



OXFORD

(AFFILIATED TO POKHARA UNIVERSITY)

COLLEGE OF ENGINEERING & MANAGEMENT

BCA, BBA, BE (Civil), BE (Ele & Elx)



An ISO 9001:2015 Certified College



Gaindakot-2, Nawalparasi

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* Proposed

Voice of the Principal

Dear Parents and Students

Education is the prime pillar of human civilization. It invents and creates the lifeline for the survival with the principle of humanity. Generally, there are two types of education- formal and informal education. The process of education starts from the birth when we begin to acquire knowledge of so many things related to our society and culture. The knowledge thus acquired from the family, friends' circle, society and even from the whole world is informal education. The education we are gaining from educational institutions, comprising day to day classes, trainings, experiments, observations etc. is formal education.

Most commonly, many people have a perception about quality education is that to secure the highest mark or GPA in the examination is the quality education but it is in fact far from the reality. Students should have an adequate exposure to real-life problems, consequently, they can create own path in their life. This type of education system not only generates the innovative or productive ideas which raise the quality of life of individuals but also brings about a change in national economic growth.

My teaching learning experiences over the last 30 years say that our education system produces the skill-less manpower which is really the wastage of time and money of the country. Therefore, the whole education system should be changed drastically. Education system and curriculum development should be based on the national and international market requirements. On the one hand our society, culture, attitude, geography, political scenario, nationality etc. are there and on the other hand the whole global market requirements both of which should be equally considered. The present world has been globalized and has become a small society due to the rapid development in ICT.

In our country, many traditional teaching learning methodologies which have been outdated in the developed world are still prevalent. Now as per the learners' capacity, ability, habit, nature and interest, new and modern teaching methodology has to be adopted which is extremely necessary. Very few, actually in countable figures, academic organizations are only there which have adopted such a philosophy.

Finally, all the parents, students, educationalists and responsible personalities are requested to identify such an organization for school level and higher education.

This educational philosophy is really adopted by Oxford Secondary School and Oxford College of Engineering and Management which can be your final destination.

Er. Hari Bhandari





Introduction

In the year 2000 AD a new vision has introduced by a group of academic intellectuals and IT experts to address the real needs and demands of the society as well as of the nation, which materialized in the establishment of a pioneer academic institution by the name of Oxford College of Engineering and Management (OCEM) and Oxford Higher Secondary School (OHSS) at Gaindakot, nearby Narayangarh city in the central part of Nepal.

OCEM

Oxford College of Engineering and Management (OCEM), affiliated to the Pokhara University has been running bachelor level programs since its establishment. The programs are BBA, BCA, BE (Civil), BE (Electrical & Electronics) and BE (Computer) – proposed.

OHSS

Oxford Higher Secondary School (OHSS) affiliated to the Higher Secondary Education Board of Nepal has been offering +2 programs in Biology Science, Computer Science, Management with Computer Science and Hotel Management with Computer Science since its inception.

Vision:

"Our vision is to serve your mission"

The vision of the college is to be the foremost among business, management, science engineering & technical colleges in the competitive world.

Mission:

The college is committed to:

- Provide a world-class education for our students.
- Provide real-life environment during the pursuit of the course.
- Encourage lifelong learning through extension education.
- Award scholarships on various counts that address social issues.
- Produce nationally committed, internationally capable, professionally effective, efficient and morally sound technical Manpower.



Objectives

The College is committed to achieve the following objectives in a time & budget bounded frame:

- To provide opportunities for higher education to the national & international people.
- To implement modern mean of tools & technique in teaching & learning environment.
- To increase social awareness program each year by providing need-based education.
- To conduct at least two-research programs each year by R&D section in the field of management, information technology, engineering, socio-economic, Science and education sector by involving the concerned departments and faculties.
- To provide multinational standard laboratory.
- To Provide morally approved, socially progressive, economically viable and culturally broad-based educational skills.



Dear parents & prospective students,

It's my pleasure to say Oxford College of Engineering and Management has been the best choice of the students and guardians for world class quality education. The Academic Management team of the OCEM consists of competent academicians, IT experts, researchers and renowned

Intellectuals of the nation and the world as well. It has flourished the technical, professional as well as theoretical education to the students to fulfill the demand of the society & nation being pioneer of this territory. I appreciate to your great choice and express pleasure to be in OCEM as part and parcel of its popular programs. We are always running in the light of vision, mission and goals of the college by applying the most current innovative practices of the modern science and technologies as a result our products have not only been the top of the nation but they have also been recorded throughout the world.

I humbly welcome to all the guardians, experts, intellectuals, students and inquisitive scholars to visit OCEM and blossom your flower of choice.

Tilak Ram Panthi
Co-ordinator

Our Programs

Bachelor of Computer Application (BCA)

BCA is a four year bachelor level program of the Pokhara University. This program is the blending knowledge of computer (ICT) and modern management. The main aim of this program is to produce professionally sound human resource in the field of ICT management. The BCA graduates will possess the skills/knowledge of organizational Management, System Development, System Analysis, Software Development, Network Administration, System Administration etc. Our alumni have been involved not only in developing software; working as IT officers, studying abroad, teaching in various institutions, schools and colleges, but also in incorporating and managing their own entrepreneurship related to their course of study. They are eligible to pursue master's degree programs in management and IT like MCA, MIT, MCIS, MBA, MHM, MTech, MBS, MTM, MIM etc.

Prerequisites:

The candidates should have a higher secondary or equivalent qualification in any discipline from a recognized board or university with computer science or Mathematics at least 100 full marks & securing at least second division from the board or university recognized by Pokhara University.



Nearing completion of 15 years of incessant dedication in the modeling of BCA students of oxford striving a head bringing the history of excellence in result in all semesters has created fair academic environment for the sake of career opportunities. Plans are underway to prepare

our students to face international competitions in IT fields. Oxford has established a national record bagging the gold medal is indeed a matter of great pride for us. The objective of our college is to enhance multidimensional and multifarious aspects of the personalities of the students. Oxford comes to you as a mirror of the unfathomable creativities and potentials that exist and grow in the head of students.

Suresh Baral
HoD, BCA

DEAN'S LIST AWARDED STUDENTS

1. Prakash Pathak
2. Arjun Pandey
3. Durga Narayan Shrestha
4. Sharma Laxmi Salikram
5. Niradesh Mani Sharma
6. Dipesh Adhikari
7. Shobaraj Poudyal
8. Kamal Pathak
9. Anil Thapaliya
10. Binod Kumar Shrestha
11. Tara Devi Aryal
12. Ramesh Upreti
13. Bishow Prakash Pokharel
14. Ram Binay Gupta
15. Anju Adhikari
16. Binod Gurung
17. Ramesh Pokharel
18. Namita Bastola
19. Devi Prasad Timilsina
20. Jamuna Ghale
21. Mahesh Shrestha
22. Shree Krishna Acharya
23. Babita Timilsina
24. Amrita Sapkota
25. Isma Pokharel
26. Rabin Shrestha
27. Diwakar Khadka
28. Krishna Basyal
29. Manju Bagale
30. Krishna Kumari Gurung
31. Suvam Sigdel
32. Rajani Bhandari

"Our vision is to serve your mission"

Glory of OCEM (BCA Gold Medalists)

1. Kamal Pathak (3.97/4.0 CGP)
2. Ramesh Upreti (3.79/4.0 CGPA)
3. Namita Bastola (3.98/4.0)
4. Mahesh Shrestha (
5. Krishna Basyal (



BCA Gold Medalist Ramesh Upreti



choose OCEM and cherish the pride of begin a part of it.

Namita Bastola, BCA Gold Medalist, Batch 2010

It is an immense pleasure to pour my words towards oxford college of engineering and Management. It is always flourishing its quality from the date of establishment to provide the professional and ethical valuable to the students. To, me choosing OCEM is one of the best decision I've ever made in my life. The teaching methodology practical knowledge extracurricular activities so and others are all awesome and fun. Parental guidance by teachers and seniors have provided a very friendly environment to me.

Ruby Sapkota, BCA VI Semester



Smarter the choice, brighter the future. Following this slogan and selecting OCEM has been one of the best decisions for the brighter future of mine. OCEM has provided the structure to the mud which my mind was.

In the sector of technology, practical knowledge is running in the slow pace but OCEM is providing us practical as well as socialized knowledge. Not only technical but also in other various sectors OCEM has given the great result with the great effort and friendly nature of whole OCEM family. That's why I feel proud to be a part of OCEM family.

Shanti Dhakal, BCA IV Semester

CURRICULUM FOR THE BACHELOR OF COMPUTER APPLICATION

Course Description	Credit Hours
1st Semester	
English – I	3
Mathematics I	3
Digital Logic Systems	3
Computer Fundamental and Application	3
Programming Logic and Techniques	3
2nd Semester	
Business and Technical Communication	3
Mathematics II	3
Financial Accounting I	3
Programming Language	3
Fundamentals of Electrical and Electronics	3
Project I	1
3rd Semester	
Object Oriented Programming	3
Data Structure & Algorithms	3
Systems analysis and Design	3
Financial Accounting II	3
Microprocessor	3
4th Semester	
Numerical Methods	3
Visual Programming	3
Operating Systems	3
Database Management System	3
Computer Graphics & Multimedia Technology	4
Project II	2

Course Description	Credit Hours
5th Semester	
Computer Architecture	3
Java Programming	3
Web Technologies I	3
Mathematical Foundation and Computer Science	3
Software Engineering	3
6th Semester	
Network and Data Communication	3
Fundamentals of Probability and Statistics	3
Applied Economics	3
Organization and Management	3
Web Technologies II	3
Project III	3
7th Semester	
E-Busienss	3
Simulation and Modeling	3
Linux	3
Internship	3
Elective I	3
8th Semester	
Mobile Technologies	3
Management Information System	3
Elective II	3
Project IV	4
Total Credit hours	126

Electives:

Computer

1. Geographical Information System
2. Artistic Intelligence
3. Distributed Database System
4. COM/DCOM Programming
5. Advanced Techniques in Programming
6. Data Mining and Warehousing
7. Advanced Multimedia
9. Advance Database (PL/SQL)
10. Dot (.) Net Programming.
11. Cloud Computing
12. WAP and WML
13. Information and Network Security
14. Software Testing and Project Management
15. OODBMS
16. Embedded System

Management

1. Project Management
2. International Business
3. Promotion Management
4. International Marketing
5. Marketing Management
6. Sales Management



BCA Gold Medalist Namita Bastola

Bachelor of Business Administration (BBA)



BBA students @ taking internal exam

It is a four year bachelor level program of Pokhara University. A student needs to complete 126 credit hours of course-work, project-work and internship for graduation. The course is designed to prepare business graduates with knowledge, skills, confidence and motivation to take up the challenges of business and management in the competitive scenario of the new era. To ensure the students to undergo intensive internship to expose themselves better in the real-life situation in various national and international organizations. As a further study option, BBA degree holders will be able to pursue master's degree programs in management (MBA, MBS, MIM, MTTM, MHM etc.), information system (MCA & MIT) and in other related areas.

Prerequisites:

The candidates should have a higher secondary or equivalent qualification in any discipline from a recognized board or university & securing at least second division from the board or university recognized by Pokhara University.

Summer Project & Internship:

The BBA students are required to undertake a summer project in the Sixth Semester and Internship program in the Seventh Semester.

Bachelor of Business Administration (BBA) is one of the most fascinating course in the present world also known as the business and technology world. This programme is specially designed for those who seek to pursue their career as an entrepreneur, business leader, manager or researcher. The primary purpose of this programme is to generate competent manpower in the field of business. It covers not only core management subjects like Principle of Management, Account, Finance, Marketing, but also other highly relevant supporting subjects like English, Mathematics, Psychology, Sociology etc. Our experience tells us that BBA graduates are found to be fit in diverse organizations, whether small, medium or large, whether profit making or nonprofit making etc. Apart from the efficient and well-designed curriculum, quality education comes through effective and interactive teaching learning activities. OCEM believes that teaching and learning need to cover at least four areas: - Knowledge, Skill, Attitude and Habit (KASH). Which is acquired through teaching by highly experience and devoted teachers, periodic guest lectures by renowned professors, training, workshop, seminars and tours etc.



Narayan Sapkota
HoD cum MR, BBA



Hi, I am Aisha Devkota, student of BBA 6th Semester. As a management student, I have got full opportunities to enhance my managerial skills through Oxford College of Engineering and Management. OCEM intends to be a centre of excellence in management studies not only in Gairidkot but also in Nepal. It is a private run college affiliated to Pokhara University. It offers undergraduate business programs BBA & BCA. It is committed to provide a practical, progressive, modern resourceful and relevant education in management studies. Excellent teachers, friendly atmosphere, very good materials in the learning centre, committed staff, my expectations are totally met and I feel more confident and fluent. I am really happy and feel proud to be an oxfordian and I will certainly recommend OCEM to every one who asks me about Bachelor study.

Aisha Devkota
BBA 6th Semester



The College (OCEM) has been helping to keep my dreams alive. Most importantly it has made me realize that to achieve anything requires faith, vision. We have a really supportive environment with teachers always willing to give up extra time to help us. I am highly satisfied and thankful for all the support that I have received in terms of academics.

Nischal Adhikari, BBA IV Semester



I feel privileged to be a part of the team of one of the best academic institutions of Nepal, i.e. Oxford College of Engineering and Management. Oxford is more than just a College, from the minute you step on College, you become part of an innovative, passionate and motivated community that is dedicated to helping you achieve your dreams.

Dharma Raj Upreti
PhDs, MSCIT, MBA, Assistant Professor

DEAN'S LIST AWARDED STUDENTS OF BBA:

1. Ajeeta Bhattarai
2. Bhawana Manandar
3. Anju Pradhan
4. Anju Bhandari
5. Thirtha Gurung
6. Bikash Neupane
7. Mekha Bahadur Khatri
8. Sudipkranti Tiwari
9. Aayusha Sharma
10. Puran Pd. Poudel
11. Sonam Shrestha
12. Sagun Bhattarai
13. Biswabandu Bhandari
14. Anil Pokharel
15. Ishwar Khadka
16. Keshav Adhikari
17. Pramita Gurung
18. Milan Simkhada
19. Suraj Lamichhane



Students @ library

20. Gokarna Shrestha
21. Krishna Dutta Ghimire
22. Samin Shrestha
23. Madhav Pandey
24. Soni Thapa
25. Rabin Acharya
26. Ranju Poudel
27. Deena Bhattarai
28. Manisha Pakhrin
29. Swadesh Adhikari
30. Sujata Mishra
31. Chandra Bdr. Chaudhary
32. Rajan Adhikari
33. Oshin Shrestha
34. Sarmila Bhandari
35. Kapila Ghimire
36. Akash Shrestha
37. Binita Lamichhane
38. Jyoti Poddar
39. Asmita Khatri
40. Utsab Bhandari

CURRICULAR STRUCTURE AND COURSE CYCLE

Course Description	Credit Hours
1st Semester	
English I	3
Business Mathematics I	3
Financial Accounting I	3
Principles of Management	3
Computer and IT Applications	3
2nd Semester	
English II	3
Business Mathematics II	3
Financial Accounting II	3
General Psychology	3
Introductory Microeconomics	3
3rd Semester	
Business Communication I	3
Business Statistics	3
Essentials of Finance	3
Fundamentals of Sociology	3
Introductory Macroeconomics	3
4th Semester	
Business Communication II	3
Data Analysis and Modeling	3
Fundamentals of Organizational Behaviour	3
Principles of Marketing	3
Financial Management	3
5th Semester	
Basics of Managerial Accounting	3
Business Research Methods	3
Management of Human Resources	3
Fundamentals of Operations Management	3
Concentration I	3
6th Semester	
Introduction to Management Information Systems	3
Legal Aspects of Business and Technology	3
Business and Society	3
Project Work	3
Concentration II	3
7th Semester	
Business Environment in Nepal	3
Fundamentals of Entrepreneurship	3
Internship	3
Elective I	3
Concentration III	3
8th Semester	
Strategic Management	3
Introduction to International Business	3
Essentials of e-Business	3
Elective	3
Concentration IV	3

Concentration (12 Credits Hours)	
Accounting	
Taxation	3
Auditing	3
Advanced Management Accounting	3
Accounting Reports and Financial Statement Analysis	3
Special Topics in Accounting	3
Marketing	
Consumer Behavior	3
Advertising and Sales Promotion	3
Sales Management	3
Retail Marketing	3
Service Marketing	3
Foreign Trade Management	3
Finance	
Corporate Finance	3
Microfinance	3
Investment Management	3
Bank Operations and Management	3
Risk Management and Insurance	3
Fundamentals of Financial Derivatives	3
Financial Institutions and Markets	3
Human Resource	
Labour- Management Relations	3
Contemporary Issues in HRM	3
Compensation and Benefits Management	3
Negotiation and Conflict Management	3
Performance Appraisal	3
Human Resource Development	3
Small Business and Entrepreneurship	
Small Business Entrepreneurship	3
Small Business Finance	3
Rural Marketing	3
Retail Management	3
Social Entrepreneurship	3
Venture Ideas and Models	3
Electives (6 Credits Hours)	
(Any TWO courses from the following list)	
Society and Politics	3
Econometrics	3
Environment and Ecology	3
Media and Public Relations	3
Energy and Sustainable Development	3
Technology for Development	3
Population Dynamics and Development Challenges	3
Creative Thinking and Problem Solving	3

"Our vision is to serve your mission"



Faculty of BBA

Er. Hari Bhandari
Tilak Ram Panthi
Narayan Sapkota
Dr. Basanta Adhikari
Sanjib Mishra
Suryanarayan Poudel
Dharmaraj Upreti
Madhusudan Lamichhane
Navaraj Gautam
Prem Sharma
Narayan Sharma
Binayak Adhikari
Rishi Ram Neupane
Binod Poudel
Ganga Sapkota
Kabiraj Lamsal

Faculty of BCA

Er. Hari Bhandari
Suresh Baral
Sunil Kumar
Sobaraj Poudel
Suresh Raj Sharma
Narayan Sharma
Binayak Adhikari
Prakash Chhetri
Madhusudan Lamichhane
Navaraj Gautam
Rishi Ram Neupane
Sashi Kumar Lamsal
Srijana Dhakal
Er. Tej Aryal



BBA students @ Convocation 2014

Bachelor of Civil Engineering

BE (Civil) is a four year (8 semesters) program launched in 2008, affiliated with Pokhara University. Civil Engineering is the oldest branch of engineering which is growing right from the stone age of civilization. "It is the area in which a wide knowledge of the mathematics and physical sciences gained by study, experience and practice is applied with judgement to develop ways to utilize economically the materials and forces of the nature for the progressive well being of man." In the present world the scope and importance of civil engineering is unquestionably high, nonetheless, quality of education counts too much on its success on which we are focusing.

Civil Engineering students @ Labelling



Er. Ravi Ghimire @ receiving degree award

Objectives:

- ▶ To prepare the students with a solid foundation in mathematics, sciences and technical skills needed to analyze and design civil infrastructure systems.
- ▶ To make familiar with current and emerging civil engineering and global issues, and have an understanding of ethical and societal responsibilities.
- ▶ To develop the ability to obtain professional licensure, and will recognize the need for engaging in life-long learning.
- ▶ To carve the students with necessary qualifications for employment in civil engineering and related professions, for entry into advanced studies, and for assuming eventual leadership roles in their profession.

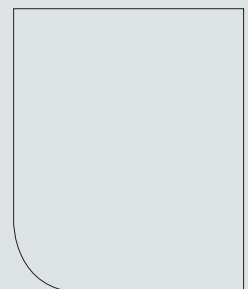
Entry Criteria for Civil & Electrical and Electronics:

1. The candidates should have passed I.Sc. or 10+2 (Science), or I.E. or equivalent securing at least second division from the board recognized by Pokhara University.
2. The candidates must be selected through the entrance examination conducted by the college.

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HoD - Civil Engineering



I am delighted to express my thoughts as the research director and international relation officer to the key stakeholders of Oxford College of Engineering and Management.

"The research department of OCEM is increasingly perceived as being not just responsible for the organization of research, but also for sharing and distributing knowledge and expertise in a credible and convincing way via students' research activities and involvement".

"No research is ever quite complete. It is the glory of a good bit of work that it opens the way for something still better, and this repeatedly leads to its own eclipse".

The research purposes of OCEM are to foresee future problems through pursuit of truth as a "global centre of excellence for intellectual creativity", to respond to current students demands, and to contribute to the creation and development of scientific technologies with the aim of realizing an affluent society and natural environment for humanity. At the same time, the Oxford College of Engineering and Management aims to create excellent educational resources and an excellent educational environment through frontline researches on Managerial, Information Technology and Engineering issues and problems.



Dr. Basanta Prasad Adhikari

Research Head and International Relation Officer



Civil students @ structure lab

Faculties @ briefing former VC Pokhara University



I thank you Oxford College of Engineering and Management for challenging and rewarding BE(Civil) Program you have offered. I am really excited being a student of OCEM. The college has provided me the platform to show my talent in every aspect and would like to receive such co-operation and guidance in future too from teachers and staff to achieve my goal.

Rasha Mishra

BE Civil Topper (Spring 2014)



Oxford, a vast universe of inspiration and motivation that fosters the excellence in learners. I believe that, it to be a gateway to success for the winners and an oasis for the thirsty learners. It is a mine of perfection which molds our knowledge with the excellence and ensures our success. It has always played a significant role in success.

Pratima Shrestha

BE Civil Topper (Spring 2014)



I am happy to become the student of OCEM, where I can found the right platform for my bright future. It is a full full of experienced teachers who encourage in solving every problem of a students. Resources full of library, friendly environment, comfortable classroom and highly equipped lab are the salient features. So, all the oxfordian always welcome those students who wants end up with best engineer.

Sanjil Adhikari

BE (Civil) 2012 Batch

"Our vision is to serve your mission"

Coming to Oxford College of Engineering and Management for my bachelor civil of engineering was one of the big decisions of my life. It has been a platform for my whole career and has done an excellent job sculpting me. The college not only morally boosts and supports the students but also provides opportunities to show their talents in their respective fields. It has enhanced my perspective as a global citizen. The academic scope of Oxford is built so that you can look at the world from a wide angle. Currently I am doing my master from one of the best institute of Asia; Asian Institute of Technology in Geo-technical and earth resources engineering and what am I today its whole credits goes to the OCEM family.



Er. Ravi Ghimire

BE Civil Engineering (2009-2013 Batch)



Chemistry lab @ OCEM



In true words; highly active administration, academic environment and network of qualified teachers are the key features of OCEM. It is one of the successful engineering college that produces competitive manpower in the field of innovation and technology.

OCEM is the center of attraction for the entire emerging engineer. In my case; OCEM provides me a platform that enriches my level of knowledge & single secret of my today's success. I am always thankful to OCEM from bottom of my heart.

Niroj Dahal

BE Civil Engineering (2008 - 2012 Batch)



BE Civil Highest Scorer Niroj Dahal

Faculty of BE Civil

Er. Chetan Kandel	M.Sc. Urban Planning
Er. Dr. Hemchandra Chaulagain	Ph.D. Structural Engineering
Er. Suraj Khatriwada	BE Civil, M.Sc. Earthquake Engg.
Er. Kishwor Devkota	BE Civil, M.Sc. In Sustainable WSHDE
Er. Ashim Adhikari	M.Tech. in Structural Engineering
Er. Shankar Kandel	BE Civil Engineering
Er. Sushil Giri	M.Sc. Geotech Engg.
Er. Suman Giri	B.E. Mechanical, MBA
Mr. Sandip Karna	M.Sc. Physics
Mr. Shankar Pandey	M.Sc. Chemistry (Gold Medalist)
Mr. Ravi Kharel	M.Sc. Chemistry
Mr. Raghav Adhikari	M.Sc. Chemistry
Mr. Bhagwat Poudel	M.Sc. Chemistry
Mr. Arjun Adhikari	M.Phil. English
Mr. Nawaraj Gautam	M.A. English
Mrs. Hema Hamal	M.A. English
Mr. Keshav Raj Adhikari	M.A. Maths
Mrs. Anita Adhikari	M.Sc. Maths



Students @ Electrical laboratory



Physics Lab

CURRICULAR STRUCTURE

Course Description	Credit Hours
1st Semester	
Engineering Mathematics I	3
Physics	4
Thermal Science	2
Engineering Drawing	2
Programming in C	3
Basic Electrical Engineering	3
2nd Semester	
Engineering Mathematics II	3
Chemistry	4
Object Oriented Programming in C ++	3
Communication Technique	2
Mechanical Workshop	1
Applied Mechanics I	3
3rd Semester	
Engineering Mathematics III	3
Applied Mechanics II	2
Civil Engineering Materials	2
Fluid Mechanics	3
Strength of Materials	3
Engineering Geology	3
Project I	1
4th Semester	
Probability & Statistics	3
Surveying I	3
Numerical Methods	3
Hydraulics	3
Structural Analysis I	3
Basic Electronics	2

Course Description	Credit Hours
5th Semester	
Surveying II	3
Soil Mechanics	3
Water Supply Engineering	3
Structural Analysis II	3
Building Technology	2
Survey Field Project	1
Engineering Hydrology	3
Project II	1
6th Semester	
Irrigation Engineering	3
Design of Steel and Timber Structures (Limit State Design)	3
Sanitary Engineering	3
Foundation Engineering	3
Concrete Technology and Design of Masonry Structure	3
7th Semester	
Hydropower Engineering	3
Transportation Engineering I	3
Design of R.C.C. Structures	3
Estimating and Valuation	2
Engineering Economics	3
Elective I	3
8th Semester	
Transportation Engineering II	3
Construction Project Management	3
Professional Practice	2
Elective II	3
Major Project	4



Water supply lab



UTM @ structure lab



Bachelor of Electrical and Electronic Engineering

BE Electrical and Electronics is a 4 year (8 semesters) undergraduate program offered since 2009, affiliated to Pokhara University. It's a blending of electrical and electronics disciplines. It focuses on optimization of power utilization, increasing efficiency and reliability by reducing size of device through new technology. It also develops enterprising professionals who will have an innovative disposition, the confidence and abilities to assume leadership roles in technology, industry and the community. It also gives essential skill to the engineers to be employed in the global competitive environment. It believes **concept, capabilities, confidence & communication** as major components for quality engineering education. This program, in OCEM, has achieved historical success in the final result by securing **university 1st, 2nd and 3rd positions**. All these facts and achievement make OCEM, one of the leading colleges in the nation to cater quality engineering education.

Employment Opportunities

Nepal Electricity Authority, Hydropower, Manufacturing of Electrical and Electronics components, industries, Different ministries, institutions, organizations, Teaching faculty, Solar and other Alternative Energy, Self-entrepreneur, multinational companies etc.

Objectives:

We are committed

1. to impart a comprehensive knowledge with practical, analytical and reporting skills to the students of the stream.
2. to make them acquired wide range of general skills, ability, electrical and electronic competency,
3. to evaluate information, identify key issues, solve problems, complete task on deadline,
4. to use computers with confidence, work productively with other people, communicate effectively and learn independently.

Entry Criteria

The candidates should have passed I. Sc. or 10+2 (Science), or I.E. or equivalent securing at least second division or above from University or Board recognized by Pokhara University.

Welcome to the department of Electrical and Electronics,

It is emerging engineering program formed by blending of Electrical and Electronic disciplines, and essential for hydropower generation, distribution and protection. For the development of nation, hydropower is optionless alternative. Keeping this in view, the most advanced subjects like Power system analysis, Power electronics, Switch gear and protection, Transmission and distribution, Transmission line design, Power plant design, High voltage engineering are taught to make our students professional in their field of power system engineering. With the objectives of transforming our students into efficient and capable technical professionals, having sound knowledge with analytical ability, creativity and professional competence, we impart necessary training to our students to excel in their respective fields.



Department of E&E is committed to excellence in teaching, research based project and inculcating a sense of pride and confidence in our students through disciplined environment, individual counseling and motivation. Department also believes, Engineering education has **triangular relationship** among **Students** with respective guardians, College administration with dedicated faculties and Dynamic University with updated syllabus and proper evaluation system. Regular visit to the college, identification of children area of interest and making accountable for monitory activities are major suggestion to the parents. Similarly, making plan for the study, details discussion, identification of academic environment, result, laboratory, faculties, etc. before taking admission are major suggestion to the students.

As a head of department, I assure to all the students and their guardians we will identify your potentiality and guide for successful engineer.

Thank you

Asso. Prof. Bhim Bhandari

Ph.D. Scholar, HoD – E&E



Students @ physics lab



Learning is a cognitive process that is enhanced through counseling and guidance by right people in right time. Individual proper care, syllabus completion on time, knowledge based teaching, tranquil environment and dynamic faculties, OCEM, is

the right destination to cater engineering career in Gairidkot, Nawalparasi. It's a matter of pride and glory that I have been a part of OCEM. We, students are academically nurtured in such a way that we have got success. So, I assure all the engineering aspirants that you will find OCEM as the right place for pursuing your engineering degree.

Apsana Bhandari

BE E & E (2010-2014 batch) 3.68/4.0
Electrical Maintenance Engineer
Upper Madi Hydropower Pvt. Ltd., Pokhara

I'm really proud to be a student at Oxford. I am getting homely and political less environment that encourages me to be University Topper. Due to my sound practical exposer I have full of confidence that I will keep my and our college name in University at the top most rank.

Jagganath Jha

University topper (Spring 2014)
(Second Semester), 3.94/4.0

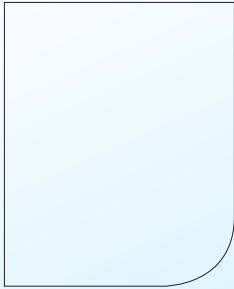


CURRICULAR STRUCTURE

Course Description	Credit Hours
1st Semester	
Engineering Mathematics I	3
Physics	4
Thermal Science	2
Engineering Drawing	2
Programming in C	3
Basic Electrical Engineering	3
2nd Semester	
Engineering Mathematics II	3
Chemistry	4
Object Oriented Programming in C ++	3
Communication Technique	2
Mechanical Workshop	1
Applied Mechanics I	3
3rd Semester	
Engineering Mathematics III	3
Electrical Engineering Materials	2
Network Theory	3
Logic Circuits	3
Electronic Devices	3
Electromagnetic Fields and Waves	3
4th Semester	
Engineering Mathematics IV	3
Numerical Methods	3
Instrumentation	3
Electronic Circuits	3
Microprocessors	3
Electrical Machine	3

Course Description	Credit Hours
5th Semester	
Organization and Management	2
Advanced Electrical Machine	3
Signal and System	3
Transmission and Distribution	3
Control System	3
Probability and Statistics	3
6th Semester	
Power Electronics	3
Power System Analysis	3
Communication System	3
Power System Protection	3
Power Plant and Equipment	3
Switch-gear & Protection	3
7th Semester	
Engineering Economics	3
Machine Design	3
Advanced Instrumentation	3
Transmission Line Distribution	3
Elective I (3 Credit)	3
Project I (Minor project)	2
8th Semester	
Professional Practice	2
High Voltage Engineering	3
Power Plant Design	3
Utilization of Electrical Power	3
Elective II (3 credits)	3
Project II (Major Project)	4

"Our vision is to serve your mission"



Perks of being an engineering student is that you always have an opportunity to dive within your passion and explore your potentials. With dedication, diligence and discipline, not only can you fulfill your dreams but be a better human being as well.

Oxford College of Engineering and Management has been an overall grooming period for me. It focuses on learning beyond academics and has molded me into the person that I am today. Having an excellent team of teachers and staffs; peace and academic environment with their unconditional guidance and support, you won't need to look any further for a better engineering college.

Apart from what the college provides, one must have an indomitable spirit to excel and succeed. So, multiply your potentials with your plans and these potentials will be your seeds of achievement.

Sujit Gurung

BE Civil 6th Semester, 4.0/4.0 2nd & 4th sem



Oxford College of Engineering is an ideal platform for a young student interested in Engineering like me. I have full of confidence that I will achieve my goal. I am getting full cooperation from department. Different extra training and project works empowering me to do

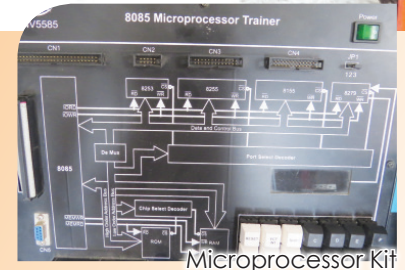
special development in the future. Due to locally availability of Engineering College I am getting this opportunity. I am fully stratify and happy to be member of Oxford College of Engineering and Management

Prabesh Pathak

4th semester topper



Thermal science lab



Microprocessor Kit

Faculty of BE, E.&E.

Er. Bhim Bhandari

Ph.D Scholar, MSc Computer,
BE Elx & Comm

Er. Dhan B. Gurung

BE Electronics and Communication

Er. Bikash L. Shrestha

BE Electrical and Electronics

Er. Dipak K. Chaudhary

MSc. Renuwal Energy, BE Elx. & Comm.

Er. Nitesh Thapa

BE Electrical and Electronics

Er. S.D. Sreevidhya

MSc. Computer, BE Ele. & Elx.

Er. Saroj Ansari

BE Electrical



Advance machine lab



Pelton turbine @ hydropower



Faculties & staffs @ teaching methodology training

Evaluation and Grading System

Academic Schedule

The academic session consists of two semesters per years. Generally the Fall Semester (September- February) Starts in September and the Spring Semester (February- August) begins in February, however it may differ slightly in any particular year due to specific circumference.

Student Evaluation

The student's academic performance during a semester will be evaluated internally by the college and externally (the final examination) by the university. Internal evaluation will be done by the teaching Faculty and it will be of 50% weight. The remaining 50% will be the final examination, conducted by University.

To pass a particular course, a student must obtain a minimum of D grade in sectional work (average of internal assessments) and the final examination, separately.

Attendance Requirement

The students must attend every lecture, tutorial, seminar and practical classes. However, to accommodate for sickness and other contingencies, the attendance requirement shall be a minimum of 80% of the classes in any particular subject, otherwise s/he shall not be allowed to take the final examination in that subject. If a student is continuously absent in the class for more than four weeks without notifying the authorities, his/her name will be removed from the college roll.

Course Registration

The academic record of a student shall be maintained in terms of the courses for which s/he registers in any semester, and the grades s/he obtains in those courses. Registration for courses is done at the beginning of each semester. Since registration is a very important procedural part of the credit system, it is absolutely essential that all students present themselves at the college.

Generally in a particular semester or year only those courses would be offered for registration which are mentioned in the syllabus, however their sequence may be interchanged if necessary.

Transfer of Credit Hours

A maximum up to 25% of the total credit hours of course completed in an equivalent program of a recognized institution may be transferred / waived for credit on the recommendation of the head of the faculty. For transfer of credit, a student must have received a grade of B or better in respective course. Courses taken earlier than five years from the time of transfer may not be accepted for transfer of credit. However, students transferring from one program to another program of Pokhara University may receive a credit transfer of all the compatible courses completed with at least grade C.

The concerned Subject Committee/dean office of the University will make an evaluation of the application for transfer of credit. The awarding of transferred credit will be based on the applicant's score in the University, which s/he has attended previously.

Final Examination

University conducts final examination at the end of each semester. The procedure of final examination conduction will be as per the examination rules of the University.

Unsatisfactory Results

Students may apply for re-totaling or rechecking of their grades as per University rule, upon payment of prescribed fee.

Grading System

The grades (makes) awarded to student in a course is based on his/her consolidated performance in seasonal and final examinations. The letter grade in any particular subject is an indication of a student's relative performance in that course. The pattern of grading will be as follows:

Letter	Grade	Grade Point Description
A	4.0	Excellent
A-	3.7	
B+	3.3	Good
B	3.0	
B-	2.7	
C+	2.3	Satisfactory
C	2.0	
C-	1.7	
D+	1.3	Minimum Requirement
D	1.0	
F	0	Falling

In unusual circumstances, the student may be awarded an incomplete grade of "I". If all the requirements are not completed within the following semester, the grade of "I" will be automatically converted to "F". A student receiving an "I" grade does not need to register for that subject in the following semester to complete the required works.

The performance of a student in a semester will be evaluated in terms of the semester grade point average (SGPA). The student's final grade will be calculated on cumulative grade point average (CGPA).

SGPA= Total honor points earned in a semester/total number of credits registered in a semester. CGPA= Total honor points earned/total number of credits completed.

Division Equivalence

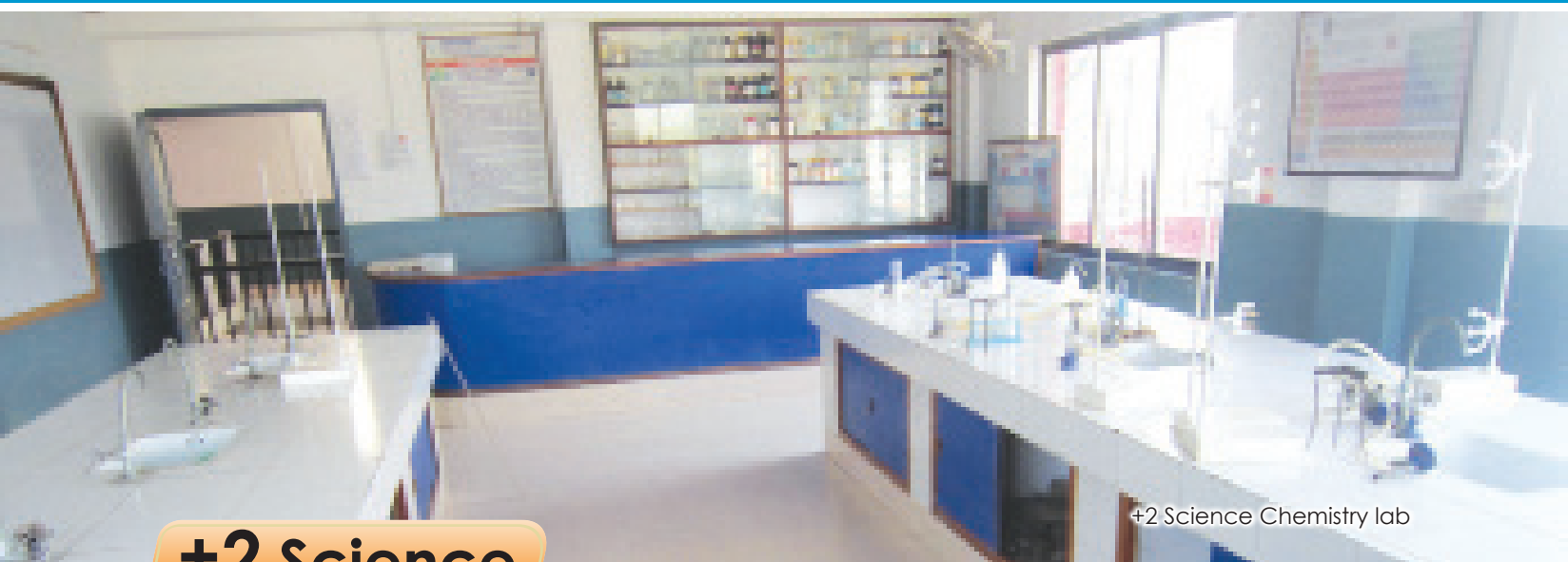
In Pokhara University, CGPA 2.5 or more and 3.0 or more are considered as Second and First divisions, respectively.

Degree with distinction

To obtain a degree with distinction, a student must obtained CGPA 3.6 or better.

Dean's list

The Dean's list recognizes outstanding performances of academic excellence by students. To qualify, a student must obtain a CGPA of 3.7 or better.



+2 Science Chemistry lab

+2 Science

Oxford Higher Secondary School (OHSS) is one of the wings of the ISO 9001:2008 Certified Oxford College of Engineering and Management, Gaindakot, which always takes technical and quality education as the back bone of this era. With this perspective OHSS is providing different kinds of programs giving a number of elective (choice) subjects which are more practical oriented for the students to address the recent needs of the changing society in terms of technical & professional achievement. The motto of OHSS is to provide quality education to uplift educational standard by creating good academic environment.

Objectives

The college is committed to the following objectives:

- To provide opportunities for higher education through modern tools & techniques.
- To improve the teaching/learning process in each & every department and faculty by applying problem based learning/teaching with alternative methods.
- To be a national level college by increasing educational standard providing multinational standard laboratory, e-library etc.
- To prepare morally, socially, and culturally-oriented educated man-power.

Potential Intake

- Students having completed SLC with second division or in any equivalent examination in any discipline from any institution recognized by SLC Board of Nepal are eligible to apply.
- **Scholarship Scheme:** OHSS has allocated some merit scholarship as well as scholarship for poor and honest/intelligent, disable and the under privileged students. Special schemes are there for the sake of such girls.
- **Academic Schedule:** The students of class 11 have to stay in the college for 2 academic years according to Higher Secondary Education Council's schedule which start just after the SLC result of every year.

Dear Parents and Students,



Established with a view to provide a diverse education to individual, student in a safe and supportive environment which promotes self discipline, motivation and excellence in learning. So that student can compete in the global community, OHSS assures your successful future here.

Far from unhealthy practice, OCEM always believes in simplicity, well discipline and quality education by providing free internet, Library and other ECA programmes to expose student's hidden talents to national & international level.

We open our door to you so that you can make wise decision about your academic career. We hope you will find OCEM community the perfect match for your needs.

Krishna Hari Paudel
HOD, +2 Science

Our Programs

OHSS presently offers Bio-Science consists of the following subjects:

Grade XI

C. English
Physics
Chemistry
Biology
Mathematics

Grade XII

C. English
C. Nepali/Alt. English
Chemistry
Physics
Biology/Mathematics
Add. Mathematics

Pure Computer Science consists of the following Subjects:

Grade XI

C. English
Physics
Chemistry
Computer
Mathematics

Grade XII

C. English
C. Nepali/Alt. English
Chemistry
Physics
Computer /Mathematics
Add. Mathematics

Faculties

Physics

Sandeep Karna
Suresh Giri
Krishna Bahadur Khatri
Pradeep Kumar Parajuli
Ganesh Ghimire (Lab Incharge)
Dev Pathak (Lab Assistant)

Mathematics

Krishna Hari Paudel
Hari Thapalia

Computer

Sob Raj Paudel
Bindu Aryal
Dinesh Rana (Network Admn.)
Cholakanta Paudel (Lab Asst.)

Nepali

Prof. Dr. Narayan Pd. Khanal

Chemistry

Shankar Pandey
Ravi Kharel
Raghab Adhikari
Bhagabat Paudel
Bharat Bhatta (Lab Asst.)

Biology

Badri Raut
Dinanath Dhakal
Saroj Shaha
Upasana Ghimire (Lab Asst.)

English

Tilak Ram Panthi
Navaraj Gautam
Purnananda Sharma
Balkrishna Neupane



OCCEM aims to foreground knowledge through scientific learning based on research encouraging students to be interdependent that is distinctive, transformational and inspiring blending intellectual inquisitiveness, imparting practical education to be far from absurd life to excel professional managerial excellence.

Whether you're seeking practical experience, a career change or a boost up the corporate ladder, completing your studies at oxford secondary school can offer a significant edge.

Asmita Neupane
Lecturer, Chemistry

+2 Management

Dear Parents and Students

As we look forward to the future we take Oxford Higher Secondary School, Gaundakot as a place where excellence in education means a challenging and supportive learning environment that provides a sound knowledge and skills to the students to make their future bright that helps them to fight with coming obstacles throughout their lives.

We aim to provide the discipline, knowledge, skills, abilities, attitude and beliefs that are essential for a productive and successful life. We recognize that these goals are best achieved when the college provides an environment in which educators, parents, staff, and others develop and practice core values that benefits the academic and social needs of all students.

Therefore, I request all the parents to join us in mission for to make our college a place in which students love to attend, a place in which parents believe that their children are receiving an education second to none, and a place in which teachers express their joy of working with pride.

Raju Upadhyay
+2 Management





I am happy to post my view towards Oxford College of Engineering and Management. I am Privileged to be the part of it . It is a place of civility, friendship and good cheer, I love it's family like environment. Teachers are equally friendly, cooperative, experienced and they teach technically. The college provides care and peaceful academic environment which motivates the students and its members. I got the college well occupied and equipped with library, canteen and labs. The college environment is conducive to creative and productive learning. Really proud to be the part of it.

Sworup Shrestha

Class XII, +2 Management



After SLC every student starts searching for well-known colleges. Similarly I chose Oxford College of Engineering and Management (OCEM) for my higher education. This college has given me an opportunity to prove myself as a good student by providing me world class education and conducting object oriented practical classes. I got to gain knowledge and wisdom from my various education and discipline experts. The teaching and learning process through the means of technological aids makes it foremost college as well as higher secondary school in whole Nawalparasi district and I am proud to be oxfordian. It's education standard and good academic environment prove that it is best college for my higher studies.

Nisha Patwari

Class XII, +2 Management

Our Programs

Management with Computer Science consists of the following Subject:

Grade XI

C. English
Nepali/Alt. English
Accountancy
Computer Science
Mathematics/Economics

Grade XII

C. English
Accountancy
Computer Science
Mathematics/Economics
Marketing /
Business Mathematics

Hotel Management with Computer Science consists of the following Subject:

Grade XI

C. English
Nepali/Alt. English
Accountancy
Computer Science

Hotel Management

Grade XII

C. English
Computer Science
Accountancy
Marketing /
Business Mathematics
Hotel Management



Faculties

Accountancy

Raju Upadhyay
Madhu Lamichhane
Bikash Poudel
Bharat Giri

Mathematics

Narayan Acharya
Jagat Baniya
Hari Thapaliya

English

Tilak Ram Panthi
Naran Pd. Sapkota
Purnananda Sharma
Hema Hamal

Computer Science

Sunil Kumar
Suresh Baral
Kamal Guragain
Dipika Sharma
Bindu Aryal
Devendra Chapagain

Nepali

Bishnu Maya Pokhrel
Shanti Sharma

Economics

Top Bahadur Gautam
Rojina Roka

Hotel Management

Rabindra Budhathoki
Dipak Adhikari

Marketing

Bishnu Sapkota

Photo Gallery of Engineering Lab



Voltage generators @ Basic Elx lab



PIC @ Instrumentation lab



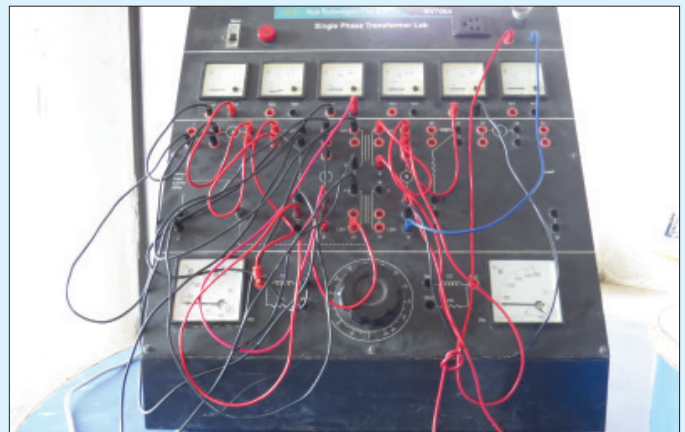
Function generators @ Advanced Elx lab



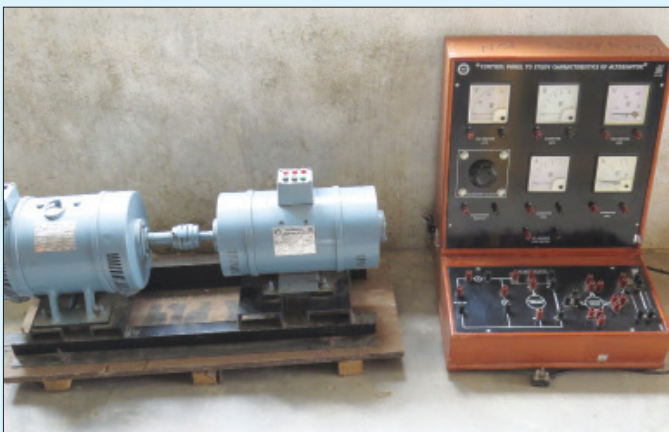
Electronics components @ Basic Electronics lab



Single phase panel board @ Electrical lab



Panel board @ Basic Electrical lab



Alternator with panel @ Advanced Machine lab



Function Generator

Photo Gallery of Engineering Lab



Trainer kits @ transmission lab



Trainer kits @ microprocessor lab



Computers @ Basic Computer lab



Shear failure testing machine



Refrigeration Testing System



Air Compressor @ Thermal lab



Pollution emission instrument @ Thermal lab



Compressor @ Thermal lab

Photo Gallery of Engineering Lab



Water head loss meter



Ventury meter



Reynold's apparatus



Engineering material testing equipment



Universal testing machine



Mechanical workshop



Milling/Shaper machine @ workshop



Lathe machine @ mechanical lab

Photo Gallery of Engineering Lab



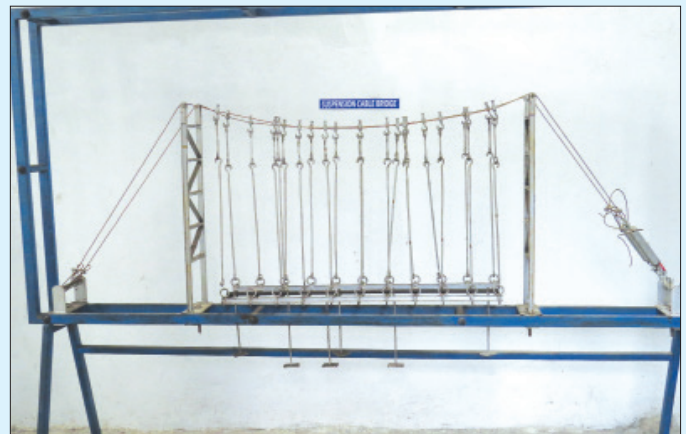
Open channel flow test



Shaper machine @ mechanical workshop



Milling machine @ mechanical workshop



Suspension bridge @ structure lab



Truss analysis apparatus @ structure lab



Two hinge arch @ structure lab



Unsymmetrical frame



Ele & Elx 4th sem. students

Photo Gallery



+2 management faculties



BBA students' @ 2014 convocation



BBA 2nd semester students



+2 science faculties



Miss Chitwan 2014 & Miss Nepal participant



Office Staff



Engineering faculties



Transportation staffs

Photo Gallery



Security Guard @ OCEM



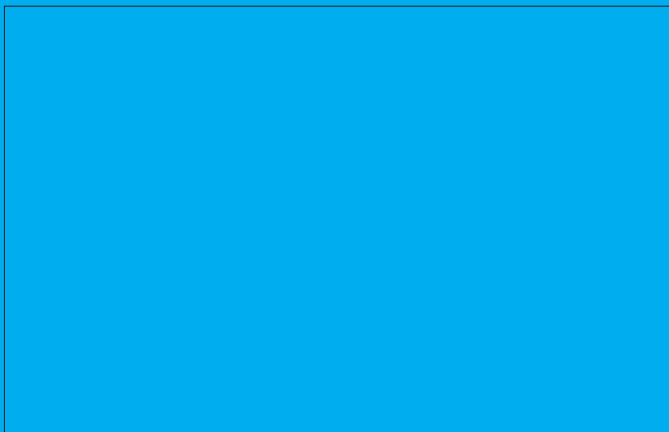
Canteen @ OCEM



Civil students @ surveying



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Photo Gallery



"Our vision is to serve your mission"

Photo Gallery



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"Our vision is to serve your mission"

Photo Gallery



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Photo Gallery



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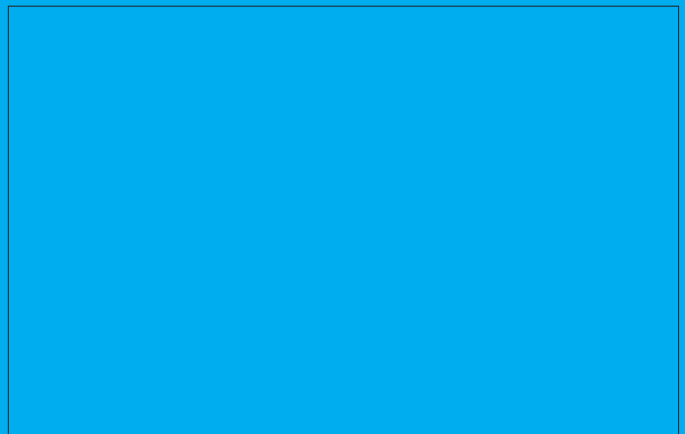
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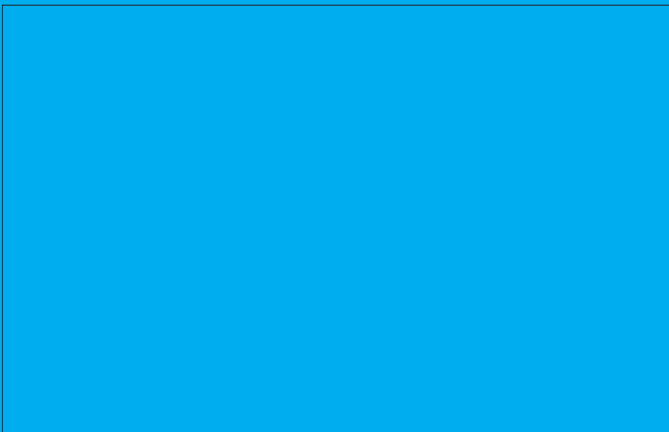
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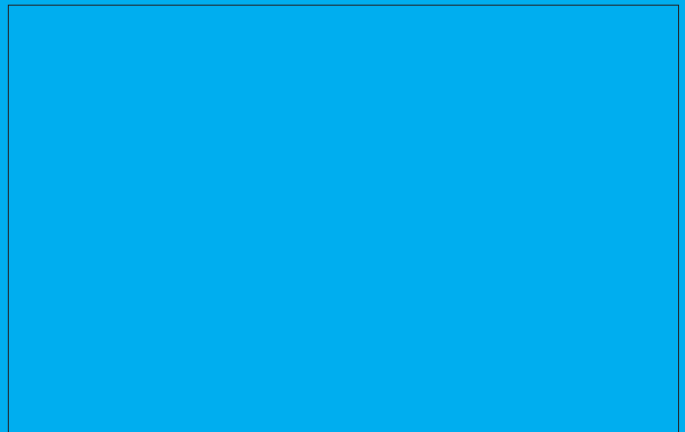
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