Estd. 1944

GAYA COLLEGE

GAYA (BIHAR)

(A Constituent Unit of Magadh University, Bodh Gaya)

(Accredited by NAAC and Awarded CPE Status by UGC)

P rofessional Courses

P rospectus

Master of Business Administration (MBA)

Master of Computer Applications (MCA)

M. Sc. Biotechnology

M. Sc. Information Technology

Master of Library & Information Science

The Vision

I climbed and climbed
Where is the Peak My Lord ?
I ploughed and ploughed
Where is the Knowledge-treasure My Lord ?
I sailed and sailed,
Where is the island of Peace, My Lord ?
Almighty, bless my Nation
With vision and sweat resulting into happiness.

Dr. A.P.J. Abdul Kalam

Hon'ble Ex-President of India

Vision

Enlightenment and Personality development of younger generation to make them assets to the nation by way of

- Academic Reforms with achievement of goals.
- Administrative Reforms with implementation of discipline.
- Development Reforms with infrastructural aminities and Project.

Mission

Creative Human Resource Development by way of :

1. Providing quality education in modern disciplines.
2. Educating the new generation in contemporary knowledge and skill to meet the challenges of nation-building.
3. Inculcating a sense of moral values, national pride and universal brotherhood among students.
4. Diversifying teaching programmes in changing situation to keep pace with the socio-economic demands of the time.
5. Developing better infrastructure and academic environment for attainment of quality education by different categories of students belonging to urban and rural areas.
6. Education Extension Programme with special emphasis on deprived and marginalised section of the society.

Estd. 1944

GAYA COLLEGE, GAYA

(A Constituent Unit of Magadh University, Bodh Gaya)

(Accredited by NAAC and Awarded CPE Status by UGC)

Master (Professional) Courses

Master of Business Administration (MBA)

Duration : 2 Years (Full Time) ● Course Fee : Rs. 1,25,000/-

Master of Computer Applications (MCA)

Duration : 2 Years (Full Time) ● Course Fee : Rs. 90,000/-

M. Sc. Biotechnology

Duration : 2 Years (Full Time) ● Course Fee : Rs. 1,25,000/-

M. Sc. Information Technology

Duration : 2 Years (Full Time) ● Course Fee : Rs. 1,25,000/-

Master of Library & Information Science

Duration : 1 Year (Full Time) ● Course Fee : Rs. 31,250/-

Departmental Council

Prof. (Dr.) Satish Singh Chandra
Principal-cum-Chairman
Professional Programme
Gaya College, Gaya

MEMBERS

Dr. Kr. Ambarish Narayan
Head
Dept. of Business Administration

Dr. Amit Kumar
Head
Dept. of Computer Applications

Dr. Archana Kumari
Head
Dept. of Biotechnology

Dr. Shadab Ilyas
Head
Dept. of Information Technology

Dr. Md. Rashid Nayeem
Head
Dept. of Library &
Information Science

Dr. Adarsh Kumar Gupta
Administrative Officer
&
Bursar

From Principal-cum-Director's Desk....

Dear Students,

I take immense joy in inviting you to be a part of our citadel of learning. Our array of Professional Programmes is designed to meet the dynamic demands of today's competitive world, blending academic rigour with real-world application. Welcome to Gaya College, Gaya, a premier Institution committed to fostering excellence in education, innovation and professional development at the core of everything we do by offering quality education within the reach of common people.

Our infrastructure includes fully stocked library, national & international Journals, N-LIST access to e-Resources, well-equipped Computer Labs, Auditorium, ultra-modern classrooms, air-conditioned Reading Rooms, Seminar Halls, Conference Halls and Wi-Fi environment to students.

I assure you that the campus facilities, curriculum and our experienced faculty members together will expedite your career growth and will leave no stone unturned to secure you a bright professional future.

Wishing you the very best in your academic pursuits!

Prof. (Dr.) Satish Singh Chandra
Principal
Gaya College, Gaya

Gaya College, Gaya : A Legacy of Excellence

Founded in 1944, Gaya College, Gaya stands as one of the premier institutions of higher education in Bihar, with a legacy spanning over eight decades. Located in the historically significant city of Gaya, renowned for its spiritual and cultural heritage, the college has consistently provided quality education, contributing significantly to the intellectual and social upliftment of the region.

With an aim to cater to a wide spectrum of academic interests and career aspirations, Gaya College offers a diverse array of undergraduate, postgraduate and diploma programmes across various disciplines. The college is well-regarded for its vocational & professional programmes, some of the key departments include:

Management (AICTE Approved): Bachelor of Business Administration (BBA) and Master of Business Administration (MBA).

Computer Applications (AICTE Approved): Bachelor of Computer Applications (BCA) and Master of Computer Applications (MCA).

Biotechnology: Bachelor of Biotechnology (B.Sc. Biotechnology) and Master of Biotechnology (M.Sc. Biotechnology).

Biochemistry: Bachelor of Biochemistry (B.Sc. Biochemistry).

Information Technology: Bachelor of Information Technology (B.Sc. IT) and Master of Information Technology (M.Sc. IT).

Environment & Water Management: Bachelor of Environment & Water Management (B.Sc. EWM).

Library Science: Bachelor of Library & Information Science (BLIS) and Master of Library & Information Science (MLIS).

The college is managed and controlled by the provision of law as provided in the Bihar State Universities Act, Statues, Ordinances, Rules & Regulations promulgated from time to time under the authority of the Government of Bihar and the Chancellor of the Universities of Bihar. Gaya College, Gaya has been granted the College with Potential for Excellence (CPE) Status by the UGC. Additionally, it has also been accredited with an 'A' Grade by the NAAC twice in consecutive accreditation cycles, reflecting its consistent commitment to academic excellence and quality education.

Gaya College is proud of its accomplished faculty, a group of dedicated educators and scholars who bring both academic rigour and practical experience to the classroom. The faculty members are actively engaged in research, contributing to academic publications and participating in conferences, ensuring that they remain at the cutting edge of their respective fields. Their commitment to mentoring and guiding students plays a crucial role in the overall development of learners.

The college places a strong emphasis on student welfare, offering various scholarships, career counseling services and placement opportunities. Through its *Placement Cell*, the institution maintains active connections with industries and businesses, facilitating job placements and internships for students across different fields.

Furthermore, Gaya College has vibrant student clubs and societies that foster a spirit of community and leadership. The National Service Scheme (NSS) and National Cadet Corps (NCC) are popular among students, promoting community service and discipline.

Gaya College, Gaya, with its rich heritage, dedicated faculty and holistic approach to education, continues to be a cornerstone of higher learning in Bihar. It remains committed to shaping the future leaders of tomorrow by providing an environment where academic excellence, personal growth and social responsibility are valued and nurtured.

General Information

Prospectus & Application Form :

Prospectus along with application form for admission may be obtained from the office of the concerned department on payment of Rs. 1,000/- (non-refundable).

Expenses other than Course Fee :

Besides the course fee and charges, a candidate will have to fill-in the Form of Examinations, University Registration, Migration, etc. and deposit the requisite fees for the same as and when required.

Refund Policy :

No fees and charges are refundable. This also applies to the cases of expulsion from the College as well as to all kinds of withdrawals (voluntary or otherwise) from the College enrolment.

Award of Degree :

After the final examination, the Magadh University, Bodh Gaya will publish a list of successful candidates arranged in order of merit. Those who complete the programme successfully will be awarded appropriate degree by the university.

Carry Over Examination :

A candidate who does not clear any paper due to some unavoidable reasons or fails in any paper, shall be promoted (on the discretion of the Principal) to the next semester. The candidate has to carry over the semester examination. The result of the final semester examination shall not be published till he/she appears and passes in the paper in which he/she failed at the previous examination or has not completed due to any reason. The candidate is not allowed to appear in the final semester examination until he/she clears his/her previous semesters. The student shall be allowed to clear any semester in consecutive three chances only.

University Registration :

Students who are not registered with Magadh University, Bodh Gaya will have to get themselves registered on payment of the requisite fees approved by the university. Students coming from other universities will have to submit Migration Certificate from their universities at the time of admission. They will have to fill-up registration form on the dates decided by the university.

Attendance Policy :

Regular attendance is crucial for academic success and professional development. Gaya College, Gaya follows a strict attendance policy, ensuring students' commitment to their academic responsibilities and readiness for future career challenges. Students must maintain a minimum of 75% attendance in each subject during every semester. Failure to meet this requirement will result in being barred from examinations and other academic activities.

Dress Code :

Boys : Grey Trousers paired with a White Shirt

Girls : White Salwar Suit accompanied by a Red Dupatta

Master of Business Administration (MBA)

Eligibility for Admission :

The eligibility criteria for admission to MBA course are:

- ❖ Bachelor's Degree: Candidates must hold a Bachelor's degree (or equivalent) in any discipline from a recognised university.
- ❖ Minimum Percentage: A minimum of 50% marks (45% for some reserved categories) in graduation.
- ❖ Final Year Students: Candidates appearing for the final year of their Bachelor's degree or awaiting results are also eligible to apply, provided they submit proof of completing their degree within a stipulated time.

Selection Process :

The following steps are taken for admitting the students to MBA course:

- ❖ Advertisements for admission are circulated through National Newspapers generally in the month of May or June every year.
- ❖ All applications received are processed according to the requisite qualifications and conditions.
- ❖ Applicants are called for group discussion and interview before the final selection is made.
- ❖ Candidates are shortlisted on the basis of their performance in the group discussion and interview.
- ❖ Preference will be given to those candidates who have a valid score card of national-level entrance tests viz., CAT, XAT, CMAT, MAT, GMAT and ATMA.
- ❖ The selection process also adheres to the reservation roster as mandated by the Government of Bihar.
- ❖ The University reserves the right to control the admission process by implementing a centralised online admission process for the MBA course. Applicants are advised to stay informed about any updates to the admission procedures, which will be communicated through official channels.

Course Fee & Mode of Payment :

Fees and miscellaneous charges of ₹ 1,25,000/- (Rupees one lakh twenty-five thousand only) for the entire course have to be paid through Bank Challan at the time of admission.

Examination Pattern :

- ❖ The students have to appear at the university examination at the end of each semester.
- ❖ The students have to appear at the assessment examination in each semester carrying 30 marks in each subjects. Assessment marks are awarded on the basis of class performance, attendance, assignments & projects, presentations, case study analysis, quizzes & tests, viva-voce and overall professional conduct.
- ❖ The students have to submit an Internship report of 50 marks before filling examination form at the end of third semester. The project work shall be supervised by the teachers of the department.
- ❖ They also have to appear at the viva-voce of 50 marks after submission of the project and written examination in the third semester. The viva-voce shall be conducted by the panel of two external examiners appointed by order of the Principal. It is mandatory to submit project report and appear in the viva-voce for passing in the paper.
- ❖ Medium of examination is English only.

Summer Internship :

Students are required to work on an internship project given to them by the sponsoring organisation

or selected by the students themselves. The summer internship is designed to provide students with real-world industry experience and bridge the gap between academic learning and professional application. This internship allows students to work with leading companies across various sectors, including finance, marketing, human resources and operations. This exposure not only enhances their problem-solving and leadership skills but also helps in building a strong professional network. The internship experience equips MBA students with a deeper understanding of industry dynamics, making them better prepared for future managerial roles. Many students leverage their internship opportunities to secure pre-placement offers, giving them a head start in their careers.

Master of Computer Applications (MCA)

Eligibility and Selection Procedure for MCA in Gaya College, Gaya

Prospective candidates seeking admission to Gaya College, Gaya are required to meet certain eligibility criteria. These include :

Educational Qualifications : Candidates must have successfully completed the Graduation Examination with BCA, B.Sc.(I.T), B.Sc.(Computer Science), Mathematics (Hons.), Physics (Hons.) , Electronics (Hons.), B.E. & B.Tech. in Computer Science / I.T. from a recognized University.

Subject Requirement : Mathematics should have been one of the subjects studied in the 10+2 curriculum.

Minimum Marks : Candidates must have obtained a minimum of 45% marks in the Graduation Examination.

Selection Process : The selection process for admission to Gaya College, Gaya is based on merit. Candidates will be evaluated and shortlisted based on their academic performance in the Graduation examination or written test. Those who meet the prescribed eligibility criteria and achieve a competitive merit score will be considered for admission to their desired programs at Gaya College, Gaya.

M. Sc. Biotechnology

1.   Eligibility for Admission :-

(i)   To be admitted to the course of Master of Science (Biotechnology) a candidate must have passed one of the following examination from Magadh University, or any other university recognized by U.G.C : B.Sc. (Hons) or equivalent examination under 10+2+3 pattern of OR minimum of 45% marks in aggregate education in Biotechnology, Biochemistry, Environmental Science, Industrial microbiology, Micro biology, Botany, Chemistry & Zoology.

OR

Graduation in Agriculture/Forestry/Veterinary/Medical Sciences/Pharmacy with

(ii)   Principal, Gaya College, Gaya shall have the right to cancel the admission of any candidate who in his opinion not found suitable in the interest of the institution.

(iii)   No application shall be considered for admission who has not applied for admission within the specified time.

Admission and Selection procedure :

(i)   The Department shall advertise the admission communique/notice in the month of May-June of each year just after the publication of B. Sc. (Hons.) Biotechnology result of M.U.

(ii)   Interested candidates shall be required to get the prospectus and admission form from the office of P.G. Department of Biotechnology Gaya College, Gaya.

(iii)   The admission to the present course shall be made on the basis of merit list in the Entrance Aptitude Test (EAT) followed by counselling.

(iv)   The entrance test will be conducted to test the knowledge of the candidate from various disciplines of science especially Biotechnology and allied subjects. The duration of the test shall be of one hour or as decided by the department and questions will be of objective/short answer type.

(v)   The college reserves the right to take any decision in all matters of admissions and to enhance or reduce the seats as per university rules.

M. Sc. Information Technology

Eligibility and Selection Procedure for M.Sc. (I.T) in Gaya College, Gaya. Prospective candidates seeking admission to Gaya College, Gaya are required to meet certain eligibility criteria. These include :

Educational Qualifications : Candidates must have successfully completed the Graduation Examination with BCA, B.Sc.(I.T), B.Sc.(Computer Science), Mathematics (Hons.), Physics(Hons.), Electronics (Hons.), B.E. & B.Tech. in Computer Science / I.T. from a recognized University.

Subject Requirement : Mathematics should have been one of the subjects studied in the 10+2 curriculum.

Minimum Marks : Candidates must have obtained a minimum of 45% marks in the Graduation Examination.

Selection Process : The selection process for admission to Gaya College, Gaya is based on merit. Candidates will be evaluated and shortlisted based on their academic performance in the Graduation examination or written test. Those who meet the prescribed eligibility criteria and achieve a competitive merit score will be considered for admission to their desired programs at Gaya College, Gaya.

Master of Library & Information Science

ELIGIBILITY FOR ADMISSION :

(i)   Admission to MLIS programme shall be made in accordance with the provision of ordinance as approved by the His Excellency Chancellor, Universities of Bihar, Patna

(ii)   The candidates for admission in the course must have passed Bachelor of Library & Information Science (BLIS) examination with atleast 50% marks from any college / university recognized by Bihar state or Central Govt.

ADMISSION AND SELECTION PROCEDURES

(a)   Selection shall be made on the basis of marks obtained by the applicant at the Entrance Test to be conducted by the College on all India basis.

(b)   The college shall hold pre-admission entrance test for selection of the candidates. The test shall be conducted in accordance with certain procedures that will match an all India specification.

    (i)   Application forms for entrance test shall be obtained from the department of BLIS in thecollege. Applications received shall be processed according to the requisite qualifications and conditions.

    (ii)   The college reserves the right to take any decision in all matters of admission.

    (iii)   No candidate shall be permitted to be registered as a student in more than one course as per Magadh University rules.

DURATION OF COURSE

The duration of full time MLIS programme shall cover a

period of one academic year.

Infrastructural Attractions

Class Rooms

Class rooms are fully air-conditioned with LCD projectors & smart boards providing perfect space for interactive lectures, presentations and group activities.

Library

Equipped with a quiet study space and separate reading rooms, the library provides students with access to the latest industry insights, case studies & academic publications.

Computer Lab

Computer labs are equipped with state-of-the-art technology with high speed internet, latest software for data analysis, business simulations & project management tools.

Conference Hall

Air-conditioned conference halls with comfortable seating arrangements to accommodate 100 persons fitted with LCD projectors, smart board & public address systems.

Language Lab

Communication is the single most vital skill for both learning and employment. A dedicated language lab is there for students to train them in English communication.

Hostel for Boys & Girls

The College provides separate hostels for boys and girls with well-furnished rooms, high speed Wi-Fi, 24/7 electricity backup, clean drinking water and standard mess facility. Round-the-clock security, CCTV surveillance and medical assistance ensure students' safety & well-being.

Sports & Games

Sports & Games are the integral part of learning, it offers a holistic approach to student well-being and teamwork development. Our campus features state-of-the-art indoor & outdoor facilities, including outdoor sports, indoor games, annual sports events and fitness centre (gymnasium) under the supervision of experienced PT instructor.

Anti-Ragging Campus

We strictly adhere to the Anti-Ragging Policy as per UGC regulations. Any form of ragging-physical, mental or emotional is strictly prohibited. Our College ensures a zero-tolerance policy towards ragging and harassment.

Gender Sensitisation Cell

The cell aims to promote awareness and understanding of gender equality among students. It works to create a safe, inclusive and respectful environment by addressing issues of gender discrimination and bias.

Master of Business Administration (MBA)

From The Desk of The HOD

Dear Students,

Kudos to you for your venture towards enriching your career with a professional qualification. We welcome you to carry forward our legacy of professional excellence, a result of decades of innovation in the education sector. The AICTE approved MBA programme at our institution is designed to provide you academic excellence and leadership abilities required to thrive in the dynamic world of business. The Department of Business Administration, Gaya College, Gaya, nurtures future leaders and innovators!

As the Head of the Department, I am proud to oversee an updated curriculum that blends rigorous academic theory with real-world application. From core business disciplines like Marketing, Finance and HR to emerging areas such as Entrepreneurship and Universal Human Values, our programme offers a holistic view of the management. Our esteemed faculty ensures that you will graduate not only with a comprehensive understanding of management but also with the proficiency to compete in the global area.

We believe in fostering an environment of collaborative learning and keep encouraging our students to engage in extracurricular activities and participate in training & other outbound programmes to make them learn and gain experiences. From case studies and industrial visits to internships and interactive seminars, we prepare our students to lead with integrity and problem- solving mindset.

As we continue to raise the bar to develop talent that is both productive & efficient, our alumni's rapid growth in their careers continues to make us proud, year after year. They serve as a testimony to the quality of education our students receive at our department. We invite you to be part of our journey, where your aspirations meet our commitment to excellence. Let's work together to shape a bright and successful future for you.

Wishing you all the best.

Dr. Kumar Ambarish Narayan
Head
Department of Business Administration
Gaya College, Gaya

Course Plan

Course Duration and System :

Postgraduate / Two Years / 4 Semesters Full Time MBA Programme with Dual Specialisation

Total Number of Credit :

A total of 125 (one hundred twenty-five) Credits in the entire course of 4 Semesters

Course Structure : MBA

FIRST YEAR

SEMESTER - I

Paper Code	Paper Title	L-T-P	Marks	Credit
MBCC-101	Organisational Behaviour	4-1-0	70(U)+30(I) = 100	5
MBCC-102	Managerial Economics & Indian Economic Policy	4-1-0	70(U)+30(I) = 100	5
MBCC-103	Business Statistics	4-1-0	70(U)+30(I) = 100	5
MBCC-104	Indian Ethos & Business Ethics	4-1-0	70(U)+30(I) = 100	5
MBCC-105	Legal & Business Environment	4-1-0	70(U)+30(I) = 100	5
MBSC-106	Entrepreneurship Development	4-1-0	70(U)+30(I) = 100	5
			TOTAL SEMESTER CREDIT	**30**

SEMESTER - II

Paper Code	Paper Title	L-T-P	Marks	Credit
MBCC-201	Marketing Management	4-1-0	70(U)+30(I) = 100	5
MBCC-202	Accounting for Managers	4-1-0	70(U)+30(I) = 100	5
MBCC-203	Research Methodology	4-1-0	70(U)+30(I) = 100	5
MBCC-204	Human Resource Management	4-1-0	70(U)+30(I) = 100	5
MBCC-205	Business Communication	4-1-0	70(U)+30(I) = 100	5
MBCC-206	Computer Applications for Business	3-0-4	70(U)+30(I) = 100	5
			TOTAL SEMESTER CREDIT	**30**

SECOND YEAR

SEMESTER - III

Paper Code	Paper Title	L-T-P	Marks	Credit
MBEC-301	Elective Major - 1	5-1-0	70(U)+30(I) = 100	6
MBEC-302	Elective Major - 2	5-1-0	70(U)+30(I) = 100	6
MBEC-303	Elective Major - 3	5-1-0	70(U)+30(I) = 100	6
MBEC-304	Elective Minor - 1	5-1-0	70(U)+30(I) = 100	5
MBAE-305	Universal Human Values	4-1-0	70(U)+30(I) = 100	5
MBIP-306	Internship Project & Viva-Voce	0-0-10	70(U)+30(I) = 100	5
			TOTAL SEMESTER CREDIT	**33**

SEMESTER - IV

Paper Code	Paper Title	L-T-P	Marks	Credit
MBEC-401	Elective Major - 4	5-1-0	70(U)+30(I) = 100	6
MBEC-402	Elective Major - 5	5-1-0	70(U)+30(I) = 100	6
MBEC-403	Elective Major - 6	5-1-0	70(U)+30(I) = 100	6
MBEC-404	Elective Minor - 2	5-0-0	70(U)+30(I) = 100	5
MBVA-405	Leadership & Teamwork	4-1-0	70(U)+30(I) = 100	5
MBIV-406	Viva-Voce on Industrial Visitis	0-0-8	100	4
			TOTAL SEMESTER CREDIT	32

Total Credit (Overall) = 125

List of Elective Courses as Major Specialisation

Marketing Management (MM)		Human Resource Management (HR)		Financial Management (FM)	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
MBEC-301-MM Elective Major-1	Consumer Behaviour	MBEC-301-HR Elective Major-1	Industrial Relation & Labour Laws	MBEC-301-FM Elective Major-1	Security Analysis & Portfolio Management
MBEC-302-MM Elective Major-2	International Marketing	MBEC-302-HR Elective Major-2	International Human Resource Management	MBEC-302-FM Elective Major-2	International Financial Management
MBEC-303-MM Elective Major-3	Product & Brand Management	MBEC-303-HR Elective Major-3	HR Analytics	MBEC-303-FM Elective Major-3	Corporate Tax Planning
MBEC-401-MM Elective Major-4	Retail Management	MBEC-401-HR Elective Major-4	Training & Development	MBEC-401-FM Elective Major-4	Working Capital Management
MBEC-402-MM Elective Major-5	Integrated Marketing Communications	MBEC-402-HR Elective Major-5	Team Dynamics	MBEC-402-FM Elective Major-5	Management of Financial Institutions & Services
MBEC-403-MM Elective Major-6	Services Marketing	MBEC-403-HR Elective Major-6	Compensation Management	MBEC-403-FM Elective Major-6	Mergers & Acquisitions

List of Elective Courses as Minor Specialisation

Marketing Management (MM)		Human Resource Management (HR)		Financial Management (FM)	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
MBEC-304-MM Elective Minor-1	Advanced Marketing & E-Commerce	MBEC-304-HR Elective Minor-1	Performance Measurement	MBEC-304-FM Elective Minor-1	Financial Derivatives
MBEC-404-MM Elective Minor-2	Rural Marketing	MBEC-404-HR Elective Minor-2	Human Resource Planning & Development	MBEC-404-FM Elective Minor-2	Financial Decision Making

Our Esteemed Recruiters

Recruiters are our proud stakeholders who provide valuable career foundation to our student. Some of our esteemed recruiters are :

Core Faculty Members

Dr. Kumar Ambarish Narayan
Asst. Professor & Head
Dept. of Business Administration
Gaya College, Gaya

Dr. Sushant Kumar Mukherjee
Asst. Professor
Dept. of Business Administration
Gaya College, Gaya

Mrs. Amrita Sinha
Asst. Professor
Dept. of Business Administration
Gaya College, Gaya

Mr. Ajeet Raj
Asst. Professor
Dept. of Business Administration
Gaya College, Gaya

Visiting Faculty

Dr. Mahendra Pratap Singh
Former Head & Dean
Faculty of Commerce
Patliputra University, Patna

Dr. Panna Lal
Head, Dept. of Commerce
Gaya College, Gaya

Dr. Maheshwar Prasad Yadav
Former Professor
PG Dept. of Economics
Magadh University, Bodh Gaya

Dr. Anwar Khurshid Khan
Head & Dean,
Faculty of Commerce
Magadh University, Bodh Gaya

Dr. Satyendra Prajapati
Principal
Jagjiwan College, Gaya

Dr. Shruti Priya
Head, Dept. of Economics
Gaya College, Gaya

Dr. Rajiv Ranjan Sharma
Head, Dept. of Commerce
Marwari College, Ranchi

Dr. Shadab Ilyas
Assistant Professor
Dept. of Information Technology
Gaya College, Gaya

Educational Tour of MBA

Master of Computer Applications (MCA)

Dr. Amit Kumar
In-charge/Head

From The Desk of The HOD

Dear Students

Our MCA program focuses on developing cutting edge computer professionals to effectively and efficiently fulfil the needs of the market.

It is our immense pleasure to welcome you to the Department of Computer Applications (MCA) It is started with an aim to nurture graduate students with a high level of professional performance and high employability prospects. In every post graduate program, one should seek deep understanding of central disciplines, to widen the range of possibilities. The department provides an outstanding academic environment complemented by excellent teaching faculty and the state-of-the-art infrastructure. The comprehensive curriculum with more value added covers all range of topics related to computer science and its applications with added emphasis on knowledge based learning and practical exercises.

The Department provides various values added training programs, various activities, and placement assistance and drives to inculcate high technical skills, culture of teamwork, leadership qualities for achieving excellence and thereby increasing employability skills. The core values of the department help the students to develop their overall personality and make them worthy technocrats to compete and work at global level.

We are very fortunate to have outstanding staff, students and facilities. We look forward to build a most excellent and vibrant academic environment to grab the world wide opportunities. Wishing you a bright future.

Dr. Amit Kumar
Head
Department of Computer Applications
Gaya College, Gaya

Course Plan

Course Structure : MCA

SEMESTER - I

Sl. No.	Name of Course	Type of Course	L-T-P	Credit	Marks
1	Computer Architecture	CC - 1 (Th)	5-1-0	5	100
2	Object Oriented Programme with JAVA	CC - 2 (Th)	4-1-0	3	100
3	JAVA Programming Lab	CC - 2 (P)	0-0-4	2	100
4	Relational Database Management Systems	CC - 3 (Th)	4-1-0	3	100
5	RDBSM Lab	CC - 3 (P)	0-0-4	2	100
6	Data Structure through 'C'	CC - 4 (Th)	4-1-0	3	100
7	Data Structure Lab	CC - 4 (P)	0-0-0	2	100
8	Environment Sustainability & wachchha Bharat Abhiyan Activities	AECC - 1	5-1-0	5	100
			TOTAL CREDIT		25

SEMESTER - II

Sl. No.	Name of Course	Type of Course	L-T-P	Credit	Marks
1	Statistical Computing and Discrete Mathematics	CC - 5 (Th)	5-1-0	5	100
2	Operating Systems & Shell Programming	CC - 6 (Th)	4-1-0	3	100
3	Operating Systems and Linux Lab	CC - 6 (P)	0-0-4	2	100
4	Internet of Things	CC - 7 (Th)	5-1-0	3	100
5	Software Engineer	CC - 8 (P)	5-0-4	2	100
6	Web Technologies	CC - 9 (Th)	4-1-0	3	100
7	Web Technologies Lab	CC - 9 (P)	0-0-4	2	100
8	Ability Enhancement Course / Skill Enhancement Course (from basket of Table-4)	AEC-1/SEC-1	5-1-0	5	100
			TOTAL CREDIT		30

SEMESTER - III

Sl. No.	Name of Course	Type of Course	L-T-P	Credit	Marks
1	Theory of Computation & Compiler Design	CC - 10 (Th)	5-1-0	5	100
2	Machine Learning with Python	CC - 11 (Th)	4-1-0	3	100
3	Machine Learning with Python Lab	CC - 11 (P)	0-0-4	2	100
4	Data Communication & Computer Networks	CC - 12 (Th)	5-1-0	5	100
5	Data Mining and Warehousing Lab	CC - 13 (P)	4-1-0	3	100
6	Data Mining and Warehousing Lab	CC - 13 (Th)	0-0-4	2	100
7	Cryptography and Network Security	CC - 14 (P)	5-1-0	5	100
8	Human Values & Professional Ethics and Gender sensitization	AECC-2	5-1-0	5	100
			TOTAL CREDIT		30

SEMESTER - IV

Sl. No.	Name of Course	Type of Course	L-T-P	Credit	Marks
1	Major Project Dissertation and Viva voce (Based on field work / Industrial Training)	EC	0-0-12	10	100
2	CC-5 of other Department of Social Science or Selected from SWAYAM PG Course	DSE - 1	5-1-0	5	100
	Or				
3	Generic Elective (from the basket of Table - 3)	GE - 1	5-1-0	5	100
			TOTAL CREDIT		15
			TOTAL CREDITS		100

Faculty Details

Dr. Amit Kumar (In-Charge)
Ph. D, MCA

Mr. Kumar Shekhar Singh
MCA

Er. Avinash Kumar
B. Tech.

Dr. Zeenat Parween
Ph.D, MCA

Mr. Amit Kumar
MCA

Mr. Satyendra Kumar
Ph.D (Pursuing), MCA

Mr. Amarjeet Kumar
M.Sc. IT

Md. Usman Ghani
Ph. D (Pursuing), MCA

R. S. Suryamani
MCA

Mr. Shambhu Kumar
MCA

Dr. Dharmendra Kumar
Ph.D, MCA

Master of Science (Biotechnology)

From The Desk of The HOD

Biotechnology is the fastest growing applied science of modern times and is rapidly becoming the corner stone of industrial development and leading us to the brink of bio industrial revolution. The application of biotechnological processes has great impact on the society and there is enormous curiosity in the minds of younger generation about the potentiality of this fascinating field of science. It is expected to bring about radical change in the strata of the society.

The Department of Biotechnology, Gaya College, Gaya offer undergraduate, postgraduate and doctoral programs that equip students with theoretical knowledge, practical skills and industry-ready expertise. I encourage our students to explore interdisciplinary research collaborations, internships and enterpreneurship opportunities.

Together let's hairness the power of biotechnology to create a better future. I extend a hearty welcome to the students opting for undergraduate and postgraduate courses of Biotechnology in Gaya College, Gaya and wish them all success.

Dr. Archana Kumari
Head
Department of Biotechnology
Gaya College, Gaya

Course Plan

Course Structure : M. LIS.

SEMESTER - I

Sl.No.	Paper Title	Marks
1.	Cell Biology & Biomolecules	
2.	Microbial Physiology & Genetics	
3.	Biochemistry, Computer Application & Biostastics	
4.	Laboratory - 1	

SEMESTER - II

Sl.No.	Paper Title	Marks
1.	Molecular Biology & Genetic Enigneering	
2.	Immunology	
3.	Micromolecules & Basic Enzymology	
4.	Laboratory - II	

SEMESTER - III

Sl.No.	Paper Title	Marks
1.	Animal & Plant Biotechnology	
2.	Fermentation & Bioprocess Technology	
3.	Effective Papers - Biophysical Chemistry or Clinical	
4.	Biochemistry or Environmental Biotechnology	
5.	Laboratory - III	

SEMESTER - IV

Sl.No.	Paper Title	Marks
1.	Project / Dissertation	

Resident Faculty

Dr. Archana Kumari	**Dr. Murlidhar Mishra**	**Dr. S. M. Shakil Ahmad**
Head	Assisant Professor	Assisant Professor
PG Centre of Biotechnology	PG Centre of Biotechnology	PG Centre of Biotechnology
Gaya College, Gaya	Gaya College, Gaya	Gaya College, Gaya

Visiting Faculty

Dr. M. Alam   **Dr. Rafique Alam**   **Mrs. Kumari Priyanka**   **Dr. Nutan Chaurasia**

In House Faculty

Dr. Priyanka Kumari	**Dr. Richa Singh**	**Dr. Shadab Ilyas**
Dept. of Hindi	Dept. of Chemistry	Dept. of I. T.
Gaya College, Gaya	Gaya College, Gaya	Gaya College, Gaya

Master of Science (Information Technology)

Dr. Shadab Ilyas
In-charge/Head

From The Desk of The HOD

Dear Students,

Welcome to the Department of Information Technology, Gaya College, Gaya. As the Head of the Department, I am delighted to introduce you to a program that stands at the forefront of technological innovation and development. The field of IT is one of the strong pillar of make in India drive by Govt. of India.

The IT department prides itself on its collaborative spirit, fostering not only academic excellence but also teamwork, creativity and problem-solving. We are fortunate to have a highly motivated faculties and under the guidance of dynamic and visionary Prof. (Dr.) Satish Singh Chandra, Principal Gaya College, Gaya. IT department of Gaya College also received immense support and blessings of Vice Chancellor, M.U, BodhGaya.

Our department is dedicated to nurturing the next generation of IT professionals who will shape the future of technology. We offer a curriculum that blends strong theoretical foundations with practical, hands-on experience. Our labs are equipped with latest technology, and our teaching methodologies are continually updated to reflect the ever-changing landscape of IT. Whether it's in the fields of Artificial Intelligent, Machine Learning, Data Science, Computer Network, Cyber Security, Software development, Website development, our program prepares you to excel in both local and global industries.

I encourage you to take full advantage of the opportunities available here. Participate in projects, internship, workshops, and seminars. We look forward to supporting you as you embark on this exiting journey,

Best wishes for a successfully academic year ahead!

Dr. Shadab Ilyas
Head
Department of Information Technology
Gaya College, Gaya

Course Plan

Course Structure : Master of Science (Information Technology)

SEMESTER - I

Paper Code	Paper Title	Marks Ext. / Int.	Credit
MIT - 101	Object Oriented Programming using Java	70 + 30	4
MIT - 102	Operating Systems	70 + 30	4
MIT - 103	Data Communication and Computer Network	70 + 30	4
MIT - L1	Lab	70 + 30	4
MIT - NC1*	Technical Communication *		0
	Total	280 + 120	16

SEMESTER - II

Paper Code	Paper Title	Marks Ext. / Int.	Credit
MIT - 201	Data Structure and Algorithms	70 + 30	4
MIT - 202	Database Management Systems	70 + 30	4
MIT - 203	Theory of Automata	70 + 30	4
MIT - L2	Lab	70 + 30	4
MIT - NC2*	Introduction to Computer Programming through C*		0
	Total	280 + 120	16

SEMESTER - III

Paper Code	Paper Title	Marks Ext. / Int.	Credit
MIT - 301	Artificial Intelligence	70 + 30	4
MIT - 302	Data Science using Python	70 + 30	4
MIT - 3XX	Elective I Any one elective from the list of	70 + 30	4
	electives offered by the Department	70 + 30	4
MIT - L3	Lab		0
	Total	280 + 120	16

SEMESTER - IV

Paper Code	Paper Title	Marks Ext. / Int.	Credit
MIT - 4XX	Elective II : Any one elective from the list of electives offered by the Department	70 + 30	4
MIT - 4XX	Elective III : Any one elective from the list of electives offered by the Department	70 + 30	4
MIT - 400	Major Project	70 + 30	4
MIT - L4	Lab	70 + 30	4
	Total	280 + 120	16
	Grand Total	1600	64

*Qualifying papers (Non – Credit)

List of Electives

Elective -I	Elective – II	Elective – III
MIT-303 - Mathematics for Computer Science	MIT-411 - Data Mining	MIT-421 - Deep learning
MIT-304 - Multimedia and Animation	MIT-412 - Machine Learning	MIT-422 - Web Technologies
MIT-305 -Software Engineering	MIT-413 - Compiler Design	MIT-423 - E-Commerce
MIT-306 -Cyber Security	MIT-414 - Mobile Computing	MIT-424 - Digital Image Processing
MIT-307 - Operation Research	MIT-415 - Software Quality Assurance and Testing	MIT-425 - Blockchain Technology

Resident Faculty

Dr. Shadab Ilyas (HOD)   **Dr. Masud Alam**   **Ms. Bharti Singh**

Dr. Jolly Pandey   **Ms. Smriti Mishra**   **Md. Rashid**   **Dr. Ashwani Kumar**

Visiting Faculty

Dr. V. K. Verma
Hod, Dept. of Physics
M.U. Bodhgaya

Dr. Md. Sadique
Hod, Dept. of English
Gaya College, Gaya

Sri Kumar Shekhar Singh
Dept. of Computer Applications
Gaya College, Gaya

Dr. Sonu Annapurna
Dept. of Hindi
Gaya College, Gaya

Master of Library and Information Science (M. LIS.)

From The Desk of The HOD

Welcome to the Department of Library and Information Science. We are delighted to have you explore our programs, which are designed to equip students with the knowledge, skills, and values needed to navigate the rapidly evolving field of information science. In today's world, access to, organization, and dissemination of information are critical to success in almost every profession. Our department strives to provide a comprehensive education that integrates traditional librarianship with cutting-edge technology, ensuring our graduates are well-prepared for the challenges of the digital age.

Our curriculum is crafted to give you a solid foundation in both theoretical and practical aspects of the field, covering areas such as information management, archival science, digital libraries, and knowledge organization. We are proud to offer a learning environment that encourages research, critical thinking, and collaboration, supported by faculty who are passionate about both teaching and the advancement of information science.

At our department, we emphasize the importance of lifelong learning, professional ethics, and leadership in the information profession. We also have strong partnerships with libraries, archives, and information centers that provide our students with opportunities for internships and hands-on experience. We are proud of our vibrant academic community, which includes faculty who are leaders in research and practice, as well as students who bring a passion for learning and discovery. Our facilities provide access to the latest technologies and resources, ensuring that you are well-prepared to navigate the future of information services.

Whether you are pursuing a career in librarianship, digital archives, or any of the many facets of information science, we look forward to supporting you on your academic journey. Welcome to a department where information meets innovation, and where your future in the field begins

Dr. Md. Rashid Nayeem
Head
Department of Library and Information Science
Gaya College, Gaya

Course Plan

Course Structure : M. LIS.

Paper	Paper Title	Marks
Paper - I	Universe of Knowledge Part - A : Universe of Knowledge Part - B : Research Method	100
Paper - II	Fundamental of Information Science	100
Paper - III	Information Retrieval (Theory)	100
Paper - IV	Information Technology and System Design	100
Paper - V	Information Users and Needs	100
Paper - VI	Information Sources and Products in Science and Technology	100
Paper - VII	Information Retrieval and Technology Application (Practical) Part - A : Classification Part - B : Information of Technology Application	100
Paper - VIII	Project & Tour Report	100
	TOTAL	**800**

Faculty Members

Preety Chandan   **Bushra Karim**   **Sadhana Dubey**

Rajesh Kumar   **Mukesh Kumar**

Glimpses of Activities

Sprawling Campus

GAYA COLLEGE, GAYA

(A Constituent Unit of Magadh University, Bodh Gaya)

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