

View Book 2025

BITM

Bachelor of Information Technology and
Management

Formally known as BIM



Let's unite to create a digitally
empowered nation!



Affiliated to
Tribhuvan University



BPC
birgunj public college
institute of management



Scholarship
Available

BITM



BITM is a
four-year program



126+ credit hours

Course Objective

The BITM program at Birgunj Public College blends IT and management, equipping students with technical and managerial skills. It prepares them to leverage digital opportunities, devise innovative solutions, and integrate IT with business operations effectively. Graduates gain a competitive edge in the industry and can adapt to evolving technological trends. The program fosters problem-solving abilities essential for modern business environments.

Admission Requirments

To be eligible for the BITM program, applicants must meet one of the following criteria:

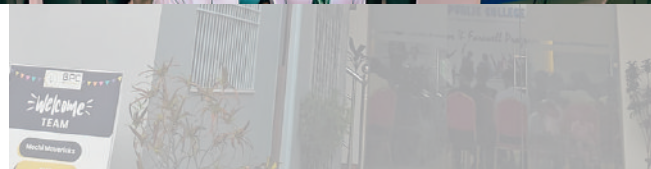
✓ Minimum D grade in each subject of Grade 11 and 12 with a CGPA of 1.8 or higher

OR

✓ A minimum second division in 10+2, PCL, or an equivalent qualification from any discipline.

CMAT Application Form

Application forms for the CMAT (Central Management Admission Test) are available at Birgunj Public College and other institutions offering the BITM program. Interested students must fill out the form accurately, attach the required documents and photographs, and submit it before the deadline.



Course Structure

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

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

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

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

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

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

Evaluation Criteria

Students admitted to the Bachelor of information Technology Management (BITM) program are assessed continuously across multiple academic areas. We implement various evaluation methods, including:

- Assignments and Projects
- Lab Practical Exam and Presentations
- Group Projects and Case Studies
- Quizzes and Tests
- Terminal Examinations
- Continuous Assessments
- Internships and Final Projects
- Peer-Reviews and Online Portfolios

Fields of Careers Prospects

These roles provide a broad range of opportunities in both business and banking, Technology depending on your interests and specialization during your BIM program.



GENERAL BUSINESS ROLES

- ☐ **Business Analyst** – Analyzing business processes, identifying areas for improvement, and implementing solutions.
- ☐ **Marketing Executive** – Planning and executing marketing campaigns, conducting market research, and managing brand promotions.
- ☐ **Human Resources (HR) Officer** – Managing recruitment, employee relations, training, and performance management.
- ☐ **Financial Analyst** – Assessing financial data, creating reports, and helping organizations make informed financial decisions.
- ☐ **Operations Manager** – Overseeing daily operations, ensuring efficiency, and improving business processes.
- ☐ **Sales Executive/Manager** – Driving sales, building customer relationships, and developing sales strategies.
- ☐ **Entrepreneur** – Starting and managing your own business in any industry of interest.
- ☐ **Public Relations (PR) Officer** – Managing the public image of an organization, including media relations and communications.



BANKING-SPECIFIC ROLES

- ☐ **Bank Manager** – Overseeing the day-to-day operations of a bank branch, managing staff, and ensuring customer satisfaction.
- ☐ **Loan Officer/Manager** – Evaluating and processing loan applications, determining creditworthiness, and managing loan portfolios.
- ☐ **Relationship Manager** – Building and maintaining relationships with high-net-worth clients, providing banking and financial services tailored to their needs.
- ☐ **Credit Manager** – Assessing and managing the credit risk of bank clients, approving or denying credit and loans based on evaluations.
- ☐ **Investment Banking Analyst** – Analyzing financial data, creating investment strategies, and assisting in mergers and acquisitions.
- ☐ **Branch Operations Manager** – Ensuring smooth operations of a bank branch, focusing on process optimization, compliance, and customer service.



TECHNICAL ROLES

- ☐ **Software Developer/Engineer** – Designing, coding, and maintaining software applications or systems for different platforms.
- ☐ **Data Scientist** – Analyzing and interpreting complex data to help companies make informed decisions.
- ☐ **Artificial Intelligence/Machine Learning Engineer** – Developing AI models and ML algorithms to create smart systems and improve automation.
- ☐ **Cloud Solutions Architect** – Designing cloud-based systems and solutions, managing cloud infrastructure, and ensuring scalable and secure operations.
- ☐ **Database Administrator** – Managing and maintaining databases, ensuring their security, performance, and availability.
- ☐ **Web Developer** – Creating and maintaining websites and web applications with a focus on user experience and functionality.
- ☐ **DevOps Engineer** – Bridging the gap between development and operations teams, automating software development, testing, and deployment.
- ☐ **Network Engineer** – Designing, implementing, and maintaining network infrastructure to ensure optimal performance and connectivity.
- ☐ **Game Developer** – Developing and programming video games for various platforms, including mobile, console, and PC.
- ☐ **Mobile Application Developer** – Developing and maintaining applications for mobile devices on platforms like Android and iOS.
- ☐ **Systems Analyst** – Evaluating and improving IT systems to ensure they meet business requirements efficiently.
- ☐ **UI/UX Designer** – Designing user interfaces and experiences for software, websites, and apps, focusing on usability and aesthetics.
- ☐ **IT Consultant** – Advising businesses on technology solutions and strategies to improve operational efficiency and productivity.
- ☐ **Full Stack Developer** – Working on both front-end and back-end development to create comprehensive web applications and systems.
- ☐ **Big Data Engineer** – Managing and analyzing large datasets using tools like Hadoop and Spark to derive meaningful insights.
- ☐ **IoT (Internet of Things) Developer** – Creating interconnected systems and devices that collect, exchange, and analyze data for smart environments.

Beyond Books: Nurturing Talents & Skills



NETWORK SIMULATION LAB



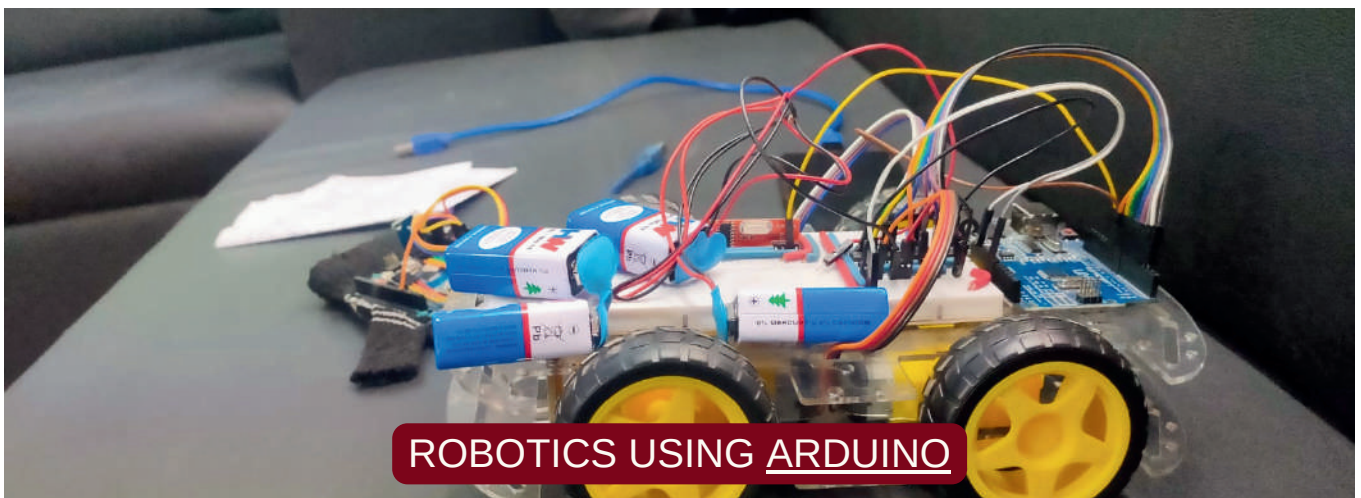
NASA APP CHALLENGE COMPETITION



COMPUTER SCIENCE LAB 1



COMPUTER SCIENCE LAB 2



ROBOTICS USING ARDUINO



HARDWARE LAB



RAFTING



SPORTS



HONOR PROGRAME



INDUSTRIAL VISITS



Er. Jaikishan Kumar

Designation: Academic Coordinator
& Program Head

Qualification: B.Tech, M.Tech-CSE

Dear Students,

Welcome to the Bachelor of information Technology Management (BITM) program at Birgunj Public College!

On behalf of the Department of Computer Science and Technology, I am delighted to extend a warm welcome to you all. At BPC, our commitment goes beyond academic excellence—we strive to nurture your skills, talents, and critical thinking abilities, empowering you to make meaningful contributions to both society and the economy.

We emphasize not only quality education but also holistic personality development, preparing you for the ever-evolving professional landscape. With a team of highly qualified faculty and distinguished visiting professionals from renowned institutions, we integrate innovative teaching methodologies, industry insights, and applied research, ensuring a dynamic and enriching learning experience.

Wishing you a transformative and inspiring journey at BPC!

Thank you!

"Excellence in education, innovation in learning, and a commitment to all-round development."



Students Affairs

- Counseling
- Internship and Job Placements
- Students Mobility Programs
- Exposures Tour
- Community Engagements

Connect with us



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Technology Management

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Contact :

Murli Bagaicha, Birgunj ,Nepal

website: bim.bpcbirgunj.edu.np

bitm.bpcbirgunj.edu.np

mail: info@bpcbirgunj.edu.np

Phone: +977 9809326532