



Bulletin of Institute of Science and Technology 2018

(An Official Publication of Dean's Office, Institute of Science and Technology, Tribhuvan University)

विज्ञान तथा प्रविधि अध्ययन संस्थानको बुलेटिन
२०७४



Proposed Administrative Building of Institute of Science and Technology

EDITORIAL

We have an immense pleasure in bringing out this annual official bulletin of Science & Technology (IoST), Tribhuvan University. It is undeniable fact that IoST has made a marked progress in terms of faculty strength, student enrollment, horizontal and vertical growth of campuses, teaching & research programs, faculty developments, publications and evaluations etc. The essence of Science & Technology for overall development of country has been realized than ever before.

This bulletin basically contains the information & statistics relating to Educational & Personnel Administration, Examination, Research Activities of Dean's office, as well as the Research Activities & publications of it's Central Departments, Constituent Campuses, Affiliated Campuses & National History

Museum. We hope this bulletin will serve one of the important steps in fulfilling the objectives, mission & vision of IoST for strengthening the IoST in the direction of effective Educational Administration, Personnel Administration, Research & Examination. We convey our deep gratitude to the dean of IoST Prof. Dr. Ram Prasad Khatiwada, the heads of Central Departments, campus chiefs, assistant campus chiefs, faculties, supporting staffs, designer, all helping hands for their nice cooperation in bringing out this bulletin in such a lucid way in a short time. Despite our careful attentions, there might be some errors crept in the bulletin. Any suggestions & comments for the further improvement of the bulletin will be thankfully received and will be incorporated in the forthcoming issue.

Bulletin Publication Committee 2018



TRIBHUVAN UNIVERSITY
Kirtipur, Kathmandu, Nepal

OFFICE OF THE VICE CHANCELLOR



June 4, 2018

MESSAGE FROM THE VICE CHANCELLOR

It gives me immense pleasure to observe the successful publication of the **Bulletin of Institute of Science & Technology, Tribhuvan University**. I firmly believe that the science of today is the technology of tomorrow. I hope the useful information contained in the bulletin will prove boon to all those who are interested in Science & Technology.

Institute of Science and Technology has made significant progress in terms of teaching and research and playing an active role to produce skilled human resources and knowledge that our country needs. I congratulate all the dedicated authorities, teachers and supportive staff members for making a long glorious history of the Institute.

I would also like to congratulate the painstaking efforts of coordinator and all the members of Bulletin Publication Committee for bringing out this Bulletin in such a nice form and hope that the Institute of Science and Technology continues with its excellent work in the days to come.

T. R. Khanija
Prof. Tirth Raj Khanija, PhD
Vice Chancellor



Tribhuvan University
OFFICE OF THE RECTOR
Kirtipur, Kathmandu, Nepal

Ref. No.:

Message From Rector

I feel much delighted to know that the **Bulletin of Institute of Science & Technology, Tribhuvan University** is being published by IOST, TU. I personally believe that the Institute of Science & Technology has been maintaining its excellence and devoted to produce highly qualified human resources in diversified disciplines of Science & Technology for development of the country. I appreciate and congratulate the wonderful effort of Bulletin Publication Committee including all helping hands to bring out such a useful bulletin. I hope the IoST will be ever prosperous and will expand more under the dynamic leadership of the Dean & the Assistant Deans with coordination of TU authorities, all Heads of the Central Department, Campus Chiefs, faculties, staffs and students.

Sudha
Prof. Dr. Sudha Tripathi
Rector



Tribhuvan University
OFFICE OF THE REGISTRAR
Kirtipur, Kathmandu, Nepal

Ref. No.: 228



June 4, 2018

Message from Registrar

It is a matter of great pleasure to know that the Institute of Science and Technology is publishing the **Bulletin of Institute of Science and Technology, Tribhuvan University**. Research and publication plays significant role in the advancement of society. We have seen in history how researchers have led to great discoveries that have advanced the lives of people. I am quite confident that the information contained in the bulletin will prove to be a good source of knowledge to the readers.

Finally, I would like to take this opportunity to congratulate the Bulletin Publication Committee Editorial Board including all those who have been involved in bringing out such a valuable bulletin.

Dilli Ram Upreti
Dilli Ram Upreti
Registrar



TRIBHUVAN UNIVERSITY
Institute of Science and Technology
DEAN'S OFFICE
Kirtipur, Kathmandu, Nepal

Reference No.:



June 4, 2018

Message from Dean

It is my great pleasure that the Institute of Science & Technology is publishing **Bulletin of Institute of Science & Technology, Tribhuvan University**. I believe in better education today for better world tomorrow. Despite several limitations, IoST has been persistently marching ahead in its unrelenting mission of strengthening and modernizing the Science & Technology Education in Nepal. Science & Technology are key drivers to development because technological and scientific revolutions underpin economic advances, improvement in health system, education and infrastructure. With great happiness, I must appreciate the untiring efforts of the Bulletin Publication Committee for bringing out such a nice & useful bulletin despite several limitations.

Ram Prasad Khatiwada
Prof. Dr. Ram Prasad Khatiwada
Dean

Introduction and Recent Activities of Institute of Science & Technology, Tribhuvan University

General Introduction to Tribhuvan University

Tribhuvan University (TU) was established on July 14, 1959. It is the oldest and the largest University in Nepal. TU is autonomous university mainly financed by the government of Nepal. TU has four faculties (Education, Humanities & Social Sciences, Management and Law), five institutes (Medicine, Agriculture & Animal Sciences, Engineering, Forestry, and Science & Technology), four research centers [Centre For Economic Development & Administration (CEDA), Center for Nepal & Asian Studies (CNAS), Research Center For Applied Science & Technology (RECAST) , and Research Center For Educational Innovation & Development (CERID)], 60 constituent campuses, 39 Central Departments and 1084 affiliated Campuses throughout the country. The University offers Bachelor's, Master's, M. Phil., & Ph.D. Degrees in different disciplines at its technical institutes and faculties.

Brief History of Science Education in Nepal

The program in basic science was introduced in Nepal with the establishment of Tri-Chandra College back in 1918 A.D. Intermediate of Science was initiated in this college in 1919 AD under affiliation with Calcutta University and later with Patana University of India. In 1947, the college introduced the Bachelor's level programs in Science for the first time in history of Nepal. Master's level program in Mathematics was however, started a bit earlier in 1959. Later various disciplines of the science were added to the existing programs of core basic sciences such as Chemistry, Physics, Botany, Zoology and Statistics and as applied Sciences such as Geology, Microbiology, Environmental Sciences, Food Technology, Computer Science and Information Technology & Biotechnology. Efforts to introduce new disciplines in Science and Technology are still continued for the advancement of Science and Technology.

An Introduction to Institute of Science & Technology (IoST)

The Institute of Science and Technology (IoST) is one of the oldest, largest & pioneering technical Institutes in Tribhuvan University with 13 Central Departments, 25 constituent campuses and 103 affiliated campuses. This Institute has come to the present form after facing many challenges and preparing scientifically oriented technical man power of different levels to meet the requirements of the nation. All the Central Departments run regular Master and Ph.D. Programs. Out of 25

constituent campuses under IoST, many campuses run both the Bachelor's and Master's level programs whereas some of them conduct Ph.D. programs through the concerned Central Departments.

A large number of students work on scientific research projects of varied nature at the postgraduate (M.Sc.) level. The number of Research Scholars doing Ph. D. in different areas has been increasing every year. For the first time in the history of IoST, 58 Ph.D. Students appeared in Entrance Examination conducted by IoST in the year 2017. The IoST has given high priority to collaborative exchange programs for strengthening capacity of the faculties, research scholars, students and staffs. For this purpose, the IoST and the Central Departments have been trying their best to establish & extend linkage and coordination with different ministries, national and international organizations and academic institutions.

Vision and Objectives

IoST intends to promote the academic and research quality of its departments and develop them as Center of Excellence by setting up well equipped laboratories, libraries, infrastructures employing skilled Human Resources and providing advisory services in close collaboration with national and international agencies. Ultimately, it aims at creating a scientific values and culture in society and improving the quality of life of the people. The main objectives of IoST are:

- To create and implement scientific values & culture in society.
- To produce/ develop highly skilled human resources in Science & Technology.
- To introduce, promote and implement new subjects in Science & Technology.
- To provide infrastructures/facilities for research and teaching.
- To mobilize resources for overall development of Science & Technology.
- To establish linkages with the national and international organizations for collaborative work in the areas of Science & Technology,
- To organize seminars, workshops, conferences, trainings, orientations and refresher courses at all levels.

Former Deans & Assistant Deans of IoST

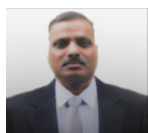
Deans	Assistant Deans	
Prof. Dr. Shankar P. Pardhan
Prof. Dwija Raj Upreti
Prof. Suresh Raj Chalise
Prof. Dr. Saraswati P. Rimal
Prof. Dr. Shiva Prasad Dhaubhadel	Prof. Dr. Krishna Manandhar	Prof. Dr. Umakanta Ray Yadav
Prof. Dr. Krishna Manandhar	Prof. Jagat Bahadur KC Prof. Badri Nath Shrestha Asso. Prof. Ananda P. Pradhan	Prof. Dr. Lok Narayan Jha Prof. Dr. Pradeep K Bhattarai Asso. Prof. Tilak Man Shrestha Asso. Prof. Madhushudan Lal Rajbhandari
Prof. Dr. Govinda P. Sharma Ghimire	Prof. Dr. Dilip Subba Asso. Prof. Ashok Kumar Koirala	Dr. Amar Gurung
Prof. Dr. Dilli Devi Shakya		
Prof. Dr. Bishal Nath Upreti		Prof. Dr. Ganga P. Kharel
Prof. Dr. Bina Ranjan Ghimire Baral	Prof. Dr. Madan Koirala	Prof. Dr. Nanda B. Maharjan
Prof. Dr. Mukunda Prasad Gajurel	Prof. Pashupati Mishra	Asso. Prof. Sumal Lal Shrestha
Prof. Chirika Shova Tamrakar	Prof. Dr. Chet Raj Bhatta	Asso. Prof. Satya Narayan Shah

Present Dean & Assistant Deans



Dean

Prof. Dr. Ram Prasad Khatiwada
ramktd@gmail.com
977-1-4330844



Assistant Dean

Prof. Dr. Ram Narayan Jha
ramnarayan_jha@yahoo.com
977-1-4330844



Assistant Dean

Prof. Dr. Shambhu Prasad
greenrevolution1980@gmail.com
977-1-4330844



Assistant Dean

Dr. Khageswar Mandal
khageswarmandal@gmail.com
977-1-4330844



Assistant Dean

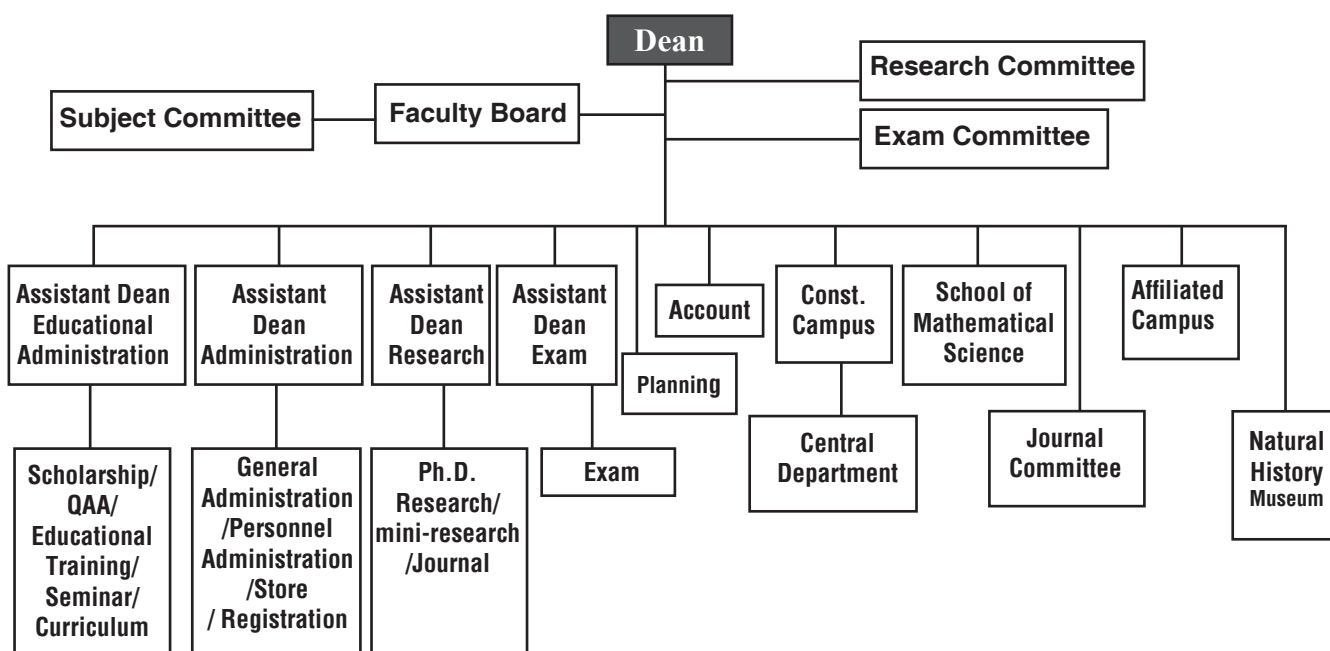
Mr. Tej Bahadur B C
btejbandari@gmail.com
977-1-4330120

Supporting Staffs of Dean's Office, IoST

S.N.	Name	Post	Section
1.	Jawaharbhai Prajapati	Co-Finance Controller	Account
2.	Rama Bajracharya	Deputy Administrator	Exam
3.	Krishna Hari Acharya	Section Officer	Planning, Personnel Administration, General Administration
4.	Raju Thapa	Account Officer	Account
5.	Batu Prasad Adhikari	Account Officer	Account
6.	Indumaiya Rajopadhya	Head Office Assistant	Research
7.	Mukunda Prasad Dulal	Head Office Assistant	Store
8.	Bimala Pokharel	Head Office Assistant	Personnel Administration
9.	Binod Koirala	Head Office Assistant	Exam
10.	Ram Prasad Wagle	Head Office Assistant	Exam
11.	Sangita Shrestha	Head Office Assistant	Exam
12.	Nilu Shrestha	Head Office Assistant	P.A. (Dean)
13.	Upendra Subedi	Head Office Assistant	Administration

S.N.	Name	Post	Section
14.	Anju Dawadi	Head Account Assistant	Account
15.	Sabina Khadka	Head Technical Assistant (Computer)	Exam
16.	Urmila Maharjan	Head Technical Assistant (Computer)	Exam
17.	Sweta Tuladhar	Head Technical Assistant (Computer)	Account
18.	Meena Shrestha	Office Assistant	Administration
19.	Jaluram Chaudhary	Technical Assistant (Computer)	Exam
20.	Asmita Dahal	Technical Assistant (Computer)	Exam
21.	Sunita Koirala	Memographer	Administration
22.	Krishna Bahadur Tamang	Senior Office Helper	Exam
23.	Maina Pode	Senior Office Helper	Administration
24.	Binabati Tamang	Office Helper	Administration
25.	Basu Dev Thapa	Office Helper	Administration
26.	Mohan Maharjan	Office Helper	Administration
27.	Krishna Khatri	Office Helper	Exam
28.	Hum Kumari Baral	Office Helper	Administration
29.	Rita Lamichhane	Office Helper	Exam
30.	Roshan Tamang	Driver	
31.	Mega Raj Shrestha	Driver	
32.	Buddha Maharjan	Driver	

Institute of Science & Technology, TU Structure



RECAST

Research Centre for Applied Science and Technology (RECAST), under the auspices of Tribhuvan University is the only institution devoted entirely to the research and development activities in the area of science and technology. It is primarily concerned with the improvement and generation of technological capability in bringing science and technology for development and utilization of country's resources as well as with the dissemination of socioeconomically feasible and

environmentally sustainable technologies at large. It was established on Bhadra 23, 2034 (September 8, 1977) under the present name. Prior to this, it was functioning under the name of Institute of Applied Science and Technology which was established in Dharan, in July 1973, with the teaching programs of Food Technology and Laboratory Technology. RECAST plans to be valued, developed and managed as a Centre of Excellence for

basic and applied science, and innovation technology for the essential contribution to human well-being.

Its mission is to contribute to scientific and local communities for enhanced R & D through optimum utilization of natural resources, improvement and dissemination of socioeconomically relevant technologies to the communities and institutions concerned. RECAST will be developed as an autonomous and self-sufficient centre encouraging

dynamic research. To ensure this mission, strategic partnerships with national and international academic institutions, government, private and business sectors, and community-based organizations are undertaken. The students enrolled in master level and PhD level in different departments of IoST can undertake their research activity collaborating with RECAST. In the present days some of the scholars are actively doing their research in RECAST.

Natural History Museum

The Natural History Museum (NHM) is situated on a hummock of the world heritage site of ancient Swayambhu Stupa. This museum was established in 1975 under the management of Institute of Science & Technology, Tribhuvan University, with some original objectives of collecting, preserving, conducting studies and displaying the natural heritage of our country. Museums like NHM enable people to explore collections for inspiration, learning

and enjoyment. They are institutions that collect, safeguard and make accessible the collections and specimens, which they hold in trust for the society. The foci of NHM are tracing, collecting and preserving the holistic natural artefacts on the subjects of Anthropology, Botany, Geography, Geology, Earth history, Zoology and many more like evolution environmental issues and biodiversity.

Recent Academic Programs of IoST

Annual	Semester	Master's Level Programs	M. Phil.	Ph.D.
		Semester	Semester	Semester
B.Sc. 4 year (running from 2012 batch), B.Tech. (Food), B.Sc. (Nutrition and Dietetics)	B.Sc. CSIT (Computer Science and Information Technology), B.Mathematical Science	M.Sc. CSIT M.Sc. Math M.Sc. Microbiology M.Sc. Environmental Science M.Sc. Statistics M.Sc. Bio-Technology M.Sc. Biodiversity and Environmental Management M.Sc. Physics M.Sc. Chemistry M.Sc. Zoology M.Sc. Botany M.Sc. Geology M.Sc. Hydrology & Meteorology M.Sc. Engineering Geology M.Tech. Food Technology	M.Phil. (Math).	Biotechnology Botany Chemistry CSIT Environmental Science Food Technology Geology Hydrology & Meteorology Mathematics Microbiology Physics Statistics Zoology.
To be launched in near future(semester) BIT MIT M. Mathematical Science M.Sc. Virology M.S.in Integrated Mountain Study				

Ph.D. Degree Awarded From IoST {till 15th April 2018 (2074 Chaitra)}

S.N.	Name	Subject	Title	Date of Completion
1.	Binu Lohani	Chemistry	Synthesis of coordination complex inorganic compound	1975
2.	Prayag Man Khwanju	Botany	Cytotaxonomical Studies on the Polypodiaceous feans of Bagmati Zone	1979
3.	Krishna Prasad Awal	Chemistry	Physiochemical Studies on the Interaction of dyes with some local clays	1981
4.	Pradyumna Prasad Wagle	Chemistry	The ISO flavonoid constituents of <i>Sophora Moorcroftiana Benth</i>	1985
5.	Shiv Ram Vaidya	Chemistry	Deethionaylation of the oxides of 2-5 dephenyl 1,4 , dithin system	1985

S.N.	Name	Subject	Title	Date of Completion
6.	Bina Ranjan Ghimire	Math	Mathematical Modelling of the surface layer with some potential applications with special reference to Nepal.	19/02/1990
7.	Kedar Nath Baral	Physics	A study on the electrical behaviors of Kathmandu Thunderstorms.	24/12/1990
8.	Gajendra Bahadur Thapa	Mathematics	John constant for polynomials.	10/03/1991
9.	Shanti Bajracharya	Mathematics	Analytical and group theoretic study of some special functions	24/02/1995
10.	Shyam Ratna Shakya	Botany	Cytogenetical studies in the genus primula L. and its allies of Nepal Himalayas	29/11/1992
11.	Sushila Bhattarai	Botany	Cytotaxonomical study and breeding behavior in some orchid genera of Nepal.	24/06/1993
12.	Pooran Prasad Shrestha	Chemistry	Phytochemical studies on the cyanogenic plants of Nepal.	16/04/1996
13.	Mukesh Kumar Chalise	Zoology	Comparative study of feeding ecology and behaviour of male and female langurs (<i>Presbytis entellus</i>)	17/02/1997
14.	Bharat Mani Pokhral	Microbiology	Clonal analysis of haemophilus influenzae.	17/07/1997
15.	Tara Keshari Rajbhandari	Botany	Cytotaxonomical studies in the genus arisaema mart and its allies of Nepal.	27/07/1998
16.	Rochana Maiya Joshi	Botany	Mycotoxigenic fungi and their metabolite or derivative in Corn grown in Nepal	16/05/2000
17.	Pramod Kumar Thakur	Geology	Geomorphological evolution and environmental assessment of the Arun River valley watershed, Eastern Nepal.	26/06/2003
18.	Jeevan Jyoti Nakarmi	Physics	Study of Magnetic field generation and its effect on the energy transport in the corona of laser fusion plasma.	26/09/2000
19.	Lokesh Ratna Shakya	Botany	Revision of the genus oberonia Lindl. (Orchidaceae) in the Himalayas.	26/09/2000
20.	Nanda Bahadur Maharjan	Physics	Study of phase transformations in Chalcogenide glasses.	19/06/2003
21.	Kanti Shrestha	Chemistry	Phytochemical and biological studies on some Himalayan high altitude medicinal conifers of Nepal.	22/05/2003
22.	Shashi Nath Jha	Botany	Ecological study of some grasses and forbs of Morang District, Nepal	25/12/2003
23.	Chanchal Kumar Chakrabarti	Geology	Geology and geochemistry of the Zinc-lead deposit of Ganesh Himal, Central Nepal Himalaya.	18/12/2003
24.	Anjali Maiya Shrestha	Botany	The study on the diversity of trifolium repens L. (white clover) in Nepal.	25/09/2003
25.	Lochan Prasad Devkota	Hydrology and Meteorology	Climate variability over Nepal : observation, forecasting, model evaluation and impacts on agriculture and water resources.	25/05/2005
26.	Chinta Mani Pokhrel	Mathematics	Convexity preservation for analytic harmonic and plane curves.	16/02/2005
27.	Kalu Ram Rai	Zoology	Environmental impacts, systematics and distribution of herpetofauna from East Nepal.	30/03/2005
28.	Devendra Manand Bajracharya	Botany	The genus eria lindely (Orchidaceae) in the Himalayas – A taxonomic revision	27/06/2005
29.	Shambhu Prasad	Statistics	Models for estimating infant mortality rates for Nepal.	25/05/2005
30.	Ram Chandra Prasad	Botany	Studies on screening and biology of some of the potential blue-green algae (cyanobacteria) as a source of biofertilizer from the rice fields of Bagmati and Narayani zones of Nepal	11/05/2005
31.	Chandra Bahadur Thapa	Botany	Ecological study of crop-weed competition with special reference to paddy and various methods of weed control in Pokhara, Nepal	29/03/2005

S.N.	Name	Subject	Title	Date of Completion
32.	Kanta Poudyal	Botany	Plant water relation of some selected Himalayan tree species at Phulchowki hill, Kathmandu	29/03/2005
33.	Belai Meeta Singh	Botany	Micropropagation and cultivation of some legume Trees of Nepal	15/03/2006
34.	Naresh Kaji Tamrakar	Geology	Petrographic properties and their relationship with Engineering properties of the Siwalik sandstones of central Nepal.	21/03/2006
36.	Kamal Mani Baral	Math	A study on Function space and related topics.	25/07/2006
36.	Sanju Shrestha	Physics	Electronic transport in Bulk and quantized low dimensional semiconductor system.	14/11/2006
37.	Ras Bihari Mahato	Botany	Deversity, use and conservation of Plants in Palpa District, Nepal	15/03/2007
38.	Mohan Prasad Panthi	Botany	Plant diversity and resource utilization in Arghakhanchi and Manang district, Nepal.	13/05/2007
39.	Buddha Laxmi Vaidya	Botany	Study of cytogenetic diversity in Ranunculaceae	09/07/2007
40.	Laxmi Manandhar	Botany	Cytogenetical studies in the genus desmodium desv. and its allies of Nepal Himalayas.	11/07/2007
41.	Suman Bala Srivastava	Botany	Morphotaxonomy of foliicolous hyphomycetes of horticultural plants and their weeds in Nawalparasi and Chitwan districts of Nepal.	2007
42.	Srijan Lal Shrestha	Statistics	Statistical modeling of human health impact assessment linked to air pollution by exposure to different microenvironments.	28/12/2007
43.	Basista Prasad Rijal	Microbiology	Study of multi –drug resistance Tuberculosis in Nepal.	24/01/2008
44.	Narayan Prasad Rai	Chemistry	Phytochemical and biological studies on i) coriaria nepalensis wall. Coriariaceae, ii) Sarcococca hookeriana baillon. Buxaceae and iii) sarcococca coriacea (Hook.) sweet, Buxaceae of Nepalese origin.	10/02/2008
45.	Surya Raj Niraula	Statistics	Development of models to identify the risk factors for Drug abuse.	01/09/2008
46.	Madhusudan Man Singh	Zoology	Pollination ecology of common buckwheat (<i>Phagopyrum esculentum</i> M.)in differint agroecozones of Nepal with particular reference to the role of the Himalayan Honeybee, <i>Apis cerana</i> F.	17/05/2009
47.	Sajan Amatya	Chemistry	Phytochemical investigation of <i>eupatorium odoratum</i> L. for cytotoxicity, antimicrobial and antioxidant activities.	19/08/2009
48.	Bishnu Raj Tiwari	Microbiology	Immune status of HIV patients in Nepal.	09/11/2009
49.	Kumudini Shakya	Botany	Responses of some mosses to toxic heavy metals and their evaluation for biomonitoring	16/11/2009
50.	Baby Sharma	Botany	Responses of some vegetable crops to toxic heavy metals.	10/03/2010
51.	Geeta Shrestha	Botany	Influence of mycorrhizal fungi in stabilising soils subjected to erosion in Nepal.	26/03/2010
52.	Nirmala Pradhan	Botany	Bryoflora of low Nepal : Tarai and Churia Hills.	02/04/2010
53.	Shandesh Bhattarai	Botany	Ethnobotany and antibacterial activities of selected medicinal plants of Nepal Himalaya.	30/04/2010
54.	Deepak Raj Pant	Botany	Transformation of Nepalese cultivars of spring wheat with knotted 1 gene and increase in productivity by delaying senescence of flag leaves.	21/05/2010
55.	Nina Pandey	Botany	Mushroom diversity in Nepal : An ethnomycological"	11/07/2010
56.	Ramola Ranjitkar	Zoology	Ecological study of ichthyofauna in upper Sunkoshi river.	30/07/2010

S.N.	Name	Subject	Title	Date of Completion
57.	Jishnu Mohan Bhattarai	Statistics	Determinants of Yield Rates in Nepalese Agriculture by Using Suitable Model for Nepal.	13/09/2010
58.	Bharat Babu Shrestha	Botany	Ecology and Phytochemistry of Selected Medicinal Plants in Central Nepal.	2/12/2010
59.	Sangeeta Rajbhandary	Botany	Systematic Revision of the Genus Begonia L. (Begoniaceae) in the Himalayas	28/12/2010
60.	Shyam Prasad Mahto	Zoology	Taxonomic Studies on Dung Beetles (Coleoptera: Scarabaeidae: Coprinae) of Dhanusha District, Nepal.	25/03/2011
61.	Keshab Parajuli	Microbiology	Standardization of PCR for the Diagnosis of Malaria in Nepal.	25/04/2011
62.	Raj Man Shrestha	Statistics	Measuring Changes in Cropping Patterns and the related Factors.	28/04/2011
63.	Ram Prasad Khatiwada	Statistics	Bayesian Modelling Approaches on some Issues of Agro-Food Production and Quality Control	07/07/2011
64.	Anjana Devkota	Botany	Ecophysiological Study of Centella Asiatica (Linn) Urban of Nepal	23/09/2011
65.	Susanna Phoboo	Botany	Ecophysiological Study of Swertia Chirayita, an Important Himalayan Medicinal Plant from Nepal.	27/12/2011
66.	Shree Ram Khadka	Mathematics	Mixed- Model Just –in –time Sequencing Problem	27/01/2012
67.	Armila Rajbhandari (Nyachhyon)	Chemistry	Investigation on Inorganic Salts Based ion Selective Electrodes	03/02/2012
68.	Sudarshan Bhandari	Geology	Plant Macrofossil from the Quaternary Sediments of the Kathmandu Valley and its Paleoclimatic Implications.	05/08/2012
69.	Rejina Maskey	Chemistry	Development of low cost passive sampling diffusion tubes for spatial monitoring of NO ₂ , SO ₂ and O ₃ in Kathmandu Valley	06/08/2012
70.	Krishna Kumar Pant	Botany	In vitro Morphogenesis of Asparagus racemosus Willd. and Rauwolfia Serpentina (L.) Benth. ex Kurz	23/08/2012
71.	Puspa Lal Homagai	Chemistry	Studies on the development of natural cation exchanger for heavy metals removal	14/10/2012
72.	Amita Pradhan	Statistics	Nutritional status among under five children and their mothers with gender perspective	23/12/2012
73.	Gyan Bahadur Thapa	Mathematics	Characterizations of just-in-time sequencing problems with apportionment and supply chain	27/12/2012
74.	Shree Krishna Adhikari	Hydrology and Meteorology	Estimation of Crop Water Requirement of Rice and Wheat Based on Meteorological Data of Hills (Khumaltar, Lalitpur; Lumle, Kaski) and Terai (Khajura, Banke; Bhairahawa, Rupandehi) of Nepal.	29/03/2013
75.	Dhan Bahadur Karki	Food Technology	Improvement on Traditional Millet Fermentation Process and its Brewing Quality Assessment.	20/05/2013
76.	Surendra Bahadur Katawal	Food Technology	Technological and Nutritional Evaluation of Sel -roti.	20/05/2013
77.	Him Lal Ghimire	Statistics	Impacts of Pilgrimage Tourism for Sustainable Tourism Development.	07/11/2013
78.	Naresh Manandhar	Statistics	Determinants of Primary School Drop out in Chitwan and Nawalparasi.	10/11/2013
79.	Kanchan Prasad Adhikari	Physics	Current Status of Radiation Protection in Different Hospitals in Nepal.	25/05/2014
80.	Indra Bahadur Karki	Physics	Fabrication, Characterization of Zinc Oxide Thin Film Nanorod in Dye-Sensitized Solar Cells and Gas Sensors	16/06/2014
81.	Netra Lal Bhandari	Chemistry	Morphology and Deformation Behaviour of Natural Fibers-Thermoplastics Composites.	18/06/2014

S.N.	Name	Subject	Title	Date of Completion
82.	Kabi Raj Paudyal	Geology	Geological and Petrological Evolution of the Lesser Himalaya between Mugling and Damauli, central Nepal.	21/07/2014
83.	Sabina Singh Shrestha	Botany	Floristic Study and Vegetation Analysis of Shivapuri National Park, Central Nepal	07/12/2014
84.	Gopi Chandra Kaphle	Physics	Study of Electronic Structure of Clusters and Disordered Solids	11/12/2014
85.	Narayan Prasad Ghimire	Botany	Climate Trend and Treeline Dynamics in Nepal Himalaya	15/12/2014
86.	Nilam Shrestha Pradhan	Physics	The Theoretical Study of Multiphoton Ionization of Atom by Multiple Laser Beams	06/03/2015
87.	Sheetal Vaidya Pradhan	Botany	Revision of <i>Anaphalis</i> DC. (Asteraceae: Gnaphalieae) in Nepal Himalaya	15/02/2015
88.	Umesh Koirala	Botany	Ecological study of wetland macrophytes occurring in Morang District of Nepal	19/03/2015
89.	Tirtha Raj Adhikari	Hydrology & Meteorology	Impact of climate change on flow regime in Himalayan Basins Nepal	06/04/2015
90.	Nirmala Joshi (Pradhan)	Botany	Utilization Pattern and conservation status of plant resources of Makawanpur District, Central Nepal	10/04/2015
91.	Jagjit Kour	Chemistry	Functionalization of Biopolymers for the Treatment of Heavy Metals from Aqueous Medium.	09/06/2015
92.	Ram Lal Swagat (Shrestha)	Chemistry	Phytochemical Investigation of corydalis Govaniana Wall. and Corydalis Casimiriensis Duthie & Prain Ex Prain with Special Reference to Bioactive Compounds.	16/07/2015
93.	Ram A. Mandal	Botany	Carbon Sequestration Potential in Community Managed Forests in Mahottari, Tarai District of Central Nepal	04/08/2015
94.	Hari Prasad Aryal	Botany	Termitomyces R.Heim (Tricholomataceae) in Nepal: Diversity, Nutrients and Growth	23/08/2015
95.	Bindra Shrestha (Raghubansi)	Chemistry	Studies on the potential application of Bio-waste for Heavy Metals removal from aqueous solution.	25/08/2015
96.	Pushpa Karna Mallik	Botany	Cytogenetical studies on some members of the family asteraceae of Nepal.	22/09/2015
97.	Govinda Tamang	Statistics	Total quality Management Practice and Organizational Performance in Financial Institutions	09/10/2015
98.	Dil Kumar Hangsurung Limbu	Environmental Science	Carbon Sequestration of High Altitude Himalayan Rangelands in Tinjure Milke Jaljale (TMJ) Area, Eastern Nepal.	10/11/2015
99.	Gauri Shrestha	Statistics	The impact of Socio-economic and Demographic Variables on Maternal Health Behavior: A Statistical Approach.	25/01/2016
100.	Narayan Prasad Koju	Zoology	The Ecology of Pika (Ochotona Species) at Langtang National Park as an Indicator of Climate Change.	28/01/2016
101.	Rajesh Pandit	Chemistry	Templating nanostructures in epoxy resin using styrenic block copolymers.	29/01/2016
102.	Ganesh Raj Pant	Microbiology	Epidemiological study and molecular characterization of Rabies Virus in Nepal.	29/01/2016
103.	Sharmila Pradhan	Chemistry	Correlation between morphology, deformation behavior and filler dimensionality of polyolefin elastomer based nanocomposites	02/02/2016
104.	Sudha Joshi Shrestha	Botany	Taxonomic studies on senecio L.s.l. (Senecioninae: Senecioneae: Asteraceae) of Nepal Himalaya.	24/02/2016
105.	Urmila Pyakurel	Mathematics	Evacuation Planning Problem with Contraflow Approach	04/03/2016
106.	Ranjan Koirala	Biotechnology	Molecular and probiotic characterization of Lactobacillus Spp. Isolated from Traditionally Prepared Curd (Dahi) at Different Geo-Climatic Conditions of Nepal.	10/03/2016

S.N.	Name	Subject	Title	Date of Completion
107.	Deepak Aryal	Hydrology & Meteorology	Pre-Monsoon Thunderstorm: Case Studies of Nepal.	02/05/2016
108.	Arbind Pathak	Chemistry	A Laboratory Scale Synthesis of Geopolymer from Construction Wastes.	09/05/2016
109.	Jyoti Prasad Gajurel	Botany	Effects of Land Use and Climate Change on Gene Flow of <i>Taxus Wallichiana</i> Zucc. (Taxaceae) in Nepal.	10/05/2016
110.	Chuda Prasad Dhakal	Statistics	Optimizing Multiple Regression Model for Rice Production Forecasting in Nepal.	12/05/2016
111.	Tilak Prasad Gautam	Botany	Species Composition, Production and Nutrient Dynamics in Tropical Forest of Sunsari District, Eastern Nepal	29/07/2016
112.	Narayan Prasad Gaire	Environmental Science	Climate Trend and Treeline Dynamics in Nepal Himalaya	29/09/2016
113.	Laxmi Joshi Shrestha	Botany	Role of sacred groves in tree diversity conservation in Kathmandu Valley, Nepal.	08/11/2016
114.	Bhushan Shakya	Chemistry	Synthesis, Characterization and Anticancer Activity of 2-Pyridineformamide Derived Thiosemicarbazones	11/11/2016
115.	Sujit Kumar Sah	Chemistry	Studies on the solution properties of cationic surfactants in alcohol-water mixed solvent media.	21/12/2016
116.	Suman Man Shrestha	Environmental Science	Heavy Metal Contamination in Groundwater Resources of the Kathmandu Valley, Nepal	10/02/2017
117.	Shiv Narayan Yadav	Physics	Spatial Orientation of Angular Momentum of Galaxies in the Clusters and Superclusters	21/04/2017
118.	Manju swari Karmacharya	Chemistry	Physicochemical Characteristics of Activated carbon Obtained from waste Tire and its Alumina Composite.	05/05/2017
119.	Khaga Raj Sharma	Chemistry	Screening of some Selected Medicinal Plants of Nepal for their Antioxidant and Anticancer Activities and Identification of Active Compounds	11/06/2017
120.	Shanta Pokhrel	Chemistry	Chitosan Based Polymer Blends: Preparation, Mechanical Properties And Biodegradability	27/08/2017
121.	Shreeti Pradhan	Botany	Mass Propagation and Ex- Situ Conservation of <i>Cymbidium Aloifolium</i> (L.) Sw., A Threatened Medicinal Orchid of Nepal Through Artificial Seed Technology.	22/08/2017
122.	Birendra Prasad Gupta	Biotechnology	Immuno- Molecular Epidemiology of Emerging Viruses in Nepal.	30/08/2017
123.	Nurapati Pantha	Physics	First-Principles and Classical Atomistic Study of Interactions Between Methane and Other Substances.	10/11/2017
124.	Prem Raj Dhungel	Physics	Effect Of Massive Neutrinos And Other Massive Particles On Structure Formation In The Universe	04/02/2018
125.	Sanat Kumar Sharma	Physics	Effect Of Density Fluctuation On Structure Formation In The Universe	05/02/2018
126.	Krishna Raj Adhikari	Physics	Study on daily total solar radiation at different parts of Nepal to develop models and numerical simulation of thin film perovskite- based solar cells hardbinding check	18/02/2018
127.	Jivandhar Jnawali	Mathematics	Newton Type Iterative Methods for Solving Nonlinear Equations	18/03/2018
128.	Tulasi Prasad Niraula	Chemistry	Studies on the Behaviour of Anionic Surfactant in absence and presence of monovalent salts in Methanol-water mixed solvent media	26/03/2018
129.	Krishna Prasad Bhattarai	Botany	Decomposition, Nutrient Release in Leaf Litter and N-Mineralization in Sal (<i>Shorea Robusta</i> Gaertn.) Forests of Jhapa and Ilam Districts, Eastern Nepal	08/04/2018

Candidates Selected for Mini-Research in 2017 (2074/075)

The Institute of Science and Technology awarded grants of mini research in the year 2017 to the following 14 candidates (teachers) by evaluating the proposals received to the IoST from Central Departments and different constituent campuses of IoST.

Inside Kathmandu Valley

S.N.	Name	Campus/Department	Mini-Research Title
1.	Subodh Kumar Yadav	Patan Campus	Analysis of multi-photon ionization of one electron atomic system.
2.	Dinesh Kumar Chaudhary	Amrit Science Campus	Synthesis and characterization of Fe doped ZnO nano films using a spin coating technique.
3.	Hari Bakta Oli	Amrit Science Campus	Synthesis of CuNPs by using juice of Zingiber officinale and use it to prepare CuNPs-PVA nano composite
4.	Ishor Pathak	Amrit Science Campus	Biological and chemical studies of essential oil from <i>Vitex negundo</i> of Nepalese origin.
5.	Pragati Pradhan	Central Dep. of Biotechnology	Screening and characterization of myxobacteria for production of novel anti-microbial compounds.
6.	Ratna Silwal	Patan Campus	Estimation of above ground carbon stock in the trees of Hasantar community forest, Suychatar, Kathmandu Nepal.
7.	Sarbin Sayami	Central Dep of CSIT	Machine translation of Nepal Bhasa to english using neural network.

Out of Kathmandu Valley

S.N.	Name	Campus/Department	Mini-Research Title
1.	Champak Babu Silwal	Central Campus of Technology, Dharan	Landslide hazard assessment of the Leuti Khola watershed, Dhankuta, Nepal.
2.	Sanju Parajuli	Central Campus of Technology, Dharan	Study of ferns and fern-allies of Dharan, Eastern Nepal.
3.	Karan Singh Mahara	Siddhanath Science Campus, Mahendranagar	Water quality and surrounding biodiversity of Lake in far-Western Nepal: A case study from Bedkot and Mudka lake Kanchanpur, Nepal.
4.	Hom Nath Pathak	Prithivi Narayan Campus, Pokhara	Spatial disributon mapping of invasive alien species form Pokhara Valley, Nepal.
5.	Mahadev Awasthi	Siddhanath Science Campus, Mahendranagar	Study of dust colour temperature and mass profile of a new far infrared nebular structure in infrared astronomical satellite map.
6.	Yadav K.C.	Central Campus of Technology, Dharan	Effect of different processing conditions on oxalate content in Tubers of Taro (<i>Colocasia Esculenta</i>)
7.	Kalyan Rai	Central Campus of Technology, Dharan	Screening of antibiotic producing actinomycetes spp from soil of Charkose Jhadi, Sunsari, Nepal.

Publication of IoST

IoST started to publish Journal of Institute of Science & Technology (JIST) from 1988. Till date it has published 22 issues. From 2017 issue, it is published only in online

form. The current issue Vol 22, No 2 (2018) available in www.nepjol.info/index.php/JIST/issue/view/1399

Recent Activities of Institute of Science & Technology

Training on Academic & Scientific Equipment

Tribhuvan University, IoST had conducted a 3 days (13-16 November 2016) Training Program on handling different educational & scientific equipment. The equipment were received from the University Grants Commission through Higher Education Reform Projects and altogether the equipment were distributed to constituent campuses. 40 teachers from different campuses were participated in this program. The training was concentrated to train the teachers of different campuses.

Workshop on Teaching & Research Methodology

A two days workshop on teaching and research methodology was organized in the joint collaboration of IoST TU, RECAST TU, and Kathamandu Centre for Research and Education (KCRE) – the Chinese Academy of Sciences (CAS). The participants were the newly appointed lecturers in different subjects of Science & Technology under Tribhuvan University, recommended by Tribhuvan University Service Commission (Adv. No. 7/2072-73). The number of participants was 85. The resource persons were Prof. Basu Dev Kafle, Prof. Dr. Binil Aryal, Prof. Dr. Anjana Singh, Dr. Pratima Poudel, Prof. Iyang Linz, Prof. Dr. Narayan Prasad Adhikari, Prof. Dr. Vijaya Panta, Dr. Sabita Shrestha. The newly appointed teachers were facilitated to gain in knowledge about teaching, learning, evaluation and classroom activities in semester as well as yearly system under IoST.

Annual Program 2074 of IoST

30th Annual Celebration of establishment of Institute of Science & Technology was organized in 3rd January 2018. The chief guest of the program was Rector of Tribhuvan University Prof. Dr. Sudha Tripathi and the program was held at T.U. Smritibhawan. In that program Campus Chief of different Campuses, Head of the Central Departments and the staff of the Dean's Office were present. IoST has decided to felicitate former Dean Prof. Chirika Shova Tamrakar and other

official of IoST for their good work of IoST. On the same occasion section officer of Dean's office Mr. Krishna Hari Acharya and office helper Mohan Maharjan were honored with Dosalla & Certificate of long service.

Election of IOST, TU Karmachari Sangh

The election committee was formed as: Election Officer Raju Thapa, & Members Upendra Subedi and Sabina Khadka to conduct the election of the unit of Karmachari Sangh in IoST which was held in 26th July 2017. In the election Mr. Mukunda Prasad Dulal was elected as the chairperson of the unit and other executive member were selected without competition, The other portfolio are as vice chairperson Sangita Shertha, Tresures Anju Dawadi, Secretary - Binod Koirala and members are Ram Prasad Wagle, Indu Maiya Rajopadhyaya, Mina Shrestha, Basu Dev Thapa and Mohan Maharjan.

Ph.D. Program 2074

In the history of Tribhuvan University the Institute of Science and Technology has been first time started the Ph.D. Program with entrance examination and offering course of 18 credits in the first year of enrollment. The eligibility exam was held on 2nd December 2017 and altogether 58 scholars were appeared in the exam through different Central Departments.

The regulation of Ph.D. program of the IoST was revised to meet the basic requirement given in the working procedure for Ph.D. Degree award adopted by UGC Nepal. According to the current regulations, Ph.D. scholar should complete 18 credit courses within first two semesters of the enrolment. These courses were developed by the IoST.

The Orientation Program for the scholar was held in 17th January 2018 in the presence of the Rector Prof. Dr. Shudha Tripathi as a chief guest.

The course of Philosophy of Science was taught by Prof. Dr. Ragnar Fijelland from Norway and the course of Research Methodology was taught by Prof. Dr. Shankar Prasad Khanal, Prof. Dr. Srijan Lal Shrestha and Dr. Chitra Baniya jointly.

Semester Callendar 2017 batch Master Level

ACADEMIC CALENDAR OF M.SC. FOUR SEMESTER	
2075-76 (B.S.)	Activity
1st week, Baisakh	FIRST SEMESTER BEGINS
2nd week, Srawan	Form filling Notice by Dean Office (First Semester
2nd week, Bhadra	Final Exam Routine will be published
3rd week, Bhadra	Final term & Practical Exam should be completed
First Semester Final Exam Preparation Leave (around 10-14 days)	
9 Ashwin, 2075	First Semester Final Examination begins
24 Ashwin - 27 Kartik	Dashain-Tihar-Chatt Holiday (SEMESTER BREAK)
4th week, Kartik	SECOND SEMESTER BEGINS
3rd week, Paush	First semester Result will be published.
1st week, Falgun	Form Filling notice by Dean Office (Second Semester)
1st week, Chaitra	Final Exam Routine will be published
3rd week, Chaitra	Final term exam & Practical exam should be completed.
Second Semester Final Exam Preparation Leave (around 10-14) days	
6 Baisakh, 2076	Second Semester Final Examination begins
SEMESTER BREAK (about a week)	
3rd week, Baisakh (2076)	THIRD SEMESTER BEGINS
4th week, Ashadh	Form Filling notice by Dean Office (Third Semester)
1st week, Srawan	Second semester Result will be published till this date.
2nd week, Bhadra	Final Exam Routine will be published
3rd week, Bhadra	Final term and Practical examination should be completed
Third Semester Final Exam Preparation Leave (around 10-14 days)	
3 Ashoj, 2076	Third Semester Final Examination begins
16 Ashoj - 17 Kartik	Dashain-Tihar-Chhat Holiday (SEMESTER BREAK)
3rd week, Kartik	FOURTH SEMESTER BEGINS
2nd week, Paush	Third Semester Result will be published.
4th week, Magh	Form Filling notice by the Dean Office (Fourth Semester)
1st week, Chaitra	Final Exam Routine will be published
2nd week, chaitra	Final term & Practical Examination should be completed till date
Fourth Semester Final Exam Preparation Leave (around 10-14 days)	
26 Chaitra, 2076	Fourth Semester Final Examination begins
Fourth Semester Result will be published within first week of Ashad 2077	
Duration: 7 Baishkh 2075 to 6 Baisakh 2077: M.Sc. Four Semester Calendar	

Institute of Science & Technology, Tribhuvan University, Kirtipur
29 Chaitra 2074

Introduction & Recent Activities of Central Departments under IoST

Brief Introduction to Central Departments

SN	Central Department of	Location	Phone	Academic Program	Name of HOD	email of HOD
1	Biotechnology	Kirtipur	4336221	M. Sc., Ph. D.	Prof. Dr. Krishna Das Manandhar	manandhar@gmail.com
2	Botany	Kirtipur	4331322 4333515	M. Sc. Botany M. Sc. BEM Ph. D.	Prof. Dr. Mohan Siwakoti	mohansiwakoti@live.com
3	Chemistry	Kirtipur	4332034 4330537	M. Sc., Ph. D.	Prof. Dr. Ram Chandra Basnyat	basnyatram@gmail.com
4	Computer Science & IT	Kirtipur	4333010 4332619	M. Sc. CSIT, Ph. D.	Mr. Nawaraj Paudel	nawarajpaudel@yahoo.com
5	Environmental Science	Kirtipur	4332147 4332711	M. Sc., Ph. D.	Prof. Dr. Rejina Maskey	rmaskey@cdes.edu.np
6	Food Technology	Dharan	0 2 5 - 526726	M. Tech. (Food) Ph. D.	Mrs. Geeta Bhattarai	geetabhattacharai4@gmail.com
7	Geology	Kirtipur	4332449	M. Sc. (Geology) M.Sc. (Eng. Geo) Ph. D.	Prof. Dr. Lalu Prasad Paudel	lalupaudel67@yahoo.com
8	Hydrology & Meteorology	Kirtipur	4333887	M. Sc., Ph. D.	Dr. Deepak Aryal	deepak@cdhmtu.edu.np
9	Mathematics	Kirtipur	4331977	M. Sc. M Phil, Ph. D.	Prof. Dr. Kedar Upreti	uprety_kn@cdmaththu.edu.np
10	Microbiology	Kirtipur	4331869	M. Sc., Ph. D.	Dr. Megharaj Banjara	banjaramr@gmail.com
11	Physics	Kirtipur	4331054	M. Sc., Ph. D.	Prof. Dr. Binil Aryal	aryalbinil@gmail.com
12	Statistics	Kirtipur	4331710	M. Sc., Ph. D.	Prof. Dr. Shankar Prasad Khanal	drshankarcds@gmail.com
13	Zoology	Kirtipur	4331896	M. Sc., Ph. D.	Prof. Dr. Ranjana Gupta	dr Gupta.ohm@gmail.com
14	School of Math Sc	Balkhu		B. Math. Sc.	Prof. Dr. P. M. Bajracharya	pmbajracharya13@gmail.com

Number of Ph.D. Scholars Enrolled in Different Subjects in the year 2017 (2074/075)

Subject	No. of Scholars	Subject	No. of Scholars
Biotechnology	2	Hydrology & Meteorology	1
Botany	4	Mathematics	5
Chemistry	11	Microbiology	4
CSIT	2	Physics	15
Environmental Science	2	Zoology	6
Geology	1	Total	53

Recent Activities of Central Department of Biotechnology

- Half day seminar on "*Flow cytometry and acute leukemia*" (Presenters: Prof. Dr. Paul K Wallace and Dr. Bishes Poudel), April 2, 2018.
- CDBT-TU Winter School-2018 on *Applied Molecular Biology* (Hands on training), January 7-10, 2018.
- QAA PRT visit: Presentation of Department prosperity and progress, 2009-2017: SSR report Jan 4-5, 2018.
- 4th NIH ICIDR (international collaboration in infectious diseases research) meeting on "*Dengue virus infection in India*" New Delhi India, Nov 13, 2017.
- 5th international conference "*Science and Scientist 2017*" on August 18- 19, 2017.
- HUC-ICIMOD meeting for proposal development on *water quality in mountain region and it's health impact* - September 18-19, 2017.

- Hands on training on *screening of natural products (Microbes and Plants) and their anti-infective activities*, April 9-11, 2017.
- First Biotech - TU Summer School - 2017 on *Applied Molecular Biology*, on April 06-09, 2017.
- International Workshop on *Application of Flow Cytometry in Biotechnology- 2017*, September 14-17, 2017.
- Metabolic Modeling and Its Applications*, 30 June 2016.
- One Day Seminar on Viral Disease “*Dengue & Zika Pathogenicity and Immunology- 2016*”, 24 Nov 2016.
- Use Of Collection Data For *Measuring Climatic Impact On Intraspecific Variation; Identification Using DNA Barcoding And Various Methods*, 25 July, 2016 (Speakers: Prof. Dr. Annemarie Ohler, Pauline Van Leeuwen).
- 3rd International Conference “*South Asian Biotechnology Conference -2017*”-March 16-18, 2017).
- Press Conference on *Departmental Research Activities*, 31st July 2017.

Recent Activities of Central Department of Botany

- Field training program in Annapurna Conservation Area, April 17-30, 2016.
- Inception Workshop on a USAID funded project, January 29, 2016.
- International Conference on *Biodiversity Climate Change Assessment and Impacts On Livelihood*, 10-17 Jan 2017.
- Training Workshop for the *Identification of Grasses*, Nov 27- Dec 2, 2016.
- Training Workshop on *Pen and Ink for Taxonomists*, 13 April, 2017.
- Training Workshop on Research Methodology (June 20-26, 2017).

Recent Activities of Central Department of Chemistry

- Chemistry Symposium* along with academician from Pusan National University (venue/year: CDC TU/2016). Memorandum of Understanding (MoU) was signed between two institutions to foster collaboration in different areas.
- Symposium* along with academician from North Western University, China (venue/year: CDC TU/2017). Discussion on possibilities of research collaboration and student exchange between two institutions was made. The symposium was concluded with agreement of signing a MoU in near future.

Recent Activities of Central Department of CSIT

- Two days *teachers' orientation program* to develop micro-syllabus, lab detail, and model question for B.Sc. CSIT first and second semester courses, 29-30 Dec, 2017.
- The department has established its own research management cell in the department.

Recent Activities of Central Department of Environmental Science

- Graduate conference on Environment and Sustainable development (SGCESD-2016), 4-5 April, 2016, Hotel Himalaya, Kupondol, Kathmandu, Nepal.
- International conference on Mountains in the Changing World (MOCHWO 2016), 1-2 October, 2016 in Kathmandu Nepal.
- Symposium on Himalayan tree-line, 4 March, 2017 at Resources Himalaya Foundation Kathmandu.
- 2nd National River Summit' 16-19 March 2017 in Trisuli River bank, Thewatar, Gorkha.
- Graduate conference on Environment and Sustainable development (TGCESD-2017), 3-4 April, 2017, Trade Tower, Thapathali, Kathmandu, Nepal.
- International Conference on Mountains in the Changing World, 27-28 October, 2017 in Kathmandu, Nepal.

Recent Activities of Central Department of Geology

- Joint Workshop (16 June 2016): Joint workshop entitled “*The human resource requirement of DMG and the syllabus of Tribhuvan University*” was organized jointly by CDG and Department of Mines and geology (DMG).
- CDG visit by Minister: Former Minister of Industry Mr. Som Prasad Pandey visited the CDG and discussed on various possibilities to have collaborative works between the Government of Nepal and CDG. The importance of geology in nation building process was reiterated by the minister during the meeting.
- Geological Exhibition (December 14-16, 2016): Geological Exhibition with the support of Nepal Geological Students' Society attended by around 5000 high school students, science teachers and general public and learned various geological processes including mountain building, observed rocks and minerals and got knowledge on geological hazards and disasters.

Recent Activities of Central Department of Hydrology and Meteorology

1. GEWEX Hydrological panel (GHP) meeting, Kathmandu, 17-19, October 2018.
2. HIMALICE symposium on Himalayan Cryosphere: *Understanding of water resources and glacier hazards*, Kathmandu, Nepal, 27-28 October 2017.
3. University of Rhode Island, USA – *Nepal Global partnership*, 25 October, 2017.
4. Monitoring Climate and Environmental Changes in Cold and Mountainous Region, 16 October 2017.
5. HIMALICE Symposium on *Himalayan cryosphere: Understanding of water resources and glacier hazards*, Kathmandu, Nepal, 24-25 October 2017.

Recent Activities of Central Department of Mathematics

1. *Second International Workshop and Conference on Commutative Algebra*, 18 Mar 2017.
2. Preparation Workshop for UK-Nepal Cooperation in Emergency Management Research, 28 Aug 2017.
3. Workshop on Graph Theory and Optimization with Applications in Industry and Society, Mar 26 – Apr 6, 2017.
4. Preparation Workshop for UK-Nepal Cooperation in Emergency Management Research, 28 Aug 2017.

Recent Activities of Central Department of Microbiology

1. Training Program (June 12-16, 2017): “Malaria Laboratory Diagnosis Capacity Strengthening Training”.
2. Training Program (June 19-21, 2017): “Training in Reference Writing in Research”.
3. Malaria Research Training Course, Nha Trang University, Vietnam (26 February - 2 March, 2018)

Recent Activities of Central Department of Physics

1. Prof. Dr. Dan Shechtman, 2011 Nobel laureate visited our department, hold discussion with faculties and delivered a seminar entitled '*Technological Entrepreneurship: Key to World Peace & Prosperity*' on 21 September 2016. The Vice Chancellor of TU Prof. Tirtha Raj Khaniya graced the talk program.
2. One day Seminar on '*Stephen Hawking's Contribution*', 5 April 2018, Central Department of Physics, Kathmandu, Nepal. There were 4 talks in the program.
3. International Conference on *Nano-Materials and Computational Physics* (ICNMCP-2017), 27-28 December, 2017, Central Department of Physics, Kirtipur, Kathmandu, Nepal.
4. International Conference on *Shining from the heart of darkness: black hole accretion and jets*, 16-21 October, 2016, Radisson Hotel, Lajimpat, Kathmandu, Nepal.
5. Kathmandu Astrophysical Winter School on '*Astrophysical Data Reduction*', 24-28 October 2016, Central Department of Physics, Kathmandu, Nepal.
6. Dr. M. K. Radhakrishnan, Vice-President, IEEE Electron Device Society, Founder Director, NanoRel, Bagalore, India delivered a seminar entitled '*Semiconductor Technology Progression and 50 years of Moore*' on 15 September, 2017.
7. Dr. Biplab Sanyal, Docent, Associate Professor (Universitetslektor), Division of Materials Theory, Department of Physics and Astronomy, Uppsala University hold a collaborative discussion with faculties and delivered a seminar on '*Molecular magnetism – a theoretical perspective*', 31 Jan 2017.
8. Dr. Elisa Fratini, post doctorate fellow, ICTP, Trieste, Italy delivered a seminar on '*Anderson localization and ultra-cold gases*', 7 January 2017.
9. Dr. Keith Groves, Senior Scientist, Institute for Scientific Research, Boston College, Boston, USA hold a collaborative discussion with faculties and delivered a talk entitled '*Space Weather Impact on GNSS*', 15 December 2016.
10. Dr. Patricia H Doherty, Senior Scientist, Institute for Scientific Research, Boston College, Boston, USA hold collaborative discussion with faculties for the future works and delivered a seminar on '*Space Weather Effects GNSS Application*' on 15 December 2016.
11. Dr. Andrzej Zdziarski, Nicolaus Copernicus Research Centre, Poland hold a talk with Astro faculties and students for possible future collaborations and delivered a seminar on '*Black holes and accretion*' on the occasion of First Kathmandu Astrophysical School at 25 October 2016.
12. Prof. Dr. Huanyang Chen, College of Physics (Optoelectronics and Energy & Collaborative Innovation Center of Suzhou Nano Science and Technology), Soochow University, Suzhou, China hold collaborative meeting with faculties and delivered a seminar on '*Introduction to Metamaterial and Transformation Optics*' on 21 August 2016.

Recent Activities of Central Department of Statistics

1. Second National Conference on Statistics and its Applications organized by Central Department of Statistics, Tribhuvan University, Kirtipur, Chief Guest: VC of TU, Prof Dr.Tirtha Raj Khaniya, Dignitaries: Dean Pro. Dr. Ram Prasad Khatiwada, Assistant Dean Prof. Dr. Shambhu Prasad Patel, Prof .Dr. Sreenivas (AIIMS, New Delhi), Prof. Dr. Mrigendra Lal Singh, Mr. Suman Raj Aryal (General Director of CBS) as well as 93 Participants. 3-4 September 2017.
2. Curriculum based Teachers' Training Workshop on *Spatial Science, Survey Technology and GIS*, 12th-17th January 2017.
3. Talk and Discussing on Questionnaire and content finalization for Economic Census 2018 jointly organized by National planning Commission Centre Bureau of Statistics, Government of Nepal and Central Department of Statistics, TU at Kirtiour, Nov.30, 2017.
4. Training on STATA and SPSS for Data Analysis a Non-Credit Course for M.Sc. Statistics students, Central Department of Statistics, Tribhuvan University, 2017.

Recent Activities of Central Department of Zoology

1. Basic R-Training, Central Department of Zoology conducted Basic R-Training from August 6 to 13 for its students at the department. The training was attended by 16 students of CDZ, Aug 13, 2017.
2. R Mohammed saleem, President, Environment Conservation Group, Coimbatore, India delivered a seminar on wildlife conservation in a program organized at Central Department of Zoology on 6 August 2017.
3. Central Department of Zoology conducted a Training Workshop on GIS (Geographic Information System) from 3 to 10 July 2017 which was attended by 25 faculties of Central and other campuses.
4. Naresh Kushi, researcher from Friends of Nature (FON) Nepal delivered a talk on "Present status of wild Yak (*Bos mutus*) in Nepalese Himalaya", Dec 15, 2016.
5. Prem Bahadur Budha, Lecturer, Central Department of Zoology delivered a talk on "*Habitat loss of freshwater molluscs and their consumption trends among Tharu people in Kailali district*", Dec 11, 2016
6. Gabor Csorba PhD, Deputy General Director, Hungarian Natural History Museum delivered a talk on "Animal Collecting and Animal Collections" at Central Department of Zoology, Kirtipur, Sep 2, 2016
7. MSc Teachers' orientation program has been started today at CDZ. This program will continue for four days upto 31 Baishakh 2073. The program is being participated by the faculty members of CDZ, Kirtipur & Post-graduate Campus, Biratnagar, May 10, 2016.
8. Dr J D Jawalikar, Head, Department of Zoology, Venkatesh Mahajan Senior College, Osmanabad delivered a guest lecture on "Telomere, Telomerase and Nobel Prize Winning Research" at Central Department of Zoology, Kirtipur, Apr 18, 2016.

Recent Activities of School of Mathematical Sciences

School of Mathematical Science under IoST, TU has been established in 2016 according to the school management rules and regulations. Initially the school organized a one day seminar on "Importance of Actuarial Education in Nepal" to promote actuarial education in Nepal (2073/4/23). The School of mathematical science aims at:

- a) Institutionalising the school as an autonomus school and developing it to a nationally and internationally renowned institution.
- b) Making collaborations with different international universities.
- c) Running the classes of Bachelor and Master degree programs in relevant subjects.

Recent Activities of Natural History Museum

1. 9-13 April 2018. "Training for Trainers on Strengthening Armed Police Force Nepal in Biodiversity Conservation and Wildlife Crime Control" at APF Headquarter, Swayambhu, Halchowk jointly organized by Nepal Armed Police Force, DNPWC, Natural History Museum and Wildlife Conservation Nepal.
2. 2 Feb 2018. Insect biodiversity and Community Structure-in the Family Level on by organized by Natural History Museum, NCHU, NPUST at Natural History Museum, Swayambhu, Kathmandu, Nepal. Resource persons: Prof. JT Yang, NCHU, Taiwan and Dr. [Lekhnath Kafle](#), NPUST, Taiwan.
3. 16-17 Jan 2018. Strengthening Nepal Armed Police in Combating Wildlife Crime Protection and Conservation 2-3 Magh 2074 at at Nepal Armed Police Force, Halchowk, Kathmandu jointly organized by NAPF, DNPWC, NHM, RNP, and WCN.
4. 8 November 2017. "Training on Proposal Writing" by Mr Prasanna Yonzon to the staff of NHM, CENEED, school teachers at Natural History Museum, Swayambhu, Kathmandu.
5. 8 September 2017. "Training on Invasive Plant Species" by Anil Shrestha, Dharma Dangol, Srijana Joshi & Neha Bisht at Natural History Museum, Kathmandu.
6. 20-25 March 2017. "Training Workshop on Strengthening the Capacity of Scientists to Engage in Local Innovation Based Research and Education in Agricultural Science

- and Technology" at Nagarkot, Nepal organized by IOST and KIT.
7. 9 January 2017. "Training on Plant Collection, Identification and Herbarium Management" on organized by NHM, Swayambhu, Kathmandu to the undergraduate students of Botany of Trichandra Multiple Campus at the seminar hall of Natural History Museum, Swayambhu, Kathmandu.
 8. Role of Natural History Museum in quality science education in schools jointly organized by NHM and CENEED on 16 March 2018 at Natural History Museum, Swayambhu, Kathmandu, Nepal.
 9. Development of food marketing system in Indian subcontinent and its possibilities of trade links with Japan jointly organized by The Open University of Japan, Hiroshima University, NDRI and Natural History Museum from 27-28 December 2017 at the Kirtipur Hillside Hotel, Kirtipur.
 10. Organic agriculture in Austria on 16 Oct 2017 at Natural History Museum, Kathmandu (Speaker: Dr Manfred Sager).
 11. Class on Taxonomy of Weeds and Invasive Plant Species on 18 September 2017 at Natural History Museum, Kathmandu.
 12. "National Invasive Plant Species Awareness Day" jointly organized by NHM and ICIMOD on 17 September 2017 at Natural History Museum, Kathmandu.
 13. "2nd Plantation Day" organized by Inner Wheel Club of Balaju and Rotary Club of Balaju on 29 Bhadra 2074 at Natural History Museum, Kathmandu.
 14. "Workshop on Appreciative Visioning and Planning of Natural History Museum" on 9 Bhadra 2074 (25 August 2017) at Natural History Museum, Kathmandu.
 15. "Prolinnova Sharing Meeting" on 26 March 2017 organized by IOST and KIT at the Kirtipur Hillside Hotel, Kirtipur, Kathmandu.
 16. "Preparation of Manuscripts for International Journals" by Dr. Sailesh Ranjitkar Head of Tree Diversity and Distribution Unit, World Agroforestry Centre East and Central Asia, China on 26 January 2017 at the Natural History Museum, Swayambhu, Kathmandu.
 17. "Grant Writing Development for Youth" from 3-4 August 2016 by PROLINNOVA Nepal in support with Winrock International at the Natural History Museum, Tribhuvan University, Swayambhu, Kathmandu.
 18. "Plant Collection, Identification and Herbarium Preparation" on 16 Ashadh 2073 for the Bachelor students of Patan Multiple Campus and Khwopa College jointly organized by Institute for Social and Environmental Research-Nepal, Fulbari, Chitwan and Natural History Museum, Tribhuvan University, Swayambhu.
 19. "Writing and Publishing Scientific Manuscripts" on 15 Ashadh 2073 for the Master students of Khwopa College, researchers of DPR, Staff of NHM, college teachers of IOST organized jointly by Institute for Social and Environmental Research-Nepal, Fulbari, Chitwan and Natural History Museum, Tribhuvan University, Swayambhu.
 20. "Seminar on Writing and Publishing Scientific Manuscripts" on February 12, 2016 at the Natural History Museum (Speakers: Dr Lekhnath Kaphle and Prof YT Yang).

Academic Programmes on Constituent Campuses of IoST, TU.

S.N	Name of the Campuses	Address	Telephone	B.Sc.	M.Sc.
1	Mechi Multiple Campus	Bhadrapur, Jhapa	23520044	General (including Env. Sc, Tea Science)	
2	Dhankuta Multiple Campus,	Dhankuta	26520297	General (including Env. Sc.)	
3	Central Campus of Technology	Dharan	25520228	General (including Microbiology, Nutrition & Dietetics, Geology) B. Tech. (Food)	Microbiology M. Tech. (Food)
4	Mahendra Morang Adarsha Multiple Campus	Biratnagar	21526791	General (including Microbiology)	Physics, Chemistry
5	Post Graduate Campus	Biratnagar	21526327		Botany, Zoology, Math
6	Mahendra Bindeshwori Multiple Campus	Rajbiraj	31520092	General (including Microbiology)	
7	Surya Narayan Satya Na. Mo. Yadav Campus	Siraha	33520387	General (including Env. Sc)	
8	Ramsorup Ramsagar Multiple Campus	Janakpur	41520174	General (including Microbiology, Env. Sc., CSIT)	Math
9	Thakur Ram Multiple Campus	Birgunj	51522187	General	

S.N	Name of the Campuses	Address	Telephone	B.Sc.	M.Sc.
10	Birendra Multiple Campus	Bharatpur	56520253	General (including Microbiology, Geology, CSIT)	Physics, Chemistry
11	Prithivi Narayan Multiple Campus	Pokhara	61526837	General (including Microbiology, Geology), CSIT	Physics, Math
12	Sidha Nath Science Campus	Mahendranagar	99521220	General (including Env. Sc, Microbiology. CSIT)	Physics, Math
13	Mahendra Multiple Campus	Nepalgunj	81520278	General, CSIT	
14	Butwal Multiple Campus	Butwal	71542834	General, CSIT	
15	Tribhuvan Multiple Campus	Palpa	75520090	General	
16	Tri- Chandra Multiple Campus	Ghantaghar	4244047	General (all Subjects)	Chemistry, Microbiology, Eng. Geology.
17	Amrit Science Campus	Lainchour	4411637	General (including Env. Sc, Microbiology, CSIT)	Physics, Math, Botany, Chemistry
18	Patan Multiple Campus	Patan	5547710	General (including Env. Sc, CSIT)	Physics
19	Bhaktapur Multiple Campus	Bhaktapur	6610200	General, CSIT	
20	Padma Kanya Multiple Campus	Bagbazar	4224149	General (including Env. Sc., Micro biology)	
21	Mahendra Multiple Campus	Dang	082-560035, 560458	General	
22	Dhaulagari Campus	Baglung		General	
23	Gorkha Campus	Gorkha		General	
24	Bhairawaha Multiple Campus	Bhairawa		General	

General B.Sc. includes: Chemistry, Botany, Zoology, Statistics, Physics, Mathematics

Publications of Teachers of IoST in the Year 2016-2017

Biotechnology

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- Pant, Deepak Raj, Sila Mahatara, Usha Adhikari, Smita Shrestha. Evaluation of Flavonoid Content, Antibacterial, Antioxidant and Anticancerous Properties of Six Medicinal Plants of Nepal. *Journal of academic research*, 2017.
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- Moonens, K.; Gideonsson, P.; Subedi, S.; Bugaytsova, J.; Romao, E.; Mendez, M.; Norden, J.; Fallah, M.; Rakhimova, O.; Shevtsova, A.; Lahman, M.; Castaldo, G.; Brannstrom, K.; Coppens, F.; Lo, A. W.; Ny, T.; Solnick, J.; Vandebussche, G.; Oscarson, S.; Hammarstrom, L.; Arnqvist, A.; Berg, D. E.; Muyldermans, S.; Boren, T.; Remaut, H. (2016). Structural Insight in Adaptive and Redox-sensitive ABO Glycan Binding by *Helicobacter pylori*. Cell Host & Microbe 2016 January 13; 19(1): 55-66.
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Chemistry

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List of Affiliated Campuses of IoST, Tribhuvan University
(Science Prorams launched)

S.N.	Name of Campus	Location	Bachelor Program	Master program
1.	St. Xaviers College	Maitighar	B.Sc. CSIT, Microbiology	M.Sc.Physics, Microbiology
2.	Sainik Awashiya Mahavidalaya	Bhaktapur	B.Sc. general	
3.	Mt. Annapurna Campus	Pokhara	B.Sc. CSIT, MB	
4.	Khwopa College	Bhaktapur	General B.Sc. (Inc. Env.Sc),	M.Sc. Env.Sc.
5.	National Multiple College	Bakhundole	General B.Sc.	
6.	Damak Multiple Campus	Jhapa	B.Sc. Env.Sc., Physics	
7.	Hari Khetan Multiple Campus	Birgunj	B.Sc. MB, Env.Sc.	
8.	Makwanpur Multiple Campus	Hetauda	General B.Sc.	
9.	National College (NIST)	Lainchour	B.Sc. MB	M.Sc. MB , Biotechnology
10.	Kathmandu College of Science & Technology	Kalimati	B.Sc. MB	M.Sc. MB
11.	College of Applied Sciences	Anamnagar	B.Sc. Env. Sc.	M.Sc. Env.Sc.
12.	Lalitpur Valley College	Jawalakhel	B.Sc. MB, B.Tech (Food)	
13.	Bharawi Science College	Itahari	B.Sc. General	
14.	Model Multiple College	Janakpur	B.Sc General (inc MB)	
15.	Kantipur College of Medical Sciences	Sitapaila	B.Sc. MB	M.Sc. MB
16.	Aishwarya multiple campus	Dhangadhi	B.Sc. General	
17.	Janpriya Multiple College	Pokhara	B.Sc. MB, Env.Sc.	
18.	Golden Gate International College	Purano Baneshwor	B.Sc. MB, Physics, B.Tech (Food).	M.Sc. Physics, MB, Env.Sc
19.	Birendra Memorial College	Dharan	B.Sc. MB, CSIT	
20.	Balkumari College	Narayngadh	B.Sc. MB, Env.Sc.	
21.	National College of Food Technology	Lainchour	B.Tech. (Food)	
22.	New Summit College	Purano Baneshwor	B.Sc. CSIT	
23.	Kathford International College	Lalitpur	B.Sc. CSIT	
24.	Padmashree International College	Tinkune	B.Tech. (Food)	
25.	Xavier International College	Kalopul	B.Sc. MB, Env.Sc.	
26.	Sunsari Technical College	Dharan	B.Sc. MB, B.Tech. (Food)	M.Sc. MB, Biotech.
27.	Prime College	Nayabazar	B.Sc. CSIT	
28.	Kamala Science Campus	Sindhuli	B.Sc. General	
29.	Jahari Campus	Rukum	B.Sc. General	
30.	National College of Computer Studies	Kantipath	B.Sc. CSIT	
31.	Nagarjun College of IT	Pulchowk	B.Sc. CSIT	
32.	Shegun International College	Maharajgunj	B.Sc. MB	M.Sc. MB
33.	St. Lawrence College	Chabhil	B.Sc. CSIT	
34.	Sapta Gandki Multiple Campus	Bharatpur	B.Sc. Env.Sc.	
35.	Shreeyantra College	Damak, Jhapa	B.Sc. CSIT	
36.	Orchid International College	Sinamangal	B.Sc. CSIT	
37.	Henryford International College	Kalanki	B.Sc. CSIT	
38.	Rajarshijanank Campus	Janakpur	B.Sc. General (inc. MB)	
39.	Madan Bhandari Memorial College	Anamnagar	B.Sc. CSIT	
40.	Aberdin Eng. College	Jawalakhal	B.Sc. CSIT	
41.	Kathmandu Bernhardt College	Bafal	B.Sc. CSIT	
42.	Academia Int. College	Gwarko	B.Sc. CSIT	
43.	Asain School of Management & Technology	Samakhushi	B.Sc. CSIT	
44.	Himalaya College Of Eng.	Shankhamul	B.Sc. CSIT	
45.	Sagarmatha College Of Science & Technology	Sanepa	B.Sc. CSIT	

S.N.	Name of Campus	Location	Bachelor Program	Master program
46.	College Of Applied Business	Gangahity, Chabahil	B.Sc.CSIT	
47.	Ambition College	Baneshwor	B.Sc.CSIT	
48.	Texas International College	Chabahil	B.Sc.CSIT	
49.	Deerwalk Ins. Of Technology	Sifal	B.Sc.CSIT	
50.	Sukuna Multiple Campus	Morang	B.Sc.General	
51.	Kailali Multiple Campus	Dhangadi	B.Sc. General	
52.	New Horaizan Campus	Butawal	B.Sc. General.	
53.	Pokhara College Of Science & Technology	Pokhara	General B.Sc. (inc MB) B. Tec. Food,	M.Sc. Microbiology
45.	Dharan Multiple Campus	Dharan	B.Tec. (Food)	
55.	Softech College	Lahan	B.Sc. General inc (MB)	
56.	J.S. Murarka Campus	Lahan	B.Sc.General	
57.	Gokuleswor Multiple Campus	Darchula	B.Sc.General	
58.	Manilek Campus	Baitadi	B.Sc General.	
59.	Chautara Multiple Campus	Chautara	B.Sc.General	
60.	NIST College	Banepa	B.Sc.General, CSIT	
61.	National Infotec College	Birgung	B.Sc.CSIT	
62.	Niharika College	Biratnagar	B.Sc.CSIT	
63.	Birat Kchitize College	Biratnagar	B.Sc.CSIT	
64.	Birat Multiple College	Biratnagar	B.Sc. (MB), CSIT, B.Tech. (Food)	
65.	AIMS College	Biratnagar	B.Sc. CSIT	
66.	Nilgiri College	Itahari	B.Tec. (Food)	
67.	Godawari College	Itahari	B.Sc.CSIT	
68.	Hetauda City College	Hetauda, Makawanpur	B.Sc.CSIT	
69.	Indreni College	Bharatpur	B.Sc.CSIT	
70.	Soch College Of I.T.	Pokhara	B.Sc.CSIT	
71.	Lumbini ICT College	Gaidakot, Nawalparasi	B.Sc.CSIT	
72.	Nagarik College	Gaidakot, Nawalparasi	B.Tech (Food)	
73.	Tinau Prabidhik College	Butawal	B.Sc.CSIT	
74.	Padmodaya Campus	Ghorahi, Dang	B.Sc.General	
75.	Gayndeep College	Tulsipur, Dang	B.Sc.General	
76.	Canvas International College	Basundhara, kathmandu	B.Sc.General	
77.	Trinity International College	Dillibazar, Kathmandu	B.Sc.CSIT	
78.	Samajik College	Lokanthali, Bhaktapur	B.Sc.CSIT	
79.	Swostik College	Thimi, Bhaktapur	B.Sc.CSIT	
80.	Samridhi College	Lokanthali, Bhaktapur	B.Sc.CSIT	
81.	Nepalgung Campus	Nepalgung	B.Sc.CSIT	
82.	Karnali Prabidhi Campus	Kalikot, Sipkhana, Karnali	B.Sc.General	
83.	Nepathya College	Butawal	B.Sc.CSIT	
84.	Ambikeshowri Information & Technical Campus	Ghorai, Dang	B.Sc.CSIT	
85.	D.A.V. College Of Management	Jawlakhel, Lalitpur	B.Sc.General (inc. MB)	
86.	Bake Bageshori College	Nepalgung	B.Sc.CSIT	
87.	Asian College Of Higher Studies	Kamaladi	B.Sc.CSIT	
88.	Himalaya Darahan Collgege	Biratnagar	B.Sc.CSIT	
89.	Sahid Smirti Multiple College,	Chitawn	B.Sc.General	



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Institute of Science & Technology,

Dean's Office, Tribhuvan University, Kirtipur, Kathmandu, Nepal

Tel: 977-1-4330844, 4332738, 4330120 (Exam)

Fax: 977-1-4331755, Email: deaniost7@gmail.com, Website: www.tuiost.edu.np