Catalyst College

A Unit of Vijayam Educational Trust

AICTE Approved College & Affiliated by Patliputra University, Patna

PROSPECTUS

COURSES OFFERED:

BCA I B.Sc-IT I BBM

CONTENTS

INTRODUCTION

Catalyst College is one of the best college of PPU (Patliputra University). In terms of admission, fee and campus placement this college has been ranked as No. 1 College in patna, Bihar. Catalyst college is a part of "CIMAGE Group of Institutions" run under 'Vijayam Educational Trust'. It is affiliated to Patliputra University, Patna.

At 'Catalyst College', Under Graduate Courses of Management and IT, namely Bachelor of Business Management (BBM), Bachelor of Computer Application (BCA) and Bachelor of Science in Information Technology (B.Sc-IT) are run here. An add-on course is being provided to the students which make them ready for campus placement. It is known as best BCA College in Patna, Bihar which has an excellent placement record over the years.

Catalyst College (*An initiative under the aegis of ('Vijayam Education Trust', a Non-profit Charitable Trust*) aims towards filling up the gap, between acquiring the degree and getting employable. In today's world, industry and workspace are changing very fast and in unexpected way. The New Technologies have transformed the world of work. To meet the demands of this industrial mobility and the future workforce, the higher education eco-system needs to be groomed in a completely different way. Therefore the College focuses on making students ready for these new demands by including latest tools, technology, knowledge, skill based subjects and projects in their course curriculum itself, thereby preparing them for the industry (world of work).

Catalyst College was established in 2009, inaugurated by Hon'ble Chief Minister, *Nitish Kumar* under '*Vijayam Education Trust*', a Non-profit Charitable Trust, to fill the gap, which was left untouched by all, that was 'Not only to prepare the students to earn a University Degree' but 'To make them Job worthy by keeping them abreast the latest tools, technology, knowledge, subjects and skills hence preparing them as per the need of the industry and get them employed in Top-Notch organization'.

Nested in the heart of the capital of Bihar , Patna, a fully Hi-Tech Campus has been developed as an institute of excellence based on the four core principles of providing Industry Linked, Technology based, Research Driven and Seamless Education, one can find a very strong network of Alumni in all the Metro Cities of the country, namely Delhi, Bangalore, Mumbai, Kokata, Pune, Hydrabad, Gurgaon, Noida etc., where our alumni are placed in *Blue-Chip Companies namely Wipro, TCS, ICICI Bank, Karvy etc*.

THE JOURNEY

The journey of the prestigious institute was flagged off in the year 2001, with the establishment of 'The Career Catalyst' with the objective to make the youth employable.

The Career Catalyst started functioning on school finish concept. In this wake it launched training programs as per the need of the industry.

First of all, it achieved the objective of understanding the need of the industry. This was the time when Bihar was planning to take a giant leap towards industrial development. Industries were keenly looking at this state as a place full of opportunities. Telecom Industry was going through a revolutionary phase in Bihar. Along with BSNL, Reliance, Tata and Bharti-Airtel were also planning for their expansion. And with their entry in Bihar, definitely new opportunities were perceptible on the horizon. So, the first step was to understand this opportunity and be ready accordingly to forge ahead.

Ushering a new model in higher education, CIMAGE was established by the Vijayam Educational Trust in 2008, which, over the years, has emerged as the most sought after college for Management, IT & Media Education in Bihar. It was started with a vision of being a nodal centre of innovation and learning in emerging areas of the Knowledge Society. It was inaugurated by the Hon'ble Chief Minister of Bihar Mr. Nitish Kumar, accompanied by the then Editor of Zee News Mr. Punya Prasoon Bajpai. It is now grown to be known as a symbol of Excellence & Innovation. Since it s inception, CIMAGE has strived to provide high quality courses with an emphasis on course design, at the same time also creating an environment that hones and nurtures its students.

It was a matter of great pride for the state of B i h a r t h a t CIMAGE was awarded the 'Most Emerging Institute for Management Education - 2012', on national level by the All India Management Education Association (AIMA) , the most prestigious award given for achieving excellence in the field of Management Education.

Located in the heart of the capital of the state, Patna, this institute of excellence with a fully hi-tech ampus has been developed, based on the four core principles of providing industry-linked, technology based, research- driven and seamless education. It's no wonder that it has earned the prestigious ISO 9001:2008 Certification.
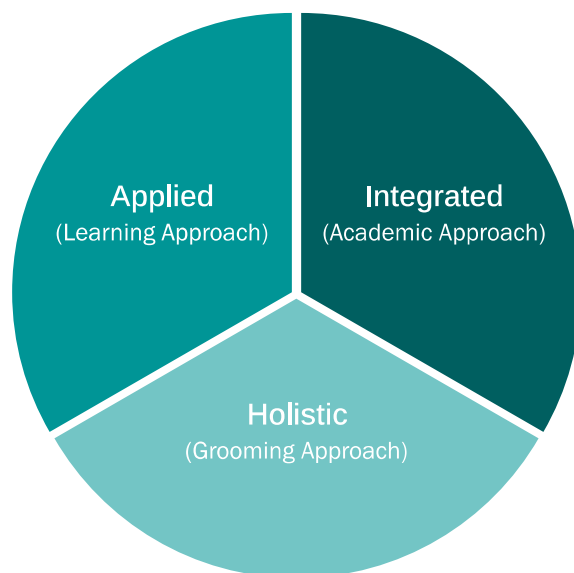
THE JOURNEY

The results of this college in university examinations have always been very good and several times our students have topped in University exams. Undoubtedly, the college is acknowledged in Bihar for quality institution. Considering the requirements, prospects and growth, in different fields of every University Course, the students are provided with some additional 'Add-on' programmes.

OUR PHILOSOPHY

Being inspired by the Story of Sumedha Buddha which unfolds the story of his devotion to his guru Dipankara Buddha in order to move on the path of Bodhisatta to attain Buddha hood. Similarly we, at CIMAGE believe that transformation of a student into a reincarnated avatar (an avatar which has positive thoughts, attitude and actions), could only happen when he devotes himself whole heartedly to his goal to move on the path A student who could contribute in the nation building. The philosophy that teaches to invest in processes that enhances insightfulness and the processes of valuing that which is enduring and human. It ultimately talks about decidated approach to acquire knowledge and follow the journey of self empowerment and therefore the philosophy brings three pillars on which our institution works.

1. *Integrated:* To promote an environment where education is not just information based but rather developing a culture of enquiry where the students could understand how the knowledge could be applied in the world of work that is skill based education.

2. *Holistic:* A holistic and multidisciplinary education which will aim to develop all capacities of human beings -intellectual, aesthetic, social, physical, emotional, and moral in an integrated manner.

3. *Applied:* Encouraging students to become lifelong learners and imbibe essential skills to serve the society at the highest level. To provide plenty of opportunities for participation in sports, culture/arts clubs, eco-clubs, activity clubs, community service projects, etc so that they could understand the needs of theirs society also.

CIMAGE PARADIGM OF HIGHER EDUCATION

Knowledge	Excellence in Meeting Academic Goals.
Skills	Innovation in Course Design to meet the Industry Needs.
Success	Making Students Industry Ready.

"Knowledge, Skill, Success" - the punch line of CIMAGE reflects not only its emphasis on knowledge but also on skill development, which ultimately leads to success. Education empowers a student to think properly for him/her, so as to be able to make correct decisions in life.

However, the present education system puts emphasis on rote-learning and unhealthy competition. It has also been observed that the out-dated content taught in the course is also not so helpful to the students. There exists a disparity between the present market demands and the skills of the educated youth. We know that, at present, the industry is suffering from lack of skilled man power in proportionate to the jobs existing in the market. This mismatch occurs due to many reasons such as poor link between traditional institutions offering vocational courses and the private sectors.

Students often find it difficult to secure proper employment immediately after completing their courses. In view of all these factors, to overcome this problem efficiently and effectively, we, at the Vijayam Educational Trust, have set-up links with several companies and corporate houses so that the students trained by us can be employed soon after completion of their studies/training. Growing ahead with the vision of Skill Development, the Vijayam Educational Trust, has adopted an innovative step. In order to equip its students with required and relevant skills, it has added some Add-on courses with each course.

As a result of that, the products of CIMAGE are not only entitled to get University Certification and they also get ready to serve Industry. In this way they are geared up and ready to meet the challenges of the corporate world. It is a fact that education, combined with vocational

VISION:

Our vision is to keep the light of uncompromising quality standard of our education always illuminating the society. In pursuit of achieving the end, we are committed:

- To develop and promote a value-based and thoroughly professional educational system with innovation at all times.

- To keep pace with the ever expanding frontiers of knowledge. We are set to make significant contribution towards the growth of an intellectual society through pioneering education.

- To be a value- based organization that inspires leadership and satisfies intellectual curiosity. We are a progressive organization with rich humanistic tradition, community & social involvement, accountability, integrity and respect for all.

In this way, we are on the threshold of massive growth marching ahead with continuous commitment to achieve excellence with proven concept to deliver the best.

MISSION:

We have set our mission to keep pace with the changing needs of the society and in this direction our aims are:

- To develop skills of unskilled, semi-skilled persons, dropouts from schools and colleges, and also the weaker section of the society through industrial training and framework of necessary standard curriculum with quality assurance so that they may come up with high performance.

- To focus on underprivileged especially weaker sections of society along with persons of all ages residing in the backward regions of the eastern India so that they may be provided with affordable vocational education through sound business and management practices. In this way they may be able to earn their livelihood and move towards poverty alleviation.

- To develop potential of the people of the eastern India as well as sharpen the skills of rural/semi-rural and backward communities so that they may be able to earn their livelihood. Optimization of human potential by providing superior solutions to them will maximize their engagement in various vocations which will make them happy and prosperous.

- To actively serve the people of the eastern India by providing vocational skills to them. Such high-quality, compassionate and comprehensive livelihood training to the needy persons will make the human resource more productive and proactive.

- To help prepare youth to grow up as a productive adult through entrepreneurship development, technology innovation and skill education. In this way by acquiring such knowledge and skills, the standard and quality of life of individual, family, community and groups seeking assistance from us can be enhanced.

OBJECTIVES:

We are a progressive organization with realistic goals:

- To develop capacity of people by making them efficient so that they may prove worthy for the job they are assigned.

- To assist those aspiring for the job to actively achieve long-term economic self-sufficiency.

- To help employers in meeting their present and future workforce needs.

- To deliver services in the most cost-effective and efficient manner.

Prof. Neeraj Agrawal
Principal, Catalyst College

Nobody ever said that leading an academic institution like CIMAGE Group of Institutions would be an easy task! They also didn't say that in providing this leadership I would find special rewards that have enriched my life experience immeasurably, yet this is exactly what I have experienced here.

CIMAGE is my dream! We teach the students that they need to be lifelong learners, open to the lessons of every experience, and then we provide them with the opportunities to do just that. The examples of many of our successful students, who graduated or post-graduated from our college, have made our faith even more stronger than before that hard-work, devotion, dedication along with correct guidance; lead us to success. The many formal or informal, direct or indirect ways, in which we teach students at CIMAGE, contribute a lot in propelling our students rapidly towards their goal. The success of our college leaves us thinking that CIMAGE has truly become a remarkable teaching and learning community for learners still we have to go miles away and soon we will. As I always say and believe 'Either you have strong will power or weak excuses.'

CIMAGE has developed into a such an educational institution for the study of IT & Management courses, where we have the expertise to support new directions, where the directions are based on what is good for the students now and the college in the long term, where the individual leaders are important only for their passion in moving the programmes forward, and where we have a healthy balance of tradition and innovation.

CIMAGE has adopted a highly proactive role in terms of technological development and continues to produce an environment which supports good and easy learning. In particular, the introduction of Surprise Tests, Monthly Assessment and Revision Quiz (MARQ), Internal Examinations, PPT Presentations by the students after a particular unit gets over; and other innovative methods used at CIMAGE, including publication of CIMAGE's own study material, considering the challenges of the students of Hindi medium and rural background.

CIMAGE is a place, where we take risks, we don't sit back and stagnate and keep doing, rather, repeating the same thing, but we become innovative. We change for better. Lots of people are afraid of change. They feel 'safe and comfortable' where we have always been, doing things the same way, as they always did. This fills them with a sense of comfort, but this is a short-lived security, as the world will change around us and we will be left behind. So it's better to embrace the change and implement it in accordance with our own context, being guided not by external factors, but by our own reality and requirements. It all comes from reflection and focus on the target, and a real desire to grow and achieve the set goal in the best possible way.

CIMAGE is a place where we must continue to grow and change, to sustain and enjoy success in the future, as we have been doing in past and always setting new parameters to be followed by others.

Do your Best !

Prof. Megha Agrawal
Director, CIMAGE Group of Institutions

Let me take this opportunity to applaud the efforts of the students, our teachers, and supporting staffs for all their hard work, sincere and dedicated efforts in keeping the CIMAGE flag flying high in the academic as well as co-curricular activities.

I am happy to see that our students have achieved excellence in various fields; whether it be profession or business, be it management or accounting. In spite of being geographically dispersed all over the country, CIMAGEians continue to cherish a treasured bond with College, a bond nurtured by fond memories of lifelong friendships and dedicated teachers, not to speak of the various activities undertaken in College.

I take this opportunity to express my sincere and heartfelt gratitude to all the students, their parents, the teaching and the supporting staffs of the college for all their efforts and for the support for effective running of the college.

Thank You!!

Dear Students,

The globalization & the opening up of the economy have ushered in a paradigm shift in the entire gamut of industries. Priorities have changed to conforming to the emerging needs.

For the students the changing scenario poses new challenges. To make their mark in this new environs they need to be strong in commitments, focused in their approach and ever quick to assimilate and adopt new ideas and skills.

At CIMAGE students set benchmark that fewer will be able to achieve and that's why our students do not fail to deliver in a demanding, professional and result-driven environment.

I know that in addition to academic excellence, you are also interested in having a fulfilling and enjoyable quality of life while on campus. At CIMAGE when you pass out, you are a superior professional and better person.

With best wishes!!

Prof. Neeraj Poddar
Dean, CIMAGE Group of Institutions

COURSE OFFERED:

INFORMATION TECHNOLOGY

- Bachelor of Computer Applications (BCA)
- Bachelor of Science in Information Technology (B.Sc-IT).

MANAGEMENT

- Bachelor of Business Management (BBM)

Bachelor of Computer Applications (BCA)

BCA Course is typically a *three-year undergraduate degree course* in the field of computer applications. BCA is a popular course for students who want to pursue a career in Information technology (IT) or Computer Science. The course is designed to provide a strong foundation in computer applications and software development, along with essential skills in programming languages, database management, networking, and web development.

The introduction of the BCA course typically covers fundamental concepts in computer science and applications, including:

- Programming Languages: Students learn programming languages such as C, C++, Java, Python, etc., which are essential for software development.

- Database Management Systems (DBMS): Understanding how to design, implement, and manage databases using systems like MySQL, Oracle, or Microsoft SQL Server.

- Operating Systems: Knowledge about different operating systems like Windows, Linux, Unix, etc., including their features and functionalities.

- Computer Networks: Basics of computer networking, including concepts like TCP/IP, LAN, WAN, routers, switches, etc.

- Web Development: Introduction to web technologies such as HTML, CSS, JavaScript, and frameworks like React, Angular, etc.

- Software Engineering: Understanding the software development lifecycle, including requirements gathering, design, implementation, testing, and maintenance.

- Data Structures and Algorithms: Study of fundamental data structures (arrays, linked lists, stacks, queues, trees, graphs) and algorithms, which are essential for solving complex computational problems.

- Computer Architecture: Basics of computer organization and architecture, including CPU, memory, input/output devices, etc.

- Software Testing and Quality Assurance: Techniques for testing software applications to ensure their quality and reliability.

- Project Work: Practical projects and assignments to apply the theoretical knowledge gained during the course.

Bachelor of Science in Information Technology (B.Sc-IT).

Bachelor of Science in Information Technology B.Sc.(IT) is a Three Year Undergraduate Degree Course, which is divided into six semesters. A Bachelor of Science in Information Technology is a Bachelor's degree awarded for an undergraduate course or program in the Information technology field. Being a best BSc IT college in Patna under Patliputra university, CATALYST College offers BSc IT course and campus placement in top multinational companies. Taking admission in BSc IT will be a good choice for the student as it is a job oriented course. CATALYST College is the best choice to get admission for BSc.IT course as this college provides job opportunity along with the course.

Skills to be learnt during B.Sc.(IT)

Students who opt for a Bachelor of Science in Information Technology , B.SC.(IT) gets to learn programming languages such as Java, C++, HML, SQL, etc. Information about various computer applications and latest developments in IT and communication systems is also provided. Learners not only gets skills and information about Computer and Information Technology but also in communication, organization and Management too. You need to make a good choice for the admission in B.Sc.IT course.

Career opportunities after B.Sc.(IT)

Once you get admission and completed this course from best BSc IT college in patna there are many opportunities available for you. Bachelor of Science in Information Technology (B.SC.(IT)) gives a number of opportunities to individuals to go ahead and shine in their lives. The range of chances in Information Technology (IT) are immense. Some are creative while others are highly technical. A few of them being like Software Programmer, System and Network Administrator, Web Designer, Software Programmer, Database Administration, Faculty for Computer Science/Communication Technology, etc. Catalyst College group is one of the finest college under PPU (Patliputra university) where students can get admission through entrance test or in some cases direct admission in allowed.

Bachelor of Business Management (BBM)

Bachelor in Business Management (BBM) is a Three Year Undergraduate Degree Course, which is divided into six semesters. Students get admission and study the subjects related to Business Management like Principles of Management, Business Mathematics & Statistics, Introduction to Operations Research, Business Economics, Financial & Management Accounting, Production & Material Management, Personnel Management & Industry Relations, Marketing Management, Marketing, Finance HRM etc. subjects in depth during BBM. CATALYST College, A Unit of CIMAGE Group of Institutions is recognized as a Best BBM College in Patna Bihar which is has a record of providing an excellent placement over the years.

Skills to be learnt during B.Sc.(IT)

This course helps students to learn leadership qualities and develops their problem solving abilities, which are much required in today's competitive and complex business environment. BBM helps one to acquire professional skills, which are needed in career as a management professional.

BBM course will give you an overall understanding on business process and develop business skills such as communication skills, critical thinking, leadership and decision making and a lot more. It brings you closer to the world of management and helps you grasp knowledge of making business decision like a leader.

Career opportunities after B.Sc.(IT)

Since the BBM Degree provides a student with the basic knowledge about corporate management and skills, he/she can look for jobs in the sales and marketing department of companies as members of sales teams or as management trainees. The backend work is usually handled by them. With the tremendous rise in number of Job opportunities in Education, Government, Business, Management, MNCs, NGOs, Retail Sectors, Banking, Consultancy, Finance, FMCG, Consumer Durables, IT, Advertising and Media, BBM has become a necessity.
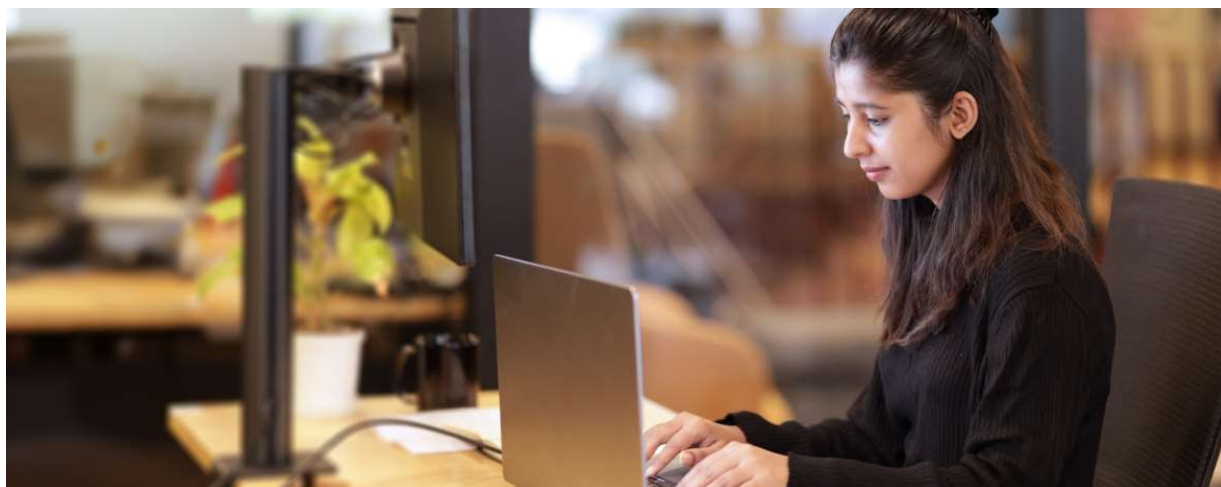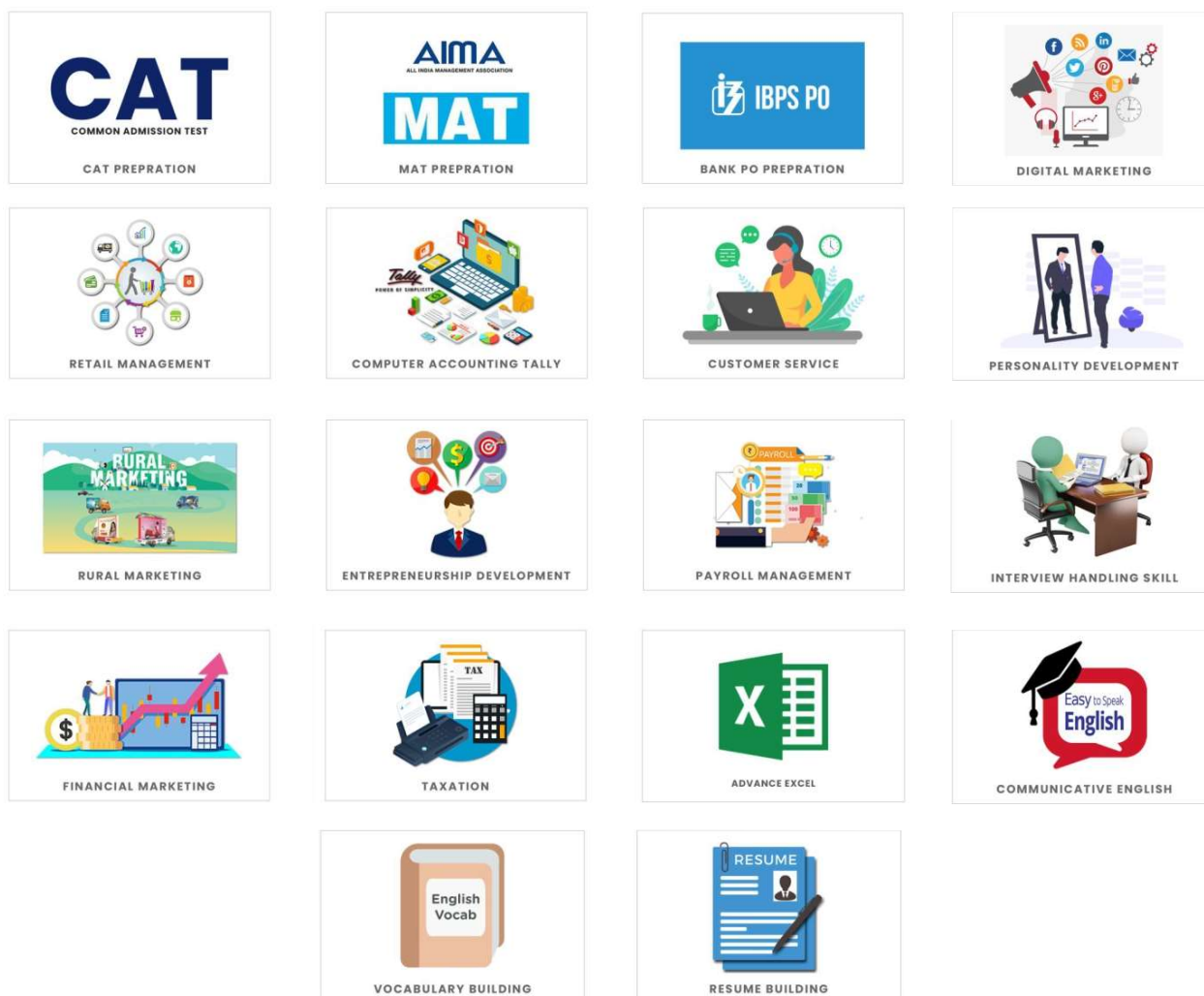
ADD-ON COURSES

FOR IT COURSES:

- Preparatory Classes for *MCA Entrance Exam*
- *Advance Web Development Package*
  (PHP, ASP .Net, JSP, MySQL, SQL Server, Drupal, Bootstrap, JavaScript, Joomla,Wordpress, Website SEO, Photoshop)
- *Advance Java Package*
  (JavaBeans, Cobra, Java Servlet, Socket Programming)
- Diploma in *Computer Hardware Technology*
- Diploma in *Computer Networking Technology*
- Training Programme on *Microsoft Certified Network Engineer*
- Training Programme on *CISCO Certified Network Associate*
- Extensive Training on *English Communication*
- Workshop on *Artificial Intelligence & Machine Learning*
- Workshop on *Blockchain Technology*
- Workshop on *Robotics*
- Workshop on *Ethical Hacking*
- Workshop on *Cloud Computing*
- Workshop on *Linux and Open Office Libra*
- Workshop on *Android and Flutter App Development*
- Workshop on *Software and Web Project Development*
- Workshop on *Advance Excel and Power Point*
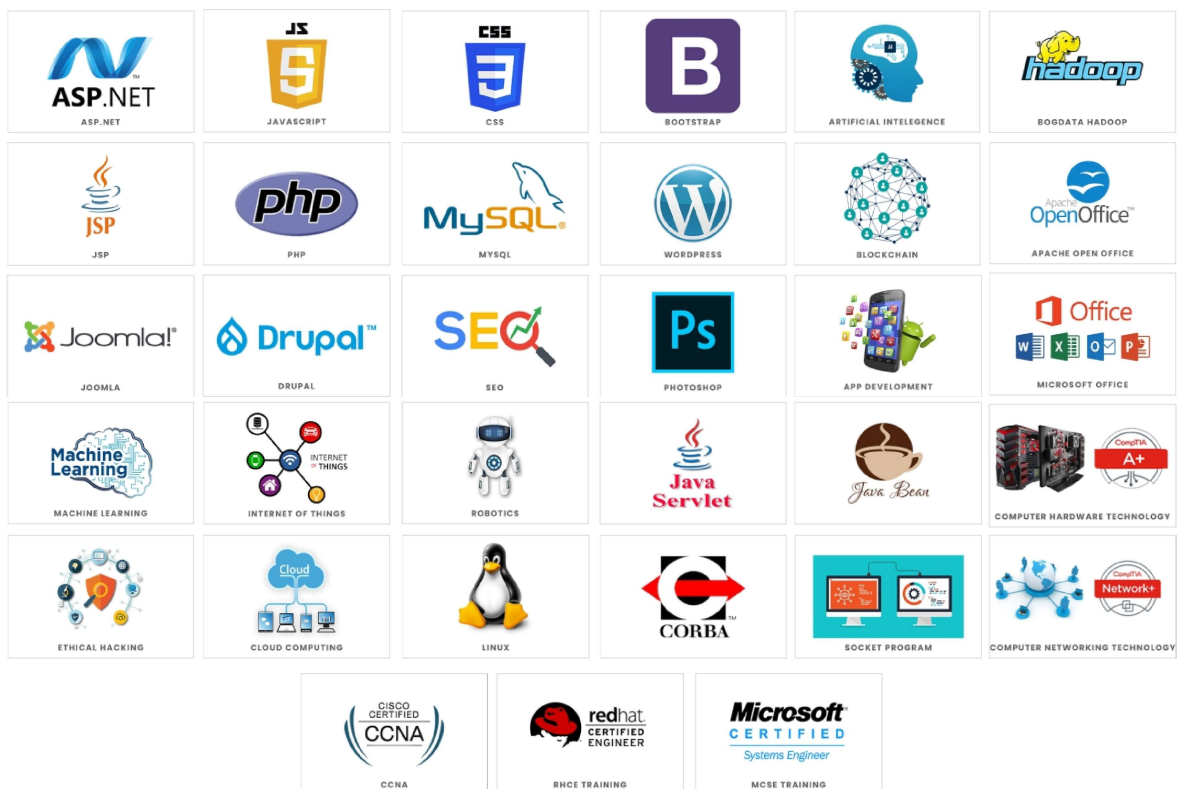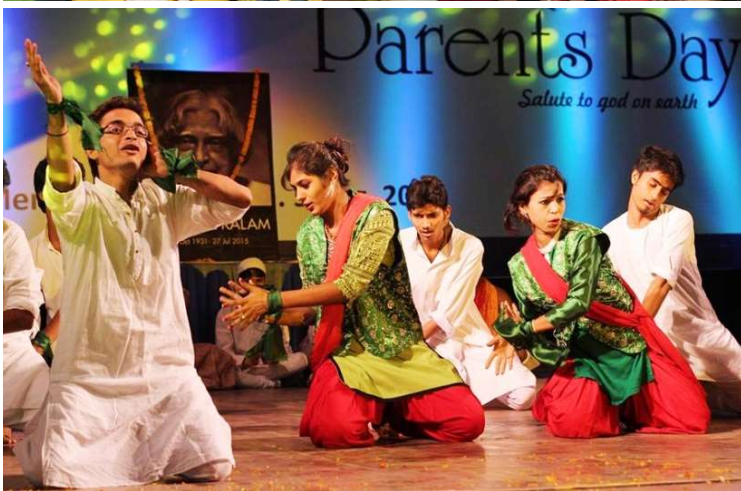
ADD-ON COURSES

FOR MANAGEMENT COURSES:

- Preparatory Classes for *CAT, MAT, Bank P.O.*
- Diploma Courses in *Financial Market*
- Diploma in *Retail Management*
- Extensive Training on *English Communication*
- Intensive Training on *Customer Service*
- Certificate Course in *Project Making*
- *Computerized Accounting (Tally)*
- Certificate Course on *Digital Marketing & Social Media*
- Training Workshop on *Entrepreneurship*
- Workshop on *Taxation(Income Tax, GST, Excise)*
- Workshop on *Rural Marketing*
- Training on *Payroll Management (PF, ESI, Gratuity, Labour Law)*
- Workshop on *Resume Building*
- Training on *Advance Excel & Power Point*

CAT PREPRATION	MAT PREPRATION	BANK PO PREPRATION	DIGITAL MARKETING
RETAIL MANAGEMENT	COMPUTER ACCOUNTING TALLY	CUSTOMER SERVICE	PERSONALITY DEVELOPMENT
RURAL MARKETING	ENTREPRENEURSHIP DEVELOPMENT	PAYROLL MANAGEMENT	INTERVIEW HANDLING SKILL
FINANCIAL MARKETING	TAXATION	ADVANCE EXCEL	COMMUNICATIVE ENGLISH
VOCABULARY BUILDING	RESUME BUILDING		

ACADEMIC INFRASTRUCTURE

CULTURAL ACTIVITIES

SPORTS ACTIVITIES

INDUSTRIAL VISITS
BEYOND THE CLASSROOM LEARNING

ADMISSIONS & ELIGIBILITY CRITERIA

At Catalyst College, admission is granted through 'Entrance cum Scholarship Test', followed by 'One to one' Personal Interview. Those, who qualify the mentioned rounds, are given the opportunity to take admission at Catalyst College. To get admission at Catalyst College you can call at 7250767676 or fill the enquiry form at our website www.catalystcollege.in. The admission counsellors will get back to candidtes and provides all the information regarding admission in BCA, BBA, BSc.IT courses. Economical weaker student can opt the facility of *Student Credit Card* issued by Bihar Government to get admission at Catalyst College. This is one of the best college comes under Patliputra University. For the admission of BCA and BBA courses, Catalyst College is the best college as it is offering world class and modern education environment with campus placement facility. Getting admission in CIMAGE is the best opportunity for a student who wants to make a bright career.

Since the Catalyst college has started, it is always a first choice of all the students for admission in BCA and BBA Courses in Patna. Once the student get admission in this college, they feels like entering a new world of modern education. Along with the main course syllabus we are providing extra add-on courses to make our students Job ready.

Candidates seeking admission in Undergraduate Programs BCA/ BBA / B.Sc.(IT) may either apply Online or may collect 'Entrance Exam Form' from the Admission Department by paying fee of Rs. 800/-

FACULTY MEMBERS

Neeraj Agrawal
Principal

Megha Agrawal
Asst. Professor & Director

Neeraj Kumar
Assistant Professor & Dean

Nitish Rohatagi
Professor

Amit Kumar Shukla
Assistant Professor

Dr. Pawan Kumar Jha
Assistant Professor

Ravi Kumar Soni
Assistant Professor

Anjesh Kumar
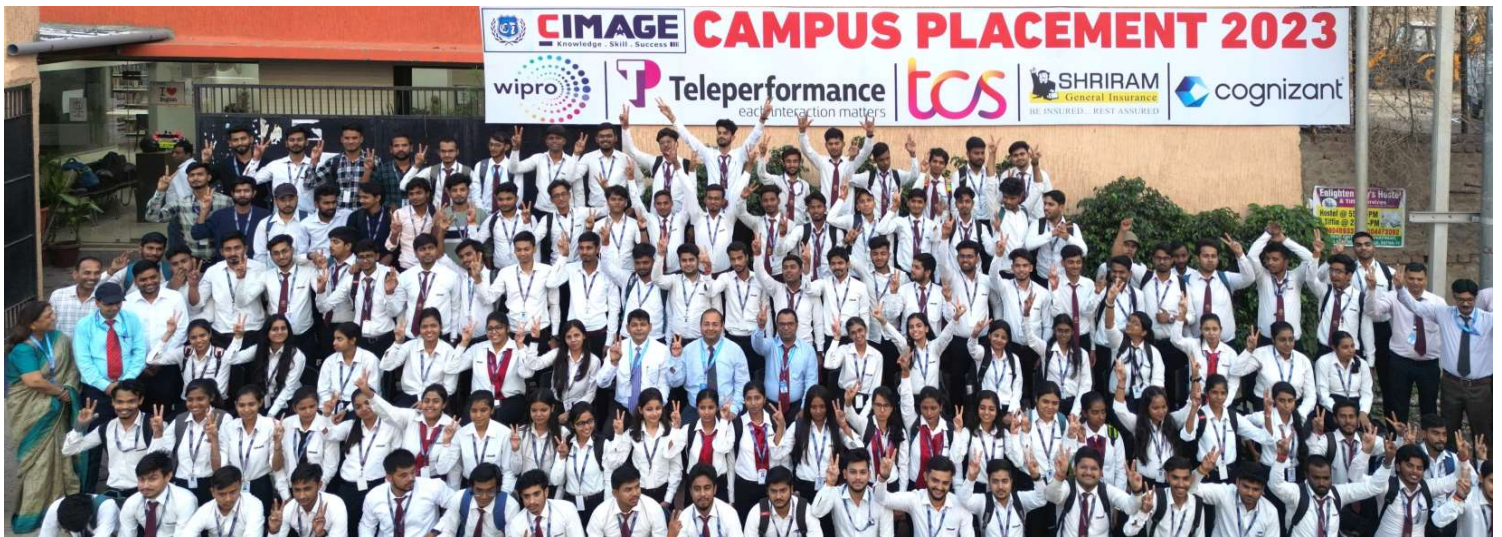Assistant Professor

Akanksha
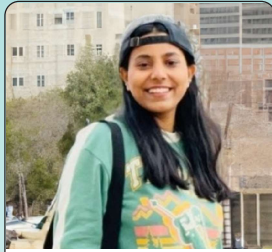Assistant Professor

Murali Manohar
Assistant Professor

Sanjana Sinha
Assistant Professor

OUR PLACEMENTS

OUR ALUMNI

SAMIKSHA GUPTA
wipro

SURAJ PRAKASH
wipro

SHWETA KUMARI
J.P.Morgan

RAJ SHRIVASTAVA
Cognizant

PRIYANKA KUMARI
tcs TATA CONSULTANCY SERVICES

MONU SINGH
HCLTech

NISHI PRAKASH
rackspace

VISHESH SAHAY
EY

ANKIT RAJ
wipro

RAHUL SHARMA
rackspace

ALOK CHOUHAN
Microsoft

SAURABH KUMAR
amazon

KRISHNA KUNAL
intel

ANIL SARASWATI
aryaka

NIRANJAN RAJ
genpact

ASHISH MISHRA
accenture

SURBHI SINGH
FRANKLIN TEMPLETON

PARUL KUMARI
IBM
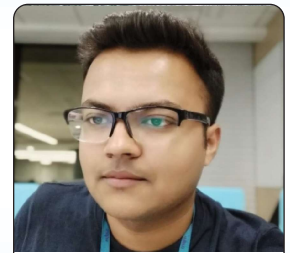
SATAKSHI JAISAWAL
BANK OF AMERICA

ABHINANDAN YADAV
amdocs
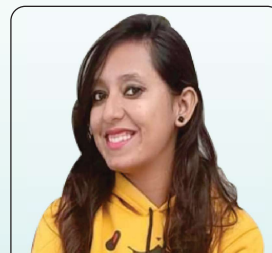
AAKRITI KUMARI
tcs TATA CONSULTANCY SERVICES

JAYA BHARTI
AMERICANA

DIKSHA JAISAWAL
FRANKLIN TEMPLETON

AYUSHI PRITAM
ICICI Bank

RUCHIKA SINGH
HSBC