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SHAPING MINDS,
MOULDING DREAMS,
BUILDING CAREERS

MASTERS

Programmes



Nepal College of
Information Technology
(Affiliated to Pokhara University)

Message from the Chairman

Nepal College of Information Technology (NCIT) has been involved in passing on high end state of the art education to its students and producing quality graduates, catering to the needs of the industry and the academic sector, ever since it was established in the year 2001 A.D. It has always been our prime goal to assimilate the recent trends of the ever changing society into the daily teachings for quality enhancement.



The programs at NCIT have been able to create a distinct impression for itself amidst the students and the industry sector as well. The courses have been crafted with a view to enhancing the skills and ideas of the students that cope with the global demands. Here at NCIT, the focus is on delivering quality education to the students that equip them with the key foundations for their future lives in both employment and their communities.

We welcome you to become a part of the NCIT family and share the spirit of the true NCITian culture. We encourage you to enjoy the opportunity to achieve your goals while developing a desire for a lifelong learning. Together, we work towards making each student's experience at NCIT a rich and fulfilling one that broadens his or her intellectual horizons.

Er. Bachha Raj Tater
Chairman

Message from the Principal



Ever since Nepal College of Information Technology (NCIT) was established in the year 2001 AD, it has been involved, dedicated and committed to providing qualified graduates and post-graduates who are catering to the needs of the industry and academic sections of the country. NCIT has always tried and taken care of full potential of its students in order to make them responsible and professionally more capable. In future, our commitment and students' hard work together shall make this institution one of the leading institutions.

I extend my warm greeting and best wishes to the visionary prospective Students of NCIT.

Er. Bhoj Bahadur Dhakal
Principal



NCIT

Nepal College of Information Technology, popularly known as NCIT, was established in 2001 A.D. with a commitment to provide high end state-of-the-art IT related education in the country. Today, the college has evolved into a renowned and highly respected educational center with a strong commitment to provide quality education in the field of engineering and management studies.

As a leading institution of higher education, NCIT acknowledges that learning is a lifelong process. The educational foundation it provides to its students makes them able to manage the time properly and build their lives with professional success and responsibility. One of our most distinctive qualities is the close learning relationship that our students and faculties possess, and develop the potential as the place where everybody is somebody; the focus here at NCIT is 'one' in every student.

Evaluation and Grading

Pokhara University has adopted internationally recognized evaluation and grading system. Student's performance is evaluated in two phases-internally by the concerned subject teacher and the college end; externally by the office of the controller of examination through semester and examinations.

Students must pass the internal examination to appear in the final examination. Each student's performance in a subject is evaluated by the concerned faculty member through attendance, tutorial, lab works and assignments and by the college through unit tests and assessments. The internal evaluation of the students consists of the following criteria:

Pokhara University follows a four-point letter grading system which is as follows:

Graduate Level		
Grade	Points Per Grade	Identification
A	4.0	Excellent
A-	3.7	
B+	3.3	Good
B	3.0	Fair
B-	2.7	
C+	2.3	
C	2.0	
F	00	Fail

To be awarded a degree, a student must secure minimum CGPA of 3.0 for master's program.

Vision

Imparting knowledge and skill to the aspirants itself is a big challenge. As a part of teaching - learning process, the academic activities involved in this college are not simply the terminating act of delivering lectures by an instructor and listening by the students in the classroom; but they need to be exhilarating, enlivening, and inspiring. Concept, capability and confidence are the foundations of high-end challenges of technical education that students should receive during their stay at the college.

Education is simply not a function of awarding degree to the students in recognition; it is a continuous process of widening and strengthening the knowledge horizon in depth and expanding the scope of knowledge acquisition with an objective of bringing behavioral change among the students by making physically fit, morally good and academically sound that we are trying to fulfill. With this vision in the background, providing a pure academic environment and study atmosphere to the deserving students in the country, we have become aware of our challenge. NCIT is dedicated and committed to fulfill the present need of our global dimension.

Admission Procedure

Admission process usually starts from middle of June and classes commence from September every year.

- I. Forms are available from college reception desk or can be obtained from the college website. (www.ncit.net.np)
- II. Completed application forms are to be submitted along with Rs. 500/- as applications processing fee (non refundable).
- III. Entrance test shall be held at NCIT. The date and time will be notified during the submission of the form.
- IV. Admission will be taken on merit basis only.

Academic Schedule

The academic year consists of two semesters. The fall semester starts in September and the spring semester starts in February.

Withdrawal from the College

A written notice shall be given to the college if a student desires to withdraw from the college. All the fees shall be paid by the student up to the period of submission of written letter for withdrawal from the college.

Fee Structure

	M.Sc./ME	MCIS
Deposit (Refundable)	5,000	5,000
Admission Fee	30,000	30,000
Tuition Fee/Semester	50,000×4 = 2,00,000	37,500×4 = 1,50,000
Thesis	6,000	6,000
Free Students Union Fee	1,000	1,000
ID Card	100	100
Total	2,42,100	1,92,100

(All figures are in Nepali Rupees)

Note: 1% educational service charge will be added as per government rule.

- Fees shall be paid monthly. Late payments are subject to fine as per the college rule.

Timings: 5:30 PM - 8:45 PM (During Mangsir, Poush & Magh 4:30 PM – 8:00 PM)

Faculty Members

Prof. Dr. Rajendra P. Adhikari
 Prof. Dr. Shashidhar Ram Joshi
 Purna Prasad Sharma
 Suman Kumar Thapa
 Dilendra Bhatt
 Kumar Pudashini
 Saroj Shakya
 Prakshet Thapa
 Bhim Bhandari
 Pradip Poudel
 Dr. Satish Ojha
 Giriraj Regmi
 Suresh Pokharel
 Utsav Koirala

M. Sc. CS

M. Sc. Computer Science

In order to produce high quality computer graduates who are able to take up teaching positions at various undergraduate and graduate levels, conduct research works related to computer science and also capable to work in IT industry, this M.Sc. in Computer Science course has been designed.

Eligibility: B.Sc. in Computer Science/ Physics/Maths/Statistics or Bachelor of Engineering or equivalent (with minimum 2.0 CGPA or Second Division) from Universities recognized by Pokhara University.

1st Semester

MTH 611.3 Discrete Structure
 COM 601.3 Digital Logic and Computer Organization
 COM 609.3 Advance Problem Solving Technique
 COM 615.3 Object Oriented Software Engineering
 MTH 612.3 Algorithmic Mathematics

2nd Semester

COM 603.3 Theory of Computation
 COM 608.3 Advance Computer Architecture
 COM 605.3 Distributed Operating Systems
 COM 712.3 Data Communication and Computer Networks
 COM 714.3 Computer Graphics

3rd Semester

COM 730.3 Distributed Database Systems
 COM 724.3 Principles of Programming Languages
 COM 713.3 Artificial Intelligence
3 Elective - I
 COM 704.3 Real-Time Systems

4th Semester

COM 731.3 Data Warehousing and Data Mining
3 Elective - II
9 Thesis / Dissertation



M.E. CE

M. E. Computer Engineering

This course is designed to provide the opportunity of higher education in the field of computer engineering to engineering graduates. After completion of this course, the graduates can be involved independently in teaching, research in collaboration with international institutions and in computing and IT fields.

Eligibility: BE (all the branches) with minimum 2.0 CGPA or Second Division) from the Universities recognized by Pokhara University.

1st Semester

MTH 611.3	Discrete Structure
COM 609.3	Advance Problem Solving Technique
COM 615.3	Object Oriented Software Engineering
MTH 612.3	Algorithmic Mathematics
COM 602.3	Digital System Design

2nd Semester

COM 603.3	Theory of Computation
COM 608.3	Advance Computer Architecture
COM 605.3	Distributed Operating System
COM 714.3	Computer Graphics
COM 613.3	Mobile and Wireless Communication

3rd Semester

COM 730.3	Distributed Database System
COM 706.3	Image Processing and Pattern Recognition
COM 713.3	Artificial Intelligence
COM 732.3	Network Security
.....3	Elective - I

4th Semester

COM 733.3	Multimedia Computing
.....3	Elective - II
COM 722.9	Thesis / Dissertation

The bigger system perspective is really needed to meet different requirements of different IT markets.



It's a lot better to get extensive training with more depth in academic setting and reinforce course materials with read world stuff. Overview of the process and depth of knowledge about process could really be useful in applying to our group. I've already learned things from this program that I can take right to my job.

This is really a great opportunity for someone looking to move up in computer engineering field.

Er. Shiva Raj Pokhrel
M.E.Computer 2nt semester
(NTC)

I have been a part of NCIT since 2001. I have completed my BEIT from the college.



Friendly environment with experienced teaching faculties, helping staff, & adequate resource materials drove me back at NCIT for my higher studies.

In addition to regular academic activities, various conferences, seminar, extra-curricular activities are also part of NCIT. I foresee NCIT as one of the best colleges established in Nepal. I am proud to be an NCITian.

Lal Bhadur Saud
ME 2nd Semester
(Nepal Police)

NCIT has shown the way forward in the field of IT by fully committing itself in the development of IT professionals. NCIT has pioneered high quality graduate programs as well as equally good undergraduate programs.



Giriraj Regmi
Computer Programmer
IT, Division, Agriculture Development Bank,
Head Office, Kathmandu, Nepal

STUDENT VOICE

MCIS

Master of Computer & Information System

Computer has been the field of interest for many individuals who are not computer engineers. The wide application of computers has further encouraged the individuals to undertake computer education. The introduction of new courses such as BCIS / BIT / BIM / BCA and the like has put further pressure and challenge before the education institutions to design the courses that helps them pursuing higher study in the field of computer and information. This course will help the students in becoming IT professionals, managers and teachers.

Eligibility: BIT/BCA/BCIS/BIM or equivalent (with minimum 2.0 CGPA or Second Division) from the Universities recognized by Pokhara University.

1st Semester

MTH 611.3	Discrete Structure
MNG 7....3	Ethical and Professional Issues in IT
COM 733.3	Software Project Management
COM 720.3	Distributed Database Systems
.....3	Elective - I

2nd Semester

MNG 605.3	Organization Behavior and Human Resource Management
MNG.....3	Operation Research
COM 734.3	Visual Programming
.....3	Elective - II
COM 722.3	Project Work

3rd Semester

COM 734.3	Image Processing and Pattern Recognition
COM 713.3	Artificial Intelligence
COM 704.3	Real-Time Systems
.....3	Directed Studies
.....3	Elective - III

4th Semester

COM 735.3	Data Warehousing and Mining
.....3	Seminar and Presentations
.....9	Thesis / Dessertation

Pokhara University

Pokhara University was established in 1997 under the Pokhara University Act enacted by the parliament of Nepal in the year 1996. In a very short span of time, Pokhara University has been able to create a niche for itself in the field of higher education in Nepal. It is a fast growing University and has earned a good reputation for its excellence in higher education.

Pokhara University started its programs with participation of private institutions. At present, there are 23 academic institutions under its affiliation where Bachelor, Master, M. Phil. and Ph.D. degree programs are running. There are about 5000 students altogether in 37 programs.

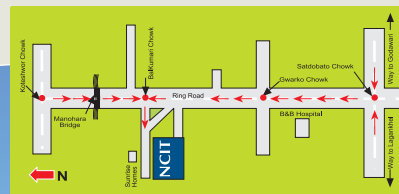
Pokhara University has signed Memorandum of Understanding (MoU) with the following national and international Universities / Institutions.

1. University of Roorkee, Roorkee, INDIA
2. Independent University, Dhaka, BANGLADESH
3. Showa Pharmaceutical University, Machida-Shi, Tokyo, JAPAN
4. Ball State University, Munice, Indiana, USA
5. Tribhuvan University, Kathmandu, Nepal
6. Institute of oriental Medicine, Dongguk University, Kyung Pook, Korea.
7. Institute of National Medicine, Toyama Medical and Pharmaceutical University, Toyama, Japan.
8. National University Corporation Ehime University, Japan.
9. Graduate School of Pharmaceutical Science, Faculty of Medical and Pharmaceutical Sciences, Kumamoto University, Kumamoto, Japan.
10. Bodo University College, Norway.
11. Panjab University, Chandigarh, India.
12. Sun Moon University, Korea and the College of Law of Sun Moon University.
13. Asian Institute of Technology, Bangkok Thailand.
14. University of Tromso, Norway.
15. Institute of Foreign Trade & Management, Moradabad, UP, India.
16. KIIT University, Bhubaneswar, India.
17. Information Technology Research Institute and BK21 U-Business Service Model and Platform Research Team and Information System Sector in Graduate School of Business IT, Kookmin University, Seoul, Korea.
18. Jilin University, China.
19. IUBAT-International University of Business Agriculture and Technology, Dhaka, Bangladesh.

(Source: www.pu.edu.np)

Undergraduate Programs @ NCIT

- B.E. Computer
- B.E. Information Technology
- B.E. Electronics & Communication
- BBA
- B.E. Civil Engineering (Proposed)



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