Tribhuvan University
Faculty of Management
Office of the Dean

BACHELOR OF INFORMATION TECHNOLOGY MANAGEMENT (BITM)

Curriculum and Program Regulation

Effective from the Admission Batch 2025 AD Onwards

Office of the Dean
Faculty of Management
Tribhuvan University
Kathamandu

INTRODUCTION

The Faculty of Management (FOM), Tribhuvan University has its ultimate objective of educating students for professional pursuits in business, industry and government. It is further dedicated to contributing to an increase in the knowledge and understanding of business and public administration. FOM aims at developing a networking with management institutes in the country and abroad to exchange new knowledge, technology, and methods of achieving higher level efficiency in management of business and public entities. It also attempts to continuously innovate and promote cost-effective, socially relevant, modern technology based educational programs in Nepal.

The FOM offers instructions leading to Bachelor of Business Studies (BBS), Bachelor of Travel and Tourism Management (BTTM), Bachelor of Hotel Management (BHM), Bachelor of Information Management (BITM), Bachelor of Business Administration (BBA), Bachelor of Public Administration (BPA), Bachelor of Mountaineering Studies (BMS), Bachelor of Business Administration - Finance (BBA-F), Post Graduate Diploma in Police Sciences (PGDPS), Master of Business Management (MBM), Master of Business Studies (MBS), Master of Public Administration (MPA), Master of Travel and Tourism Management (MTTM), Master of Hospitality Management (MHM), Master of Finance and Control (MFC), Master of Business Administration (MBA) and Master of Business Administration in Global Leadership and Management (MBA in GLM), Master of Business Administration in Information Technology (MBA IT), Master of Business Administration - Finance (MBA-F), Master of Business Administration in Corporate Leadership (MBA-CL), Master of Business Administration in Marketing (MBA - M), Master of Adventure Tourism Studies (MATS), The FOM also offers Master of Philosophy (M. Phil.) in Management, Master of Philosophy (M. Phil.) in Public Administration leading to a Degree of Doctor of Philosophy (Ph. D.).

FOM's GOALS

- Prepare professional managers capable of handling business in a dynamic global environment.

- Produce socially responsible and creative entrepreneurs capable of promoting business and industry for the socio-economic development of Nepal.

- Conduct research and management development programs for updating the knowledge and skills in academia and corporate world.

- Innovate and promote management programs catering to the needs of various social and economic sectors of Nepal.

- Establish linkages with leading universities and management institutes abroad and collaborate with them in development programs and their implementation in the work place.

BACHELOR OF INFORMATION TECHNOLOGY MANAGEMENT (BITM) PROGRAM

The Bachelor of Information Technology Management (BITM) is a four year eight semester program of the Faculty of Management, Tribhuvan University offering integrated Information Technology and Management courses. This course is envisioned to enable students to develop skills in information technology, and then apply the theories and concepts of a broad, integrated curriculum covering computing, informatics, business fundamentals, and critical and analytical

decision-making. The mission of FOM's Bachelor of Information Technology Management (BITM) program is to develop socially responsive, creative, and result oriented information technology (IT) and management professionals. The BITM program is designed to equip graduates with the skills and attributes required to be effective and efficient information technology professionals.

OBJECTIVES OF THE PROGRAM

The main objectives of the program are as follows:

- Prepare IT professionals proficient in the use of computers and computational techniques with information technology in order to develop effective information systems to solve real life problems in the organizational milieu.

- Develop students' skill in object-oriented software design methods and data management systems focusing with IT and management entrepreneurial skills.

- Provide professional training to students by combining information technology with managerial skills.

- Prepare students to proceed on to postgraduate level study in information management within and outside the country with management, IT and leadership skills.

ELIGIBILITY CONDITION FOR ADMISSION

Students applying for admission to the BITM program must have

- Successfully completed twelve-year schooling or its equivalent from any university, board or institution recognized by Tribhuvan University.

- Minimum of grade D in theory and grade C in practical examination in each subject with CGPA 1.8 or more / Secured at least second division in the 10+2, PCL or equivalent program; and

- Complied with all the application procedure.

ADMISSION CRITERIA

Written Test:

Eligible applicants are required to appear in the entrance test commonly known as Central Management Admission Test (CMAT) conducted by the Faculty of Management. The test will follow the international testing pattern and standards. It includes the areas like:

Verbal ability

Quantitative ability

Logical reasoning

General awareness

There shall be altogether one hundred (100) objective questions in the CMAT containing twenty (25) questions in each section with a total weight of 100 marks. Student must secure a minimum of 40% in the CMAT in order to qualify for the interview.

Interview

Applicants securing above cut off point marks in the CMAT will be short-listed. Only short listed candidates will be interviewed and selected for admission.

Teaching Pedagogy

The general teaching pedagogy includes class lectures, group discussions, case studies, guest lectures, role play, research work, project work (individual and group), assignments (theoretical and practical), and term papers. The teaching faculty will determine the choice of teaching pedagogy as per the need of the course.

The concerned faculty shall develop a detailed course outline and work plan at the beginning of each semester and also recommends the basic text and other reference materials for effective teaching-learning of the course modules.

Internship

In the final semester, students shall be attached to organizations where they have to work for a period of eight weeks. Each student shall prepare an individual project report in the prescribed format based on his / her work in the respective organization assigned to him / her. Evaluation of the internship shall be based on the confidential report by the organization, project report and presentation of the report. The report must be submitted by the end of the eighth semester. Students must secure a minimum grade of "C" in the internship. The internship carries a weight equivalent to 3 credit hours.

Examination, Evaluation and Grading System

The BITM program will be executed through the semester system. The regular program shall be completed in eight semesters. The internal (ongoing) evaluation and the external (end of semester) examination shall carry 40 percent and 60 percent weightage respectively. The semester examinations shall be conducted by FOM. The final grade of the student shall be determined on the overall performance in the internal and external examinations.

Passing Grade and Grading System

The final evaluation of students is done through the examination conducted by Tribhuvan University. Students must secure a minimum of grade 'B' or Grade Point Average (GPA) of 3.0 in the internal evaluation in each subject in order to qualify to appear in the semester examination. In order to pass the semester examination the student must secure a minimum of grade 'B' or the Cumulative Grade Point Average (CGPA) of 3.00. The grading system shall be as follows:

Letter Grade	Cumulative Grade Point Average (CGPA)	Marks Obtained in Percent	Divisions / Remarks
A	4.00	90 - 100	Distinction
A-	3.70 - 3.99	80 - 89.9	Very Good
B+	3.30 - 3.69	70 - 79.9	First Division
B	3.00 - 3.29	60 - 69.9	Second Division
B-	2.70 - 2.99	50 - 59.9	Pass in Individual Subject
F	Below 2.70	Below 50	Fail

Make up/Retake Exam

Make up/Retake examination shall be conducted as per the semester guidelines.

ATTENDANCE

Students are required to attend regularly all theory and practical classes, assignments, study tour, field trip, seminars and presentations as required by the course. A student is required to attend at least 80 percent of such activities in order to qualify for the semester examination.

CREDIT TRANSFERS AND WITHDRAWL

The program allows students to transfer the credits earned by them in similar program of other universities recognized by Tribhuvan University. A student who has partially completed the BITM program and would like to discontinue his / her studies shall also be allowed to withdraw from the program. In such cases, a certificate specifying the credit earned by the student in the program shall be provided.

GRADUATION REQUIREMENTS

- The BITM program extends over eight semesters (four academic years). The BITM degree is awarded upon its successful completion of all the following requirements specified by the curriculum.

- The successful completion of 126 credit hours as prescribed with a minimum of passing grade in all courses with an aggregate CGPA of 3.00. A minimum of grade 'B' obtained in the Project.

- Completion of courses for the fulfillment of the requirements of the BITM program must occur within seven years from the time of registration.

CURRICULAR STRUCTURE

The BITM program requires the students to study a total of 126 credit hours. The curricular structure of the program comprises of the following four separate course components.

I.	Management Courses	30 Cr
II.	Analytical and Support Courses	18 Cr
III.	Information Technology and Computing Courses	66 Cr
IV.	Elective Courses	06 Cr
V.	Project	03 Cr
VI.	Internship	03 Cr
	Total	**126 Cr**

I. Management Courses   30 Cr

Code	Subject	Credit Hrs
MGT 103	Foundation of Business Management	3 Cr
MGT 153	Organizational Behavior & Human Resource Management	3 Cr
ACC 205	Financial Accounting and Analysis	3 Cr
ECO 253	Economics for Business	3 Cr
ACC 253	Cost and Management Accounting	3 Cr
MKT 303	Fundamentals of Marketing	3 Cr
FIN 353	Fundamentals of Corporate Finance	3 Cr
MGT 353	Business Environment	3 Cr
MGT 403	Operations Management	3 Cr
MGT 404	Strategic Management	3 Cr

II. Analytical and Support Courses   18 Cr

Code	Subject	Credit Hrs
ENG 103	English I	3 Cr
ENG 153	Business Communications	3 Cr
MTH 103	Basic Mathematics	3 Cr
STT 204	Business Statistics	3 Cr
SOC 403	Sociology for Business Management	3 Cr
RCH 353	Business Research Methods	3 Cr

III. Information Technology and Computing Courses   66 Cr

Code	Subject	Credit Hrs
ITM 101	Introduction to Computing and Information Technology	3 Cr
ITM 102	Structured Programming in C	3 Cr
ITM 151	Digital Logic	3 Cr
ITM 152	Object Oriented Programming in Java	3 Cr
ITM 153	Discrete Structure	3 Cr
ITM 201	Microprocessor and Computer Architecture	3 Cr
ITM 202	Web Programming – I	3 Cr
ITM 203	Database Management System	3 Cr
ITM 251	Web Programming - II	3 Cr
ITM 252	Data Structure and Algorithms	3 Cr
ITM 253	Computer Networking	3 Cr
ITM 254	Programming with Python	3 Cr

ITM 301	Operating System	3 Cr
ITM 302	Information System for Business Management	3 Cr
ITM 303	Artificial Intelligence	3 Cr
ITM 304	Cyber Security	3 Cr
ITM 351	Data Warehousing and Mining	3 Cr
ITM 352	Software Engineering and System Analysis	3 Cr
ITM 353	IT Innovation and Entrepreneurship	3 Cr
ITM 451	Business Data Analytics	3 Cr
ITM 452	Cloud Computing	3 Cr
ITM 453	E-Commerce and Digital Marketing	3 Cr

IV. Elective Courses   6 Cr

Elective I (Any One course)

Code	Subject	Credit Hrs
ITE 441	Financial Technology	3 Cr
ITE 442	System and Network Administration	3 Cr
ITE 443	Foundation of Data Science	3 Cr
ITE 444	Software Project Management	3 Cr
ITE 445	Mobile Programming	3 Cr

Elective II (Any One course)

Code	Subject	Credit Hrs
ITE 491	Advanced Networking	3 Cr
ITE 492	Database Administration	3 Cr
ITE 493	Machine Learning	3 Cr
ITE 494	Security Management	3 Cr
ITE 495	Digital - Governance	3 Cr

V. Project and Internship   6 Cr

Code	Subject	Credit Hrs
ITM 448	Project	3 Cr
ITM 498	Internship	3 Cr

COURSE CYCLE

First Semester		15 Cr
ITM 101	Introduction to Computing and Information Technology	3 Cr
ITM 102	Structured Programming in C	3 Cr
ENG 103	English I	3 Cr
MGT 103	Foundation of Business Management	3 Cr
MTH 103	Basic Mathematics	3 Cr
Second Semester		**15 Cr**
ITM 151	Digital Logic	3 Cr
ITM 152	Object Oriented Programming in Java	3 Cr
ITM 153	Discrete Structure	3 Cr
ENG 153	Business Communications	3 Cr
MGT 153	Organizational Behavior & Human Resource Management	3 Cr
Third Semester		**15 Cr**
ITM 201	Microprocessor and Computer Architecture	3 Cr
ITM 202	Web Programming – I	3 Cr
ITM 203	Database Management System	3 Cr
ACC 205	Financial Accounting and Analysis	3 Cr
STT 204	Business Statistics	3 Cr
Fourth Semester		**18 Cr**
ITM 251	Web Programming - II	3 Cr
ITM 252	Data Structure and Algorithms	3 Cr
ITM 253	Computer Networking	3 Cr
ITM 254	Programming with Python	3 Cr
ECO 253	Economics for Business	3 Cr
ACC 253	Cost and Management Accounting	3 Cr
Fifth Semester		**15 Cr**
ITM 301	Operating System	3 Cr
ITM 302	Information System for Business Management	3 Cr
ITM 303	Artificial Intelligence	3 Cr
ITM 304	Cyber Security	3 Cr
MKT 303	Fundamentals of Marketing	3 Cr

Sixth Semester		18 Cr
ITM 351	Data Warehousing and Mining	3 Cr
ITM 352	Software Engineering and System Analysis	3 Cr
ITM 353	IT Innovation and Entrepreneurship	3 Cr
FIN 353	Fundamentals of Corporate Finance	3 Cr
MGT 353	Business Environment	3 Cr
RCH 353	Business Research Methods	3 Cr
Seventh Semester		**15 Cr**
SOC 403	Sociology for Business Management	3 Cr
MGT 403	Operations Management	3 Cr
MGT 404	Strategic Management	3 Cr
……….	Elective I	3 Cr
ITM 448	Project	3 Cr
Eighth Semester		**15 Cr**
ITM 451	Business Data Analytics	3 Cr
ITM 452	Cloud Computing	3 Cr
ITM 453	E-Commerce and Digital Marketing	3 Cr
………	Elective II	3 Cr
ITM 498	Internship	3 Cr