



**Soch College of IT,** affiliated to Tribhuvan University, focuses on providing qualitative and affordable **IT education.** 

## Welcome to **SOCH COLLEGE**



We have entered the era of technology, and I am thrilled to welcome you to our college to prepare for a future of innovation and success.

At Soch, we believe in doing things differently and correctly, which will enable our students to become leaders in their professions. I am confident that together we will continue to achieve great things.

Founder **Bikash Pahari** 



# Mission

Provide easy access to qualitative and affordable education to produce skillful human resources.

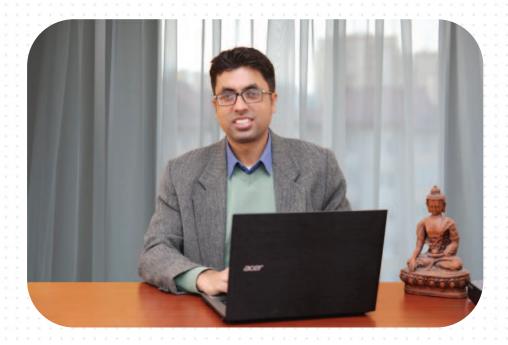


# Vision

Advance technical education through scholarship, leadership and practical exposure.



# Principal Message



As we embark on a journey of technology that will challenge and inspire you, it is our responsibility to equip you with the skills and knowledge needed to thrive in the world of information technology (IT).

Our state-of-the-art facilities and supportive lecturers are here to support you every step of the way.

The future of this college is bright, and I am honored to be part of this institution.

Principal

Sushil Adhikari
MSc Computer Science
Technical University, Berlin
Germany

# Course Structure BSc CSIT

**Duration:** 4 years (8 Semesters)

Degree Provided by: Tribhuvan University

Credit Hours: 124 Hrs

Class Timing: Morning (6:00 AM-11:00 AM)

Eligibility: 10+2 Science or Equivalent, must pass entrance exam conducted by IOST TU

#### **SEMESTER I**

- Introduction to Information Technology
- C Programming
- · Digital Logic
- · Mathematics I
- Physics

#### **SEMESTER II**

- Discrete Structure
- Object Oriented Programming
- Microprocessor
- · Mathematics II
- Statistics I

#### **SEMESTER III**

- · Data Structure and Algorithms
- · Numerical Method
- · Computer Architecture
- · Computer Graphics
- Statistics II

### **SEMESTER IV**

- Theory of Computation
- · Computer Networks
- Operating Systems
- Database Management System
- Artificial Intelligence

#### **SEMESTER V**

- · Design and Analysis of Algorithms
- System Analysis and Design
- Cryptography
- · Simulation and Modeling
- Web Technology
- · Elective I

#### **LIST OF ELECTIVES-I:**

- 1. Multimedia Computing
- 2. Wireless Networking
- 3. Image Processing
- 4. Knowledge Management
- 5. Society and Ethics in Information Technology
- 6. Microprocessor Based Design

# Course Structure BSc CSIT

#### **SEMESTER VI**

- · Software Engineering
- Compiler Design and Construction
- E-Governance
- NET Centric Computing
- Technical Writing
- · Elective II

#### **LIST OF ELECTIVES-II:**

- 1. Applied Logic
- 2. E-commerce
- 3. Automation and Robotics
- 4. Neural Networks
- 5. Computer Hardware Design
- 6. Cognitive Science

#### **SEMESTER VII**

- Advanced Java Programming
- · Data Warehousing and Data Mining
- · Principles of Management
- · Project Work
- · Elective III

#### **LIST OF ELECTIVES-III:**

- 1. Information Retrieval
- 2. Database Administration
- 3. Software Project Management
- 4. Network Security
- 5. Digital System Design
- 6. International Marketing

#### **SEMESTER VIII**

- Advanced Database
- Internship
- · Elective IV
- Elective V

#### LIST OF ELECTIVES-IV & V:

- Advanced Networking with IPV6
- 2. Distributed Networking
- Game Technology
- 4. Distributed and Object-Oriented Database
- 5. Introduction to Cloud Computing
- 6. Geographical Information System
- 7. Decision Support System and Expert System
- 8. Mobile Application Development
- 9. Real Time Systems
- 10. Network and System Administration
- 11. Embedded Systems Programming
- 12. International Business Management

We offer extra courses to enhance your learning experience and help you stay updated in the industry."



#### **Python Programming**

Learn core concepts, write efficient code, and build real-world applications to bulid your coding skills.



Learn to create models that generate content, from text to images and advanced AI techniques and applications.



Explore the future of digital transactions, develop smart contracts, and learn about decentralized applications.



#### **Flutter**

Learn Flutter programming and build beautiful, high-performance mobile apps. Master Dart, widget creation, and app deployment.



#### **Amazon Web Services**

Unlock the power of cloud computing with our AWS course. Learn to deploy, manage, and scale applications using AWS services.



#### Node.js

Learn to build fast, scalable server-side applications with our Node.js course. Master JavaScript, asynchronous programming, and API development to enhance your backend skills.



Learn to build robust, scalable applications using PHP's popular framework to enhance their backend skills and create dynamic web applications.



#### **Graphic Designing**

Unlock your creative potential with our Basic Graphic Designing Course.

This course will help you build a solid foundation in graphic design and start your journey in the creative industry.



#### **Hardware & Networking**

This course provides hands-on experience with assembling PCs, setting up networks, and understanding essential networking protocols.

# **Facilities**



Our computer lab has LAN of computers giving students access to a variety of tools and applications for practical sessions.



The networking lab is
equipped with enough CISCO
switches, routers, and
high-performance workstations
to support students in learning
network protocols, honing their
troubleshooting techniques,
and creating and
implementing safe network
architecture.



Our AI lab, equipped with 3D printers, Arduino, sensors, drones, high-performance servers, and i7/i9 computers, is made possible through a partnership with the All India Council for Robotics and Automation. It serves as a hub for creativity, experimentation, and AI model prototyping.



Ample sets of Microprocessor kits and Digital Logic trainers are available at Digital Lab to assist students with their practical sessions.

## **Facilities**



The College library contains around 3000 book titles as well as articles written by different authors and publishing houses.



Our facilities include table tennis, badminton, and a 7-a-side football field that encourages social interaction, skill development, and physical conditioning.



Our college's lecture hall is set up with modern furniture, visual aids, and large windows that let in plenty of natural light and air to provide a welcoming environment for studying.



At our cafeteria, which is perched at rooftop of the building, students unwind, and recharge during breaks between lectures.

We serve freshly prepared meals, snacks, and drinks at a reasonable price, all while enjoying a panoramic view of the Annapurna range.





### **Alumni**

### "Our Inspiration

# leaving a mark nationally and internationally"



The rigorous academic environment, and the supportive teachers provided me with a solid foundation that has greatly contributed to the successes in my career.

> Sufi Timilsina 2074 Batch, BSc CSIT Software Engineer(QA) Leapfrog Technology



The college has well-experienced faculty focused on practical education with modern infrastructure.

I am currently a backend developer at WOW Finstack Nepal, building a Card Management System using Java Spring Boot and PostgreSQL.

My education at Soch College of IT has prepared me well for a career in IT.

Bhanu Lamichhane

2074 Batch, BSc CSIT Backend Developer WOW Finstack Nepal



For my BSc CSIT degree in Pokhara, I was determined to find a college that would allow me to grow at my own pace. Soch College of IT stood out to me due to its excellent teachers, peaceful environment, and enthusiastic friends.

I'm proud to call myself an alumnus of this institution.

#### Seema Thapa

2071 Batch, BSc CSIT Senior Software Engineer ING Group of Nepal

## **Alumni**



Hari BK 2070 Batch, BSc CSIT Sub-Inspector IT Dep. Nepal Police



Kailash Dhewajoo 2071 Batch, BSc CSIT Network Security Administrator Shangrila Development Bank



Aadim Adhikari 2073 Batch, BSc CSIT Co-Founder Skiensoft



Prakash Acharya 2072 Batch, BSc CSIT Software Engineer Sun Life Financial USA



Nabin Magar 2074 Batch, BSc CSIT Programmer Jankari Tech



Suveckshya Giri 2073 Batch, BSc CSIT Network Engineer Vianet Communications



Prabin Dhungana 2074 Batch, BSc CSIT IT Support Opal care, Sydney Australia



Navaraj Pokhrel 2072 Batch, BSc CSIT Python and Machine Learning Engineer Olive group



Bijay Sharma 2071 Batch, BSc CSIT IT Support- Administration Peregrine Corporation Australia



Shangharsha Tripathi 2071 Batch, BSc CSIT IT Officer Nepal Reinsurance Company Ltd.



Prakash Shrestha 2074 Batch, BSc CSIT Flutter Developer Thulo Technology



Bishal Karki 2074 Batch, BSc CSIT Software QA Engineer Themegrill



Sunima Bhandari Chhetri 2075 Batch, BSc CSIT Software QA engineer E signature



Sumit Kakshapati 2072 Batch, BSc CSIT Senior Mobile Application Developer Rara Labs





# SOCH COLLEGE OF



Ranipauwa, Pokhara-11 (Behind NTC Building)



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