



**sagarmatha**  
COLLEGE OF SCIENCE & TECHNOLOGY  
TRIBHUVAN UNIVERSITY AFFILIATE

# INFORMATION BOOKLET **2021**



NURTURING YOUR  
COMPUTER INSTINCTS IN AN  
**ENGINEERING ENVIRONMENT**

INSPIRING MINDS...

“You will be challenged to  
unlock your potential and  
hone your strengths and  
abilities. You will gain the  
confidence to push yourself  
toward new horizons.”

SEE YOUR VISION  
THROUGH US.

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# message from the CHAIRPERSON



“Welcome to Sagarmatha College of Science and Technology, a college where you can imagine the possibilities and get them transformed into reality.”

Beyond providing sound education, we wish to provide our students a holistic learning experience for life. Our aim is to teach students to LEARN, not just STUDY. Hence, we strive to travel beyond the boundaries of mere books. We have realized that the future is abstract and unknown but the youth in our hands are real and can be molded.

Dear students, “You are the nation-builders. You are the driving force of technology. You are the agents of change.” It is our fervent hope that the years you spend in Sagarmatha would enable you to equip with leadership and managerial skills. The knowledge that you will gain, the fine qualities that you will imbibe and the technical skills that you will learn to apply, will be your major contribution to your parents, to society, to the nation and to the world as a whole.

We invest our trust on you. You are our safe source and we bank all our efforts on you. We create not the future instead we craft you for the future. There are strong challenges to great efforts but, always remember, great effort bears the sweet fruit of success. We want you to taste the fruit of success once and for the rest of your life, you will never rest and regret.

**“We had tremendous technological achievements in last century.”**

Unfortunately, the development of world through these achievements was without taking into consideration for the social, environmental and economic impacts. Future professionals must not be unaware of the disturbances in nature due to the developmental activities and they must contribute to the building of a more sustainable, stable and equitable world. I would like to extend best wishes to all of you.

**Er. Sagar Gnawali**  
Chairperson



# message from the PRINCIPAL



“Education enables a person to face new challenges, achieve progress and lead a successful life. We, therefore, at Sagarmatha College of Science and Technology, would like to encourage all students to thrive for the best to make them knowledgeable in their relevant profession with high self-esteem and discipline.”

Education at our institution is not only for academic brilliance but also for an ambience where our ancient cultural heritage and human skills are enhanced.

While Sagarmatha has enjoyed growth and expansion over the years, it remains dedicated to its original mission: “To impart world class education and produce internationally competent IT professionals with enterprising spirit”

This college provides a lively environment for learning and discovery through latest teaching learning methods and I assure you that if you are here with us, you are going to be the next generation leader who can understand the complexities of technology and society, to meet the diverse challenges of new century.

One of the parameters for judging any academic institution is the research activities it is pursuing. From the day one of the establishment of this college we are committed to conducting research and development. We understand that the superiority of any academic institution lies on the performance of students. We highly believe our students and encourage them to take the advantage of all the supports available to them at Sagarmatha.

IT professionals, in addition to being technically and analytically sound, must complement their capabilities

with understanding of “soft issues” that are non-technical. We try to enhance the soft skill of students so that they can be successful in all spheres of life. We provide extensive training to the students promote their soft skills so that they will be easily assimilated by job market.

I feel privileged to state that many of our students have secured highest ranks in the final examination conducted by Institute of Science and Technology, Tribhuvan University in the past and believe that new lot of students will continue the trait. Beside academics, students are also encouraged to take part in extra-curricular and co-curricular activities and many of our students have brought achievements to the Institution.

**“I feel happy and delighted to welcome our incoming students and my best wishes for their brilliant academic career at Sagarmatha.”**

**Er. Ramesh Shrestha**  
Principal

board of  
**directors**



**Er. Sagar Gnawali**

Chairperson



**Er. Ramesh Shrestha**

Member Secretary



**Mr. Kishor Kumar Chalise**

Member



**Er. Manish Aryal**

Member



**Mr. Gopal Nuire**

Member

## management committee



**Er. Ramesh  
Shrestha**  
Principal



**Er. Dakshina  
Shrestha**  
Chief, Academics



**Mr. Arun Prasad  
Parajuli**  
Chief, Administration



**Er. Ganga Subba**  
Head, Department of  
Computer Science and  
Information Technology



**Er. Manish Aryal**  
Head, IT Infrastructure  
Unit



**Mr. Chaturbhuj B.  
Nepali**  
Sr. Account Officer





## VISION

To be the leader in Information Technology Education through Technical Excellency.



## MISSION

To impart world class education and produce internationally competent IT Professionals with an enterprising spirit.



## OBJECTIVES

While imparting education is our passion, our values lie in the 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.

Imagine the possibilities,  
we will guide  
you transform  
them to reality



Whatever your passion,  
you can master it at  
**sagarmatha**

“ Sagarmatha is a place where brilliant minds assemble and collaborate, where they pool together their individual talents across disciplines in service of big projects and big ideas. ”

# Introduction

Sagarmatha College of Science and Technology was established in 2011 under the affiliation of Tribhuvan University. Within less than a decade of its inception, it has been one of the top most choices for future Computer Science and IT Professionals.

The college provides latest and up-to-date courses to mould professionals so as to compete with changing world following streams:

- B.Sc. CSIT
- B.C.A
- BEd. ICT(Proposed)

At Sagarmatha, students are encouraged to unleash their potentials building on their strengths and overcoming weaknesses. The dedicated and resourceful faculty members help students turn dream into reality. The college not only produces competent engineers for governmental and non-governmental organizations but also builds entrepreneurship skills so that they register new enterprise to make positive change in society.

The college promotes quality education in healthy academic environment and with affordable fees, scholarships and state-of-the-art facilities. Within easy accessibility, the college is located at the bank of Bagmati River at Sanepa, Lalitpur 400 m distance inward from ring-road.



## Up Your Intellect with our Down-To-Earth Experts.

Enthusiasm and commitment to teaching are undeniable characteristics of our faculty. They will spark your curiosity, challenge you to grow, and inspire you to achieve your dreams.



**HANDS ON.  
ALWAYS ON.**

Your brilliant idea needs a place to design, develop, and produce it. The good news: At your disposal— connections with fellow students, professors, researchers, and labs that are waiting you 24 hours a day, 7 days a week.



## Intake Capacity

B.Sc. CSIT	48
B.C.A	35
BEd. ICT	(Proposed)

## College Time

Sunday to Friday, 7:00 am to 2:00 pm

Closed on Saturdays and other holidays as per academic calendar provided by the college.

## Attendance

Students are advised not to miss any class. It is mandatory to have 80 % attendance. Students who fail to meet the minimum requirement of attendance are not allowed to sit for final examination conducted by Tribhuvan University.

## 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.

## Disqualification

Students are encouraged to excel in every subject. Unable to secure 40 % in the internal marks is considered as Not Qualified (NQ) for final examination. The detail guideline for internal evaluation will be provided to the admitted students later.



Students at Sagarmatha have unmatched opportunities for hands-on learning, utilizing some of the most sophisticated classroom, laboratory, and spacious drawing hall available anywhere.



## Sagarmatha Career Center

Sagarmatha College of Science and Technology aims to ensure hundred percent placements of its graduates. It realizes that academic performance of the students alone is not sufficient for a decent employment in today's highly competitive market and it, therefore, emphasizes on an overall personal and professional development of its students. With an objective to enhance an overall personal and professional development of the students and with a view to preparing them fully to compete in the job market, it has established a separate unit called Sagarmatha Career Center.



## Field visit

Regular field visits are arranged by the college when and where needed. These field visits are aimed at making students acquainted with the real time scenarios of what they have learned in class room and text books.



## Research & development unit

College seeks to explore and encourage the research enthusiasm of faculty and students. Research and development unit focuses on building the sustainable research platform and contributing to the development of engineering sector as a whole. This unit ensures that the students are not deprived of the international norms and standards of teaching methodology in which research is the integral part.



## Laboratories

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, our students have a great opportunity here to sharpen their skills.

## Students' counselling



This unit of the college constantly monitors students on an individual basis. The unit has a special mechanism to spot students who might be facing problems (academic/non-academic) and work closely with them to help them tackle their problems.

## Library



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

## Extra coaching classes



In addition to the regular classes that run as per the college schedule, special coaching classes are arranged by the college for students who are facing difficulties in any particular subject. These classes are conducted

by the college during off-college hours without any extra financial burden on the students.

## Internet connectivity



There's no question that we have a sophisticated, high-tech campus. Whether you're in the classrooms, labs, drawing halls, or public areas, we provide free, direct, high-speed computing access that is hard to beat. All computers and laboratories are connected to the internet. Students can also enjoy round the clock Wi-Fi facilities within college premises.

## Sports



To encourage students' participation in extracurricular activities, the college maintains basketball and volleyball courts. Badminton and table tennis facilities are also available. The college also motivates students to indulge in creative writing and publish their thoughts and feelings.

## Stationary & photocopy service



The college houses the stationary and photocopy center where the students can have access to relevant lecture notes and hand outs and stationary items. It facilitates binding, lamination, printing and photocopy and related services for the students.

## Cafeteria



The college cafeteria serves snacks, lunch and dinner. Hygiene in the cafeteria is constantly monitored by the college management committee, and it is made sure that the prices of the food items available are reasonable.



# Bachelor of Science in Computer Science and Information Technology (B. Sc. CSIT)

Bachelor of Science in Computer Science and Information Technology (B. Sc. CSIT) is the most demanded 4 years IT and computer course. B.Sc. CSIT plays a vital role in fulfilling the ever-growing need of Professionals in the field of IT. The program comprises of 126 credit hours of Computer Science and Allied courses.

The main aim of the program is to stimulate students in the area of critical thinking and innovation in a scientifically useful way. It addresses both software and hardware aspects of the computer science discipline. Courses are designed to equip students with knowledge and techniques that will give them a competitive edge wherever they may find themselves. The program involves lots of practical and project works.

The program develops the underlying principles of both Computer Science and Information Technology and shows how these principles can be applied to solve real world problems. This program develops the skills that are essential for both computer professionals and IT managers. After completing this degree, students will be well qualified for high paying jobs in IT field.



## Eligibility

- Applicants must have completed +2 Science (Physical or Biology) or equivalent from university, board or institution recognized by Tribhuvan University with minimum of grade C in each subject.
- Applicants from A Level must have at least 100 marks Mathematics and minimum of D grade.
- They must have passed the entrance examination conducted by Institute of Science and Technology.

# CAREER OPTIONS

**"A promising course for those who aspire to become professionals in the field of Computer Science and Information Technology."**

After graduation you may develop your career in various fields such as:

- Software Engineers
- Web Developers
- Network Administrators
- Database Administrators,
- IT Managers/Officers
- Web Designers
- Application Developers,
- Software Quality Assurance Engineers
- Project Managers
- Search Engine Optimization Officers
- Technical Content Writers
- Cryptographers
- Ergonomics Program Designers
- Computer System Analysts
- Telecommunication Engineers
- Document Specialists
- Information Security Analysts
- Information System Auditors
- Artificial Intelligence Specialists
- Information System Managers, etc.



## Semester I

CSC109	Introduction to Information Technology
CSC110	C Programming
CSC111	Digital Logic
MTH112	Mathematics I
PHY113	Physics

## Semester II

CSC160	Discrete Structure
CSC161	Object Oriented Programming
CSC162	Microprocessor
MTH163	Mathematics II
STA164	Statistics I

## Semester III

CSC206	Data Structure and Algorithms
CSC207	Numerical Method
CSC208	Computer Architecture
CSC209	Computer Graphics
STA210	Statistics II

## Semester IV

CSC257	Theory of Computation
CSC258	Computer Networks
CSC259	Operating Systems
CSC260	Database Management System
CSC261	Artificial Intelligence

## Semester V

CSC314	Design and Analysis of Algorithms
CSC315	System Analysis and Design
CSC316	Cryptography
CSC317	Simulation and Modeling
CSC318	Web Technology Elective I

## List of Electives:

1. Multimedia Computing (CSC319)
2. Wireless Networking (CSC320)
3. Image Processing (CSC321)
4. Knowledge Management (CSC322)
5. Society and Ethics in Information Technology (CSC323)
6. Microprocessor Based Design (CSC324)

## Semester VI

CSC364	Software Engineering
CSC365	Compiler Design and Construction
CSC366	E-Governance
CSC367	Net Centric Computing
CSC368	Technical Writing Elective II

## List of Electives:

1. Applied Logic (CSC369)
2. E-commerce (CSC370)
3. Automation and Robotics (CSC371)
4. Neural Networks (CSC372)
5. Computer Hardware Design (CSC373)
6. Cognitive Science (CSC374)

## Semester VII

CSC409	Advanced Java Programming
CSC410	Data Warehousing and Data Mining
MGT411	Principles of Management
CSC412	Project Work Elective III

## List of Electives:

1. Information Retrieval (CSC413)
2. Database Administration (CSC414)
3. Software Project Management (CSC415)
4. Network Security (CSC416)
5. Digital System Design (CSC417)
6. International Marketing (MGT418)

## Semester VIII

Course Code	Course Title
CSC461	Advanced Database
CSC462	Internship Elective IV Elective V

## List of Electives:

1. Advanced Networking with IPV6 (CSC463)
2. Distributed Networking (CSC464)
3. Game Technology (CSC465)
4. Distributed and Object Oriented Database (CSC466)
5. Introduction to Cloud Computing (CSC467)
6. Geographical Information System (CSC468)
7. Decision Support System and Expert System (CSC469)
8. Mobile Application Development (CSC470)
9. Real Time Systems (CSC471)
10. Network and System Administration (CSC472)
11. Embedded Systems Programming (CSC473)
12. International Business Management (MGT474)



Course  
Structure



# Bachelor In Computer Application (BCA)

**BCA is a 4 years undergraduate degree course in the field of computer applications/computer science.**

Computer Application and associated subjects are highly regarded in industry, and many companies seek to recruit Computer Application and IT graduates. The computing skills you acquire through your course are widely sought by employers, as are transferable skills such as practical problem-solving, communication skills and an understanding of scientific methods. The range of careers open to computing graduates is constantly broadening as the IT industry diversifies.



## Eligibility

- Applicants must have completed +2 level or equivalent from university, board or institution recognized by Tribhuvan University with minimum of 40% marks or 'D+' grade or 2 CGPA.
- They must have passed the entrance examination conducted by Faculty of Humanities and Social Sciences, Tribhuvan University.

## CAREER OPTIONS

**Computer Application and associated subjects are highly regarded in industry, and many companies seek to recruit Computer Application and IT graduates.**

After graduation you may develop your career in various fields such as:

- Information Officer
- Computer Programmer
- Computer Scientist
- IT Support Service Specialist
- Systems Analyst
- Database
- Information Systems
- Software Developer
- Software Publisher
- Systems Administrator
- Media & Publishing Houses, etc.



# Course Structure

## Semester I

CODE	COURSE TITLE
CACS101	Computer Fundamentals & Applications
CASO102	Society & Technology
CAEN103	English I
CAMT104	Mathematics I
CACS105	Digital Logic

## Semester III

CODE	COURSE TITLE
CACS201	Data Structures and Algorithms
CAST202	Probability and Statistics
CACS203	System Analysis and Design
CACS204	Object Oriented Programming in Java
CACS205	Web Technology

## Semester V

CODE	COURSE TITLE
CACS301	MIS and e-Business
CACS302	DotNet Technology
CACS303	Computer Networking
CAMG304	Introduction to Management
CACS305	Computer Graphics and Animation

## Semester VII

CODE	COURSE TITLE
CACS401	Cyber Law & Professional Ethics
CACS402	Cloud Computing
CAIN403	Internships
--	Elective I
--	Elective II

## Semester II

CODE	COURSE TITLE
CACS151	C Programming
CAAC152	Financial Accounting
CAEN153	English II
CAMT154	Mathematics II
CACS155	Microprocessor and Computer Architecture

## Semester IV

CODE	COURSE TITLE
CACS251	Operating System
CACS252	Numerical Methods
CACS253	Software Engineering
CACS254	Scripting Language
CACS255	Database Management System
CAPJ256	Project I

## Semester VI

CODE	COURSE TITLE
CACS351	Mobile Programming
CACS352	Distributed System
CAEC353	Applied Economics
CACS354	Advanced Java Programming
CACS355	Network Programming
CAPJ356	Project II

## Semester VIII

CODE	COURSE TITLE
CAOR451	Operations Research
CAPJ452	Project III
--	Elective III
--	Elective IV



## message from the HOD

Welcome to the Department of Computer Science and Information Technology. With recent rapid advances in the computer hardware and software technology, Computer Science and IT has become one of the most exciting and dynamic research areas.

Today computers form an integral part of every aspect of society and modern life. New computing technologies are introduced at an enormous rate and the IT field develops and changes continually and rapidly. Consequently IT field has evolved into a dynamic and challenging field of study. Establishing a skilled computing workforce is essential to the long term economic stability of the nation. Today, there is a huge demand for qualified computing personnel in the commercial and administrative fields.

After completing this degree, students will be able to work in programming, systems analysis and design, artificial intelligence, software engineering, Internet and Multimedia development, networking, as well as in any other computer-related jobs.

The department is committed to produce disciplined, responsible, sincere and confident IT professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified and experienced faculty members along with engineering environment thus making our students different and more creative in the field of IT. We inspire the students to develop their technical skills and inculcate the spirit of team work in them to meet market needs.

**Er. Ganga Subba**

Head

Department of Computer Science and Information Technology



## “Studying BSc. CSIT at Sagarmatha is great.”

The atmosphere is extremely supportive, the teachers are always engaging and the extra-curricular events have been some of the highlights of College.

Sagarmatha puts a particular emphasis on thinking for yourself and discovering where your interests lie, which is such a refreshing change from the structured syllabus. Sagarmatha has also made me brave enough to explore subjects I might have been too scared to otherwise; before I started my degree I never thought that my studies could be so much fun and interesting but I am so pleased that I did! Thank You Sagarmatha for whatever has been done and provided for me.

**BIPAN**  
DHAKAL

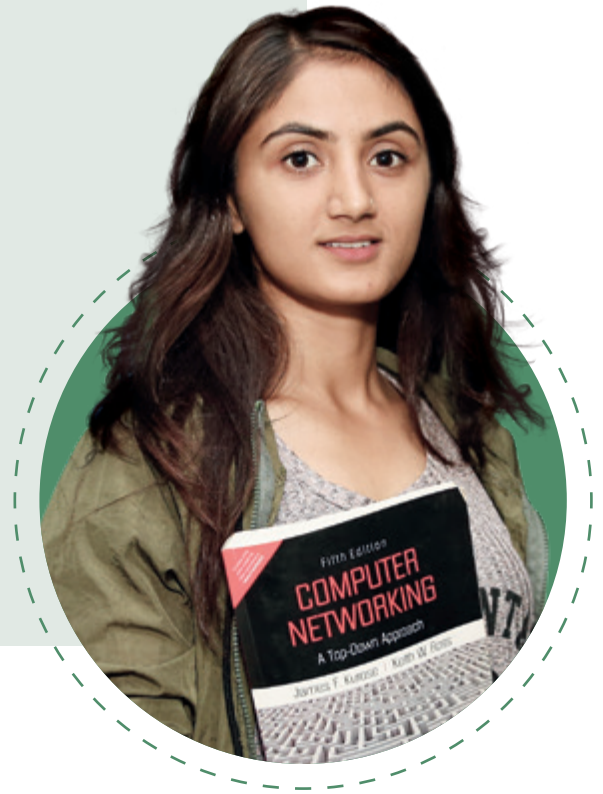


“I am proud to be a part  
of Sagarmatha College,”

The effective and efficient quality education, the facilities that are provided according to student's need.

Such education and facilities really helping me to make my vision a reality. Sagarmatha is the second home where a student can build up their computer instincts in a peaceful environment.

**RUPA**  
CHALISE



“B.Sc.CSIT is a good selection of course in the field of IT.”

In this era of technology, almost everything is operated through computers. So Information Technology is the most demanding field.

In my view, B.Sc.CSIT is a good selection of course for this field, keeping a good eye on our context. As a CSITian. Sagarmatha provided me with all this facilities and in addition, a good study environment and good care by teachers. So I am very proud to be called as a student of Sagarmatha.

**BISHAL**  
ADHIKARI



# BEYOND THE ACADEMICS

## Student Welfare Council

Student council is the representative body of students working for their welfare. It works in coordination with college management for the well being of college family. It also helps college to carry out extracurricular activities for the overall development of students. Student council of Sagarmatha College of Science and Technology, in overall, works for enhancing both the academic as well as non- academic performance of the college. In the last academic year Student council has conducted sports week, blood donation program, student welcome program, Saraswati pooja and other student welfare activities.

## Sagarmatha Speaks

**"We speak, because SAGARMATHA Speaks."**

Everyone is unique and every individual has their own story to tell and inspire the rest below the dias. Sagarmatha Speaks is where you can share the uniqueness you are bestowed upon by the almighty. Here group of students call different personality from both local and global market to share their story of success and failure so as to inspire the upcoming engineers. Not confined to outsiders, it also encourage students in the college to share their skills and knowledge. Afterall, the world can hear you only when you speak.

## Sagarmatha Media Club

Passion should be the fire that drives your life works. Engineering is your goal for being professional but your passion is what keeps you alive to achieve the goal. Sagarmatha Media club is a platform to nurture the talent in you. Here you can learn alot skills related to photography, videography and Video jockey. We have bunch of students who are leading this club and doing great so far. If you are one among those media lover, yes! this is for you either.

## Students Learn Best by Doing

Aim of club is to serve as a resourceful workspace for Students to pursue their interests in computer technology.

# STUDENTS' CODE OF CONDUCT

## Mozilla Club

Mozilla's mission is to ensure the Internet is a global public resource, open and accessible to all. A Mozilla University & College Club is a group of students with a passion for technology who meet regularly to advance this mission by building and innovating on open source projects that keep the web open.

## IT Club

Sagarmatha IT Club aims to boost up IT knowledge and Skills of Students by Organizing events and programs which are beneficial for professional growth of students. We, at Sagarmatha IT Club work together as a team.

- 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 the total 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 statements 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 privileges such as scholarships or waivers.
- A student shall not use, possess, display, or store any weapon, dangerous instrument, explosive material or device, fireworks or dangerous chemicals while on campus, or during campus events and activities.
- Students shall not smoke, drink alcohol or use illegal drugs of any sort.
- Students shall complete all 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 another person's right to privacy.
- Students shall not use rude and abusive language to fellow students, teachers and staff of the college.



# International Projects & Partnerships

Sagarmatha Engineering College in partnership with other higher education institutions from around the globe is conducting different international projects. The project are co-funded by Erasmus+ program of the European Union. Erasmus+ is the European Union Program in the field of Education, Training, Youth and Sport for the period 2014-2020.





Co-funded by the  
Erasmus+ Programme  
of the European Union



## PROMOTING ENERGY EFFICIENT LIGHTING EDUCATION IN NEPAL AND BHUTAN

### Duration

24 months, starting from January 2017

### Partners

1. Aalto University, Finland
2. National Technical University of Athens, Greece
3. Université Toulouse III Paul Sabatier, France
4. Royal University of Bhutan, Bhutan
5. Kathmandu University, Nepal
6. Nepal Engineering College, Nepal
7. Sagarmatha Engineering College, Nepal

### Objectives

1. To raise awareness in efficient lighting management and to identify important factors of needs and opportunities in efficient lighting in Nepal and Bhutan.
2. To develop energy efficient lighting course and lighting laboratory
3. To enhance and upgrade the skills of teaching staffs for improved academic environment in the field of energy efficient lighting systems.



Co-funded by the  
Erasmus+ Programme  
of the European Union



## STRENGTHENING PROBLEM- BASED LEARNING IN SOUTH ASIAN UNIVERSITIES

### Duration

36 months, starting from November 2018

### Partners

1. Aalto Global Impact, Aalto University, Finland
2. Delft University of Technology, Netherlands
3. Kaunas University of Technology, Lithuania
4. IIT Bombay, India
5. IISC, Bangalore, India
4. Jigme Namgyal Engineering College, Bhutan
7. Kathmandu University, Nepal
8. Nepal Engineering College, Nepal
9. Asian Institute of Technology and Management, Nepal
10. Sagarmatha Engineering College, Nepal

### Objectives

1. To develop new PBL curricula in the universities of RUB, KU, AITM, NEC, SEC (Bhutan, Nepal)
2. To enhance PBL curricula development experience and knowledge working with IISc Bangalore and IIT Bombay and collectively develop content for India. Leverage the expertise at IISc Bangalore and IIT Bombay to disseminate and influence PBL practices in local Indian institutions.
3. To build global best practices in universities' PBL education related to sustainability challenges.

# BHUTAN+NEPAL HIGHER EDUCATION FOR ACCOMPLISHING THE SUSTAINABLE DEVELOPMENT GOALS (B+NESDG)

## Duration

November 15, 2020 to November 14, 2023

## Project Partners

1. Universidad Politécnica de Cartagena, Spain
2. Riga Technical University, Latvia
3. Jigme Namgyel Engineering College, Bhutan
4. Sagarmatha Engineering College, Nepal
5. Nepal Engineering College, Nepal
6. Kathmandu University, Nepal
7. Pokhara University, Nepal
8. Mid-Western University, Nepal
9. Far-Western University, Nepal

## Duration

- To increase the quality of tertiary education through a capacity building holistic approach of 6 Higher Education Institutions on Sustainable Development (SD) to facilitate the accomplishment of relevant Sustainable Development Goals (SDGs) in Bhutan and Nepal, modernising partnership HEIs to be more internationally recognized and competitive.

## Specific Objectives

- Sustainable University Capacity building to create a whole institution approach aimed at mainstreaming sustainability into all aspects of the educational institution. Reinforcing the capabilities of the institutions to support the country on accomplishing SDGs, turning the university into an institution fostering sustainable development, inclusion and social commitment.
- Integrating ESD within the participants HEIs through an inclusive and equitable quality educational approach. Contributing to modernise and update the pedagogical framework and to equip learners with the knowledge, skills, values and attitudes needed to be responsible global citizens.
- Capacity building for the university community (technical/administrative and managerial staff, educators and students).
- Inclusiveness and mitigating gender disparities in tertiary education.
- Establishing a long lasting international cooperation and national/regional partnership to accomplish in two low income countries (Nepal and Bhutan) the SDGs through ESD in HEIs.

Co-funded by the  
Erasmus+ Programme  
of the European Union



# INTERNATIONALIZATION OF HIGHER EDUCATION INSTITUTIONS IN NEPAL AND INDIA (INTERNEPIND)

## Duration

November 15, 2019 to November 14, 2021

## Partners

1. Universidad Politécnica de Cartagena, Spain
2. Universidade de Aveiro, Portugal
3. Sarvajani College of Engineering and Technology, India
4. Nalla Malla Reddy Engineering College, India
5. VES Institute of Management Studies and Research, India
6. Indubhai Parekh School of Architecture, India
7. Shantaben Manubhai Patel School of Architecture, India
8. Nepal Engineering College, Nepal
9. Sagarmatha Engineering College, Nepal

## Objectives

1. To support the internationalization process of partner Higher Education Institutions (HEIs) in India and Nepal to improve quality of higher education.
2. To promote regional and international cooperation by formulating internationalization strategies, capacity building of staff and establishment of an international office in the partner institutions.

## SAGARMATHA CAREER CENTER

Sagarmatha Engineering College aims to ensure hundred percent placements of its graduates. It realizes that academic performance of the students alone is not sufficient for a decent employment in today's highly competitive market and it, therefore, emphasizes on an overall personal and professional development of its students. With an objective to enhance an overall personal and professional development of the students and with a view to preparing them fully to compete in the job market, it has established a separate unit called Sagarmatha Career Center.

### Activities

- To help students in their career planning and to provide information about the current trends in local as well as global job market.
- To give various level of training compatible to the job market and to help them in exploring the skills they learnt.
- To bridge the gap between academics and Industry.
- To facilitate information about employment to the students via notices and emails.
- To organize talk programs, workshop and seminars.
- To facilitate internship and placement opportunities of the students in the appropriate firms.

## RESEARCH AND DEVELOPMENT UNIT

Sagarmatha Engineering College with an aim to strengthen and expand the research activities in the emerging areas of Engineering, Science and Technology, has established a Research and Development (R & D) Unit. It strives to uplift the quality of research activities and project works of students as well as faculty members with primary focus on problem based learning.

### R&D Unit is moving forward with the following objectives:

- Supports and enhances academic excellence.
- Create awareness and promote faculty and student participation for publication, research contributions and patents.
- Promotes and motivates students to organize and attend conferences/workshops/seminars or training.
- Provides suitable research and development infrastructure.
- Promotes faculty to write effective research proposals for funding agencies.
- Builds sustainable research partnerships with government, industry, and other universities.

# FACULTY AND STAFFS

## ADMINISTRATION

Name	Designation
Mr. Ramesh K. Shrestha	Principal
Mr. Arun Prasad Parajuli	Chief, Administration
Ms. Dakshina Shrestha	Chief, Academic
Mr. Chaturbhuj Bahadur Nepali	Sr. Account Officer
Ms. Danu Maya Jaisi	Librarian
Mr. Dilliram Bhattarai	Admin Officer
Mr. Dinesh Shrestha	System Administrator
Ms. Laxmi Aryal Pandey	Office Secretary
Ms. Salina Adhikari	Frontdesk Officer
Ms. Binu Chaudhary	Business Development Assistant
Ms. Romila Shakya	Asst. Librarian
Mr. Dipendra Shrestha	Lab Technician
Ms. Nanumaya Kafle	Lab Technician
Mr. Bhaij Chemjong	Lab Technician
Mr. Saroj K.C.	Office Assistant
Mr. Gaurab Das Basnet	Office Assistant
Mr. Hari Krishna Adhikari	Office Assistant
Mr. Chandra Tamrakar	Office Assistant
Ms. Sajana Shrestha	Office Assistant
Mr. Damodar Nepal	Office Assistant
Mr. Suman Khatri	Account Assistant
Mr. Kiran Jung Mahat	Office Assistant
Mr. Dhan Bahadur Magar	Office Boy
Mr. Kedar Prasad Acharya	Office Boy
Mr. Tara K.C.	Security
Mr. Shiwa Bahadur Basnet	Security
Mr. Dipendra Thapa	Security
Ms. Aarati Khadka	Office Helper
Ms. Achala Shrestha	Office Helper
Mr. Dev Ratna Maharjan	Gardener
Mr. Sawan Deula	Janitor
Mr. Bhakta Bahadur Bayalkoti	Driver

## ACADEMIC

Name	Designation
Ms. Ganga Subba	Associate Professor/Program Coordinator
Mr. Pratik Timilsena	Graded Lecturer/Year Coordinator
Mr. Pushkar Raj Pokhrel	Visiting Faculty
Mr. Semanta Raj Neupane	Visiting Faculty
Mr. Deepak Bhatta	Visiting Faculty
Mr. Keshab Dhimi	Visiting Faculty
Mr. Arun K. Agarwal	Visiting Faculty
Mr. Murari Karki	Visiting Faculty
Mr. Kishor Chalise	Visiting Faculty
Mr. Binaya K.C.	Visiting Faculty
Mr. Bishal Shakya	Visiting Faculty
Mr. Ganesh Khatri	Visiting Faculty
Mr. Bhupendra Saud	Visiting Faculty
Mr. Manish Aryal	Visiting Faculty
Mr. Vijay K. Yadav	Visiting Faculty
Mr. Amit Maharjan	Visiting Faculty
Mr. Arjun Saud	Visiting Faculty
Mr. Divya Chandra Yadav	Visiting Faculty
Mr. Ramesh Pokhrel	Visiting Faculty
Mr. Juned Alam	Visiting Faculty
Mr. Samir Giri	Visiting Faculty
Mr. Bhojraj Ghimire, PhD.	Visiting Faculty



# SISTER CONCERNS



In affiliation to Tribhuvan University, Sagarmatha Engineering College was established in year 2010 by a group of professionals dedicated to excellence in engineering education. Collaborating with experts and specialists, it is working as a hub of innovation and creativity. It is an intersection of disciplines, a launching pad for a brilliant career.

Programs offered:

- B. E. Civil
- B. E. Computer
- B.E. Electronics, Communication & Information
- B.E. Electrical (Proposed)

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



In association with educationalists and professionals from outside the country, Sagarmatha National College was established in year 2013 to provide international standard vocational training courses. In affiliation to Pearson's Education, UK, the college is offering the following Edexcel BTEC Professional courses:

- Pearson BTEC Level 3 Extended Diploma in IT
- Pearson BTEC Level 3 Diploma in IT
- Pearson BTEC Level 3 Subsidiary Diploma in IT
- Pearson BTEC Level 3 Certificate in IT
- Pearson BTEC Level 5 Diploma in Management and Leadership

The college has got approval from CTEVT, Nepal to conduct different short term vocational training courses.



With a view to provide world class data center facilities in Nepal, Cloud Himalaya was established in year 2013 by the field experts from in and outside the country in association with Sagarmatha Group. Vision of Cloud Himalaya is to empower and facilitate its business partners to focus on their business by outsourcing their data to be managed by experts. Its goal is to provide reliable and secure access to your data so that you can focus more on important goals of your organization.

- Colocation Service
- Cloud Service
- IT Consulting
- Data Center Built
- Application Management
- Software Development



**sagarmatha**  
COLLEGE OF SCIENCE & TECHNOLOGY  
TRIBHUVAN UNIVERSITY AFFILIATE

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Location Map