.

- An Electronic and Communication Engineer can start their career in Government Departments recruited to Gazette posts through the competitive examinations conducted by Public Service Commission.
- Similarly there are vacancies in the private and public sector like Nepal Telecom, Nepal Telecom Authority, Civil Aviation, Nepal Electricity Authority, Alternative Energy Promotion Center, Engineering Colleges, NCELL, UTL and other telecom and software companies.
- They can even start their own small businesses by manufacturing Electronic circuits and devices.
- The graduates can choose to develop their career in abroad as well, as the Electronics and Communication Engineering is largest and fastest growing field in the world.

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Message from the Head of Department
Electronics & Communication Engineers are the driving force in national IT agenda-making each person get access to mobile phone and each household get connected to internet. We are committed to providing the type of manpower that can help the nation materialize the agenda. Our goal is to prepare successful students in dynamic global world. We are committed to foster the desire for learning in students. Actually, we want to make sure that the students not only learn and understand the subject but they demonstrate mastery of it after they graduate. We wish to deliver the kind of education that has substantial practical content by encouraging project based learning (learning by doing).

Mr. Dil Bahadur Chhetri
Head, Electronics & Communication Engineering Department
Teaching Methodology

Each course follows a pre-determined lesson plan prepared by respective faculty members. The students are made aware of the relevancy of the course and its practical implications.

Students get involved in practical sessions and field visits, where applicable, in order to experiment and verify the knowledge gained in the classrooms.

The evaluation criteria are set for each subject and the students are made aware of the same at the beginning of the course. Feedback from the tests is used to evaluate the effectiveness of the methodology followed. Extra-classes are arranged where deemed necessary.

Extensive use of teaching materials including pictures, schematic diagrams, graphs and simple sketches are used in lecture classes. For necessary topics, movies can also be shown.

Students are constantly encouraged to interact during and after class hours. They are also encouraged to indulge in individual and group researches.

Laboratory

The laboratories at Sagarmatha are equipped with the state-of-the-art instruments and equipment. Students have access to the laboratories even during off-campus hours. We encourage students to indulge in research activities and with the set-up, we have the students have greater opportunity to sharpen their skills.

Library

In addition to the reference books available in the college library, they can hold one textbook per subject per semester. Our attempt is to make sure the students are not devoid of any books they require. At the same time, we encourage students to start a private collection of relevant books of their own.

Research and Development Unit

The college has established a Research & Development Unit with the aim to encouraging and cultivating an environment to carry out fundamental as well as applied research activities in the professional fields. The research activities are to focus on innovation and technological development through academic and research collaborations with universities, governments and industries to meet the immediate as well as futuristic needs of the society and the industry.

Innovation and Entrepreneurship Unit

The college has a separate Innovation & Entrepreneurship Unit to foster innovation, research, and entrepreneurial activities in technology-based areas. It provides a platform to start-ups, prospective entrepreneurs and intrapreneurs (faculty, academic staff and students) to convert their innovative ideas into commercially viable products.
FACILITIES

Extra Coaching Classes
In addition to regular college schedule, special coaching classes are arranged by the college for particular students who have difficulty in any particular subjects. These classes are conducted by the college in off-college hours without any extra financial burden on the students.

Students’ Counseling
The academic unit of the college constantly monitors the students on individual basis. The unit has a special mechanism to spot the students who have problems (academic/non-academic) and work closely with them to tackle them.

Job Placement
The college seeks to maintain close ties with the companies and corporate houses in order to create conducive environment for placement of our qualified graduates after completion of their studies.

Excellent Academic Environment
There is an excellent academic environment inside the premises of Sagarmatha. In fact, the students get self-motivated to pursue their academic undertakings while they are inside the college. College management committee is conscious in minute details so far as maintaining and promulgating a sound academic environment.

Internet and Wi-Fi
The college maintains more than 1 Mbps of internet connection. Every computer, laboratories are connected to the internet. The students can also enjoy round the clock Wi-Fi facility within the college premises.

Extracurricular Activities
To encourage the students’ participation in extracurricular activities, the college has maintained international standard basketball and volleyball court. Badminton and table tennis facilities are also available. The college also motivates students to indulge in creative writing and publish their thoughts and feelings.

Cafeteria
The cafeteria of college serves snacks, lunch and dinner. The hygiene in cafeteria is constantly monitored by the college management committee and it is made sure that the price on the items available is reasonable.
LIFE AT SAGARMATHA

College Hours:
Thursday to Tuesday- 9:30am to 5:15pm
Closed on Wednesdays and on holidays mentioned in the college academic calendar

Dress Code
No particular dress code is maintained by the college. However, students are not allowed to wear anything that is offensive and too casual.

Evaluation Guidelines
• Satisfying all the conditions mentioned in the college evaluation policy of the college, the students must score 40% in the internal evaluation to be qualified for the university exam.
• Students must maintain a minimum of 70% of attendance to be eligible for the university exam.
• Students failing to maintain the aforementioned criteria are subjected to NQ and may not qualify for the university exam.

Students’ Code of Conduct
• Students shall obey the procedures, directions, notices and circulars of the college and shall not violate the rules and regulation of the college.
• Students are required to attend lectures regularly. A student must achieve a minimum of 70% of attendance to be eligible to sit in the final examination.
• Punctuality for all sessions is essential.
• Students should make maximum contribution from their side to uplift the dignity and reputation of the college.

• Students shall treat all employees, teachers, other students and other members of the public with respect, dignity, impartiality, courtesy and sensitivity.
• Students shall not obtain college goods or services by making false statement or by using or presenting a false or unauthorized document.
• Students shall not produce false documents bearing marks, date of birth etc. with an attempt to avail the privileges like scholarships or waivers.
• A student shall not use, possess, display, or store any weapon, dangerous instrument, explosive material or device, fireworks or dangerous chemical on campus premise or during campus activity or event.
• Students shall not smoke, drink alcohol or use illegal drugs of any sort.
• Students shall complete all the assignments and exams without copying, cheating or plagiarizing.
• Students are required to keep their mobile phones switched off in all learning areas and shall not use mobile phones, cameras or other equipment that disturb or affect other person’s right to privacy.
• Students shall not use rude and abusive language to fellow students, teachers and staff of the college.
“The way I have been taught here has enriched my intellectual ability”

In sea of alluring advertisements, I was confused as to which college to choose so that my esteemed dream of becoming a quality engineer comes true. Later, one of my teachers advised me to choose a college which could give me the excellent academic environment with good caring and support. Sagarmatha was the one that matched the advice and I chose Sagarmatha. Thank you, Sagarmatha for making my choice a good one.

The way I have been taught here has enriched my intellectual ability. I am, now, a more confident student than ever. This positive attitude that has been circulating within me is making me feel better day by day and am being more and more motivated to perform better in the studies.

Mr. Bikash Gurung
B. E. Electronics and Communication I/II

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Mr. Ram Panthi
B. E. Electronics and Communication I/II

“I am now a more confident and dashing person ready to metamorphosis into successful engineer”

The environment I experienced here has allowed me a lot of room for growth. It has been academically challenging but definitely rewarding. I am nowadays seeing my cherished dream of becoming a qualified engineer taking shape, day by day. Sagarmatha, therefore, is a good place to study because of the peaceful surroundings and surplus resources. After my first year of study in this college, I believe that I have been transfigured in many positive ways. I am now a more confident and dashing person ready to metamorphosis into successful engineer. I have learned to believe the things that I study on books only after questioning it from every possible way and have found effective studying methodologies. Technical education is quite different from what we expect it to be. Sagarmatha has inspired and facilitated me to meet the requirement and deliver good academic performance.

Mr. Ayush Kuinkel
B. E. Civil I/II, IoE 4th Topper (B. E. Civil I/I)

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Mr. Ayush Kuinkel
B. E. Civil I/II, IoE 4th Topper (B. E. Civil I/I)
INTERVIEW WITH MR. SUDAN PANDEY

B. E. Civil I/II
(IoE Topper, B. E. Civil I/I)

1. **Why should other students study at Sagarmatha?**
   Sagarmatha has much to offer for the students. It has a combined strength in advanced teaching and research. The college provides good lot of facilities and resources for the learning. Students will be proactive in learning and will have the opportunity to explore whole lot of things. In addition, the students will have a fun environment with friends and will enjoy the nice ambience of college.

2. **How will you describe the classroom environment?**
   The classroom environment of the college is very interactive. Teachers expect us to actively participate in the classroom. We also work closely with group members to accomplish particular project or practical assignment. I am allowed to experiment and learn from my own ideas. The classes are so interesting that it ends within a blink of eye-we never know when the class time is over.

3. **How has studying in Sagarmatha changed you?**
   It has significantly changed me. Coming to Sagarmatha was like an eye opener for me. I started to know what I really wanted to know. I started understanding every matter in different perspectives. It has contributed in making me independent, broad minded, matured, patient, brave and conscientious.

4. **What is the faculty and staffs like at your college?**
   They are friendly, caring, and good substitute of family.

5. **What is your favorite experience at Sagarmatha?**
   The way teachers deal and interact with the students is awesome. In addition to normal class hours, we indulge in playing different sports like basketball, volleyball, football and table tennis. This playing time is invaluable for us. We tend to forget everything and enjoy sports. In addition, I have been successful in making a lot of friends in Sagarmatha. These are some of the favorite experiences at Sagarmatha.

6. **Do you have any advice for future students?**
   Sagarmatha is a college where your abilities are explored and enhanced. The teachers here genuinely care about your academic progress-you will be always in good care of them. Therefore, you should be prepared to work hard and also be prepared to experience friendly and extraordinarily exciting college environment. You will earn good friends and have a lot of fun. All in all a perfect student life can be experienced here which you would recollect happily after graduating.
Introduction
Affiliated to Tribhuvan University, Sagarmatha College of Science and Technology is established in a year 2011 as a sister wing of Sagarmatha Engineering College. Under the management of Sagarmatha Engineering College, the college is running four year (8 semesters) bachelor level course in Computer Science and Information Technology (B. Sc. CSIT). This is a promising course for students who aspire to become a professional in the field of computer and Information Technology.

“No less than engineering” is a phrase that we give for this program. The course structure is truly definitive and purposeful with a total of 126 credit hours. On the top of that, the program is run by an Engineering college.

About the Course
Bachelor in Computer Science and Information Technology (BSc. CSIT), is a four year course designed to provide with all sorts of knowledge in the field of Information Technology and Computing.

The B. Sc. CSIT focuses on areas in IT, database management, computer programming, information system analysis and design, communication and networks, client-server management, software analysis, design and management, security, e-business, project management, web-based technology and professional practice in IT.

Objectives
The objective of this program is to prepare students to pursue career advancement in the field of information technology. At the completion of this degree, student will be able to design real-world e-media products or create technical solutions to hardware and software problems, depending on their chosen area of focus.

However the main aim of B.Sc. (CSIT) program can be enlisted as,

- To offer intensive knowledge in theory, design, programming and application of computers.
- To provide necessary knowledge in the field of functional knowledge of hardware system and the necessary knowledge of computer software system.

Eligibility for Admission
1. A candidate, to be eligible for admission in B. Sc. (CSIT), shall have passed 10+2 Science or equivalent with Mathematics as one of the subject and should have secured at least 2nd division marks in aggregate.
2. Applicants are required to appear in the entrance exam conducted by Institute of Science and Technology, Tribhuvan University (IOST-TU) and should secure their position in the MERIT LIST in order to be eligible.

Course Structure
The B. Sc. CSIT program will have eight semesters with 126 credit hours. Each semester shall have duration of 6 months. This program comprises of the following courses:

Courses | Credit Hours
--- | ---
Computer science core courses | 75 credit hours
Natural science elective courses | 6 credit hours
Mathematics courses | 12 credit hours
English courses | 3 credit hours
Social science and management courses | 6 credit hours
Computer science elective courses | 15 credit hours
Internship/Project | 9 credit hours
Total Credit hours | 126

“Nurturing your computer instincts in an engineering environment”