

*From
Managing Director's Desk...*



JIJEEVISHA EDUCATIONAL AND WELFARE TRUST, PATNA established in the memory of revered father Late Jahru Pandit and the immense mercy of Matashree Smt. Sohago Devi, and also my whole family Members, **JIJEEVISHA EDUCATIONAL INSTITUTION**, is located in the area of Barauni Refinery, At. – Adarsh Nagar Lagauli, Ninga Road, P.O. – Tiltrath, P.S. – Barauni, Dist. – Begusarai, Bihar – 851112, run by it, is affiliated to **Aryabhatta Knowledge**

University, Patna vide Registrar Ref. No. 006/Affli/768/AKU/2024/(Vol-11)-468 dated 13/03/2025 and is a fully professional course approved by AICTE Approval No. (LOA No.) – F. No.-Northern/2025-26/1-44798380837 dated 20/03/2025, where there is provision for study and teaching in the three years course of employment oriented **BCA** and **BBA**. The Existence of such a global institution in a rural area is a significant achievement in itself. On one hand, we aim to prepare students for a global environment and develop skills beyond the traditional method of knowledge acquisition.

JIJEEVISHA EDUCATIONAL INSTITUTION is located in the area of Barauni Refinery, At.- Adarsh Nagar Lagauli, Ninga Road, P.O.- Tiltrath, P.S.- Barauni, Dist.- Begusarai, Bihar – 851112 adjacent to Tiltrath Railway Station, just 15 kilometers northeast of Simariadham and Barauni Railway Junction. This Institution boast a naturally beautiful setting. The gentle beauty of nature beckons. This institution equipped with all the necessary amenities for both Boys and Girls, offers separate hostel and transportation.

The Institution operated with a well – prepared dress code. This institution is distinguished by its unique online and offline teaching system, provide by subject matter experts. It features Smart classrooms, a Computer lab, a high quality e-library, Games and Sports. Discipline and self-discipline are its core values. Adherence to these principles is mandatory in every field.

Managing Director (Honorary)
Jijeevisha Educational Institution
Adarsh Nagar Lagauli, Ninga Road
P.O.-Tiltrath, P.S.-Barauni, Dist.-Begusarai

From Director's Desk...

Today, education means much more than merely acquiring knowledge. With the progress in technology, everything is changing rapidly in the entire world, and so is the education system. Vocational education at **JIJEEVISHA EDUCATIONAL INSTITUTION**, Adarsh Nagar Lagauli, Ninga Road, Tilrath, Barauni, Dist. – Begusarai, Bihar (**Run and Managed by JIJEEVISHA EDUCATIONAL & WELFARE TRUST, Patna**) provides students with essential skills that enhance their employability, support their personal development, and encourage active citizenship.



The Institution is imparting three – year vocational degree courses in **Bachelor of Computer Application (BCA)** and **Bachelor of Business Administration (BBA)**. Through vocational courses, the institute prepares students for both employment and entrepreneurship, instilling a culture of innovation and self reliance. **JIJEEVISHA EDUCATIONAL INSTITUTION** has now earned a brand name in the field of vocational education, which is known far and wide for its quality education and grooming of young minds.

I strongly believe that “All odds, all challenges and all handicaps of life can be overcome with strong determination, persistent hard work, insurmountable patience and unshakeable tenacity”. The institution is dedicated to my Father and Mother.

My best wishes to all the students of **JIJEEVISHA EDUCATIONAL INSTITUTION**, Begusarai.

Director

Jijeevisha Educational Institution

Adarsh Nagar Lagauli, Ninga Road
P.O.-Tilrath, P.S.-Barauni, Dist.-Begusarai

PROFILE OF THE SUBJECT

The **Bachelor of Computer Application (BCA)** course has been introduced by the University with an aim to develop the career of the students as it is job oriented course.

It is an urgent need of the time to start such vocational education which will certainly provide a boon for career making of student of this region which is still under developed.

The opportunities are:

1. Government, private & multinational Companies.
2. It will provide the opportunity to the successful candidates to start their own business.
3. The required number of computer professional will be contributed.



THE PROGRAMME

A. PEDAGOGY

The curriculum design and pedagogy of the program seeks to emphasize the enhancement of abilities and skills of the students with overall knowledge of computers. To achieve this purpose, institution follows interactive mode of teaching which is on the pattern of the followings:

1. Topical Lectures & Tutorials.
2. Group Discussion & Presentations.
3. Seminars.
4. Guest Speakers from Specialized Institutions.
5. Extensive Practice on Computers.
6. Brain Storming Session.
7. Mid – Term Tests & Projects.

B. INTERNAL EVALUATION SYSTEM

Internal Evaluation System on the basis of following points:-

1. Attendance.
2. Discipline.
3. Participation of Theory & Practical Classes.
4. Observance of rules regarding timely deposit of fees / dues.
5. Terms paper, Midterms Test projects, Quizzes etc.

C. THE CONDITIONS OF STUDENTS CONDUCTS

The students admitted in the course are required to follow rules & regulations of the institution. They are required to be good in conduct, and must attend 75% classes before appearing sent – up – test examination.

OTHER FACILITY

Apart from this, Institution will provide the following facilities:

1. Library :

Institution has a world class E-library having more than 20,000 books.



2. N.S.S. :

Institution has its own unit of N. S. S. which is providing its services for the betterment of people.



3. Sports :

Institution has a fully equipped wing of sports with separate indoor and outdoor facilities.



THE BCA PROGRAMME

In the modern professional world, the BCA program has become an important preparatory level graduate course after completing Class 12th, especially in the context of the IT industry, with the exponential growth in the IT sector in our country and with the entry and FDI of various multinational companies, it is reasonable to expect that the IT industry will require a significant role. If one looks at the academic curriculum of the program, it is observed that the coverage is both horizontal and sufficiently vertical, so that a student is groomed for the IT industry, or for higher studies. All the necessary foundation courses required for this is offered at the BCA level, starting from the basic knowledge of computer & math which strengthens the background of various applications software to give an understanding and knowledge of the tools used in the IT industry and even hard core theory papers like Digital Logic, Computer Architecture and Operating Systems for understanding the inner working of the computer system.

The vocational degree course in computer application has been introduced by the university to develop the students into skilled technocrats who can take up the challenges of rapidly IT and communication sectors. Although, it is a job oriented course, but the BCA graduates can pursue higher education and specializations as their option.

Job Potential :

This course will enable the successful candidates to get jobs in IT and Communication sectors.

Eligibility :

The eligibility for admission in BCA course is 10 + 2 in any discipline having minimum 40% marks SC/ST/EBC/ Differently Abled categories and 45% marks for others.

Course Structure

THE BCA PROGRAMME

Sl. No.	Year	Main Subject	Subsidiary	Compulsory
1.	1 st Year	Paper – I Paper - II	Math, Phy, Chem, Zoo., Pol Sc., Eng., EC., Psy., etc.	Hindi Composition/Alt ernative English & Hindi
2.	2 nd Year	Paper – III Paper - IV	Math, Phy, Chem, Zoo., Pol Sc., Eng., EC., Psy., etc.	Hindi Composition/Alt ernative English & Hindi
3.	3 rd Year	Paper – V Paper - VI Paper – VII Practical Paper - VIII Project		General Studies

ELIGIBILITY :

A candidate seeking admission in **BCA** course must satisfy following condition.

1. He / She must be an Intermediate / +2 level in Arts, Science and Commerce as a regular student or as a student of distance education.
2. He / She must have obtained at least 45% marks overall at Intermediate / +2 level. The students from SC/ST/EBC/Differently Abled categories should have 40% marks overall.

ADMISSION :

1. Admission will be taken in the month of July in each Academic Year.
2. The University reserves the right to cancel the admission of any student at any stage of his study at the university on grounds of unsatisfactory academic performance, irregular and insufficient attendance, or indiscipline. A minimum of 75% of attendance is mandatory in each semester for appearing in semester-end examination.
3. At the time of admission, the student is required to provide the following document in original:
 - a. Matric/ICSE/CBSE/NIOS/Other Board Certificate
 - b. Pass Certificate of the qualifying examination – Plus 2 or Intermediate.
 - c. Marks Sheet of qualifying examination - Plus 2 or Intermediate.
 - d. College/School Leaving Certificate (CLC/SLC).
 - e. Character Certificated of Plus 2/Intermediate issued by College/School.
 - f. Migration Certificate (Not necessary for those from Bihar Board).
 - g. Cast Certificate (from DM or competent authority for SC/ST/OBC/EBC/Differently abled).

REGISTRATION :

All students must register themselves at the University within the fixed date notified by the University in the first semester itself.

DURATION OF PROGRAMME :

1. An academic year is divided into two semesters. In each semester, course are offered in 15 teaching weeks and the remaining 5 weeks are to be utilized for conduct of examination and evaluation purpose. Each week has at least 30 working hours spread over 6 days a week.
2. A candidate admitted to the B.C.A. Programme shall undergo a regular course of study for three Academic Years, that is, Six Semesters. Semester-I shall be from July to December and Semester-II shall be from January to May. There shall be not less than 90 working days which shall comprise not less than 450 teaching/working hours for each semester. (Exclusive of the days for the conduct of University or external end-semester examinations).

COURSE STRUCTURE:

1. All Subjects have Lecture-Tutorial-Practical (L-T-P) Components to indicate the contact hours and will have a credit count. Teaching of subjects will be reckoned in terms of credit.
2. Every paper, identified by a single course identifier, shall be taught by an assigned teacher who may be assisted by adjunct faculty, teaching assistant, and by other members of the faculty concerned.
3. The curriculum for B.C.A course will include a “Project Works/Student Internship Programme (SIP)” of 04 weeks duration after the fifth semester. The experience may be obtained in any reputed company/organization belonging to any industry, or any organization of comparable repute. The place of work has to get prior approval of the Department of the college. On completion of the project, the student shall submit a report to the department, which will earn a total of 12 credits after evaluation and viva-voce examination. If there is a serious difficulty in finding placements for project work, writing a Term Paper with empirical data can be considered under a competent faculty. This will be at the discretion of the College Authority.

EXAMINATION :

1. There shall be examinations at the end of each semester as per the academic calendar of the University.
2. A candidate who does not pass the examination in any paper(s) shall be permitted to appear in such failed paper(s) in the subsequent examinations to be held in December/January or May/June. Those who fail in odd-semesters will appear in subsequent examinations of odd-semesters only. For example, if a student fails in a paper(s) in the first semester, she/he can appear in 3rd or 5th semester examinations only. The same applies to even semesters. After the declaration of the result of the sixth semester examinations, special examinations will be conducted for clearing the backlog of 5th and 6th semesters.
3. A candidate should get the enrolled/registered for the first semester examination. If enrolment/registration is not possible in the preceding semesters owing to shortage of attendance beyond condonation limit/regulations prescribed OR on medical grounds, the candidates are not permitted to move to the next semester. Such candidates shall redo the semester in the following academic year as a regular student.
4. Student must have 75% of attendance in each paper for appearing in the semester examination. A shortage of attendance up to 10% can be condoned by the Principal as per his/her discretion and beyond that by the Vice-Chancellor as per the University rules.

PASSING OF EXAMINATIONS AND PROMOTION RULES :

A student will be promoted from second semester to the third semester and from fourth semester to the fifth semester, if she/he has secured a minimum CGPA of 5.

EVALUATION :

1. Pattern of evaluation of the End-Semester examinations will be as per the rules of the University.

2. The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade points. Evaluation for each course shall be done by a continuous internal assessment (CIA) by the course teacher concerned as well as by an end semester examination and will be consolidated at the end of the course. The ratio of marks to be allotted to continuous internal assessment and to end semester examination is 40:60. The evaluation of practical work, wherever applicable, will also be based on continuous internal assessment and on an end-semester practical examination.
3. The details of the Continuous Internal assessment (CIA) should be worked out by the college and a copy should be given to the University. All the relevant records of the CIA should be preserved by the College till the student passes out.
4. The passing minimum for CIA (Continuous internal Assessment) shall be 40% out of 40 marks (i.e. 16 marks). Failed candidates in the Internal Assessment permitted to improve their Internal Assessment marks by writing a re-test or by submitting assignments as per the decision of the college authority.

AWARDING DEGREE:

Degree will be awarded to a students, she/he fulfils the following conditions;

1. A student passes in all examinations and thus earns the required number of credits.
2. She/he completes the requirement of spending 30 hours during the period of three years in involving herself/himself in social work in order to raise the social consciousness of the students and make a small contribution to society. This could be in a Village/NGO/Charitable Institutions or NSS or Adult Literacy Programme, etc. A declaration letter from the College regarding the completion of required number of hours to the University is a must.

How to Apply :

Application form and prospectus can be obtained from the college on payment of Rs. 500.00 in cash. Candidate selected for admission shall have to submit the following documents in original along with two photo copies and prescribed fee.

- College / School leaving certificate issued from the college / School last attended.
- Matriculation / Secondary School Certificate.
- Marks Sheet of Qualifying Examination.
- Migration Certificate issued by concerned Board / University (If Applicable)
- Character certificate from the head of the institution last attended.
- Registration Card issued by concerned Board / University
- Cast Certificate issued from the BDO / SDM / DM.
- Photocopy of Aadhar Card.
- 2 Passport size color photo of selected candidates.

FEE STRUCTURE :

For BCA Session 2025-2028

Sl. No.	Particular	First Year (Rs.)	Second Year (Rs.)	Third Year (Rs.)	Total (Rs.)
1	Registration Fee	5,000			5,000
2	Admission Fee	20,000			20,000
3	Tuition Fee	30,000	30,000	30,000	90,000
4	Laboratory Charges	10,000	5,000	5,000	20,000
5	Examination Fee	10,000	10,000	10,000	30,000
6.	Development Charges	10,000	5,000	5,000	20,000
7.	Miscellaneous & Project Charges	5,000	3,000	2,000	10,000
8.	Total (Per Year)	90,000	53,000	52,000	1,95,000

❖ Hostel Fee Rs. 6,000 per month including lodging & fooding.

NOTE:

- ❖ Hostel accommodation is optional and subject to availability.
- ❖ Fees once paid are not refundable.
- ❖ Examination and project fees vary as per university guideline.

❖ Dress Code:

For Boys – Blue Pant, White Shirt, Black Shoes, Maroon colour Blazer.

For Girls – Blue Salwar, White Suit, Black Shoes, Maroon colour Blazer.

COURSE SYLLABUS

Syllabus For BCA Course

Year - 1									
Semester -I									
Theory		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	MSE	ESE	Sub-Total		
BCA 101	Communicative English	3	1	0	40	60	100	4	3
BCA 102	Basic Mathematics	4	1	0	40	60	100	5	5
BCA 103	Information Technology & Application	4	0	0	40	60	100	4	4
BCA 104	Principles of Management & Organization	4	1	0	40	60	100	5	5
BCA 105	Python Programming (Elective – 1)	4	0	0	40	60	100	4	4
BCA 106	Problem Solving & Programming Concept (Elective – 2)	4	0	0	40	60	100	4	4
Sessional									
		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	CPA	ESE	Sub-Total		
BCA 107	LAB 103	0	0	3	20	30	50	2	3
BCA 108	LAB 105	0	0	3	20	30	50	2	3
BCA 109	LAB 106	0	0	3	20	30	50	2	3
Total							600	26	29

Semester -II									
Theory		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	MSE	ESE	Sub-Total		
BCA 201	Business English	3	1	0	40	60	100	4	3
BCA 202	Mathematics (Numerical Techniques)	4	1	0	40	60	100	5	5
BCA 203	System Analysis & Design	4	1	0	40	60	100	5	5
BCA 204	Problem Solving Techniques & Programming in C	4	0	0	40	60	100	4	4
BCA 205	Operating System & Unix	4	0	0	40	60	100	4	4
Sessional									
		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	CPA	ESE	Sub-Total		
BCA 206	LAB 204	0	0	3	20	30	50	2	3
BCA 207	LAB 205	0	0	3	20	30	50	2	3
Total							600	26	29

Year - 2									
Semester -III									
Theory		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	MSE	ESE	Sub-Total		
BCA 301	Objected Oriented Programming Using C++	4	0	0	40	60	100	4	4
BCA 302	Internet & Web Designing	4	1	0	40	60	100	5	5
BCA 303	JAVA Programming	4	0	0	40	60	100	4	4
BCA 304	Software Engineering	4	0	0	40	60	100	5	5
Sessional									
		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	CPA	ESE	Sub-Total		
BCA 305	LAB 301	0	0	4	40	60	100	3	4
BCA 306	LAB 303	0	0	4	40	60	100	3	4
Total							600	24	26

Semester -IV									
Theory		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	MSE	ESE	Sub-Total		
BCA 401	Relational Data Base Management System	5	0	0	40	60	100	5	5
BCA 402	Digital Electronics, Computer system Architecture & Organization	4	1	0	40	60	100	5	5
BCA 403	File & Data Structure	4	0	0	40	60	100	4	4
BCA 404	Introduction to Statistics	3	1	0	40	60	100	4	4
Sessional									
		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	CPA	ESE	Sub-Total		
BCA 405	LAB 401	0	0	4	40	60	100	3	4
BCA 406	LAB 403	0	0	4	40	60	100	3	4
Total							600	24	26

Year - 3									
Semester -V									
Theory		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	MSE	ESE	Sub-Total		
BCA 501	Window Programming Using VB.Net	4	0	0	40	60	100	4	4
BCA 502	Graphics & Multimedia	4	0	0	40	60	100	4	4
BCA 503	Computer Network, Data Communication & Client Server Technology	4	1	0	40	60	100	5	5
BCA 504	Business Accounting & ERP	3	1	0	40	60	100	4	4
Sessional									
		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	CPA	ESE	Sub-Total		
BCA 505	LAB 501	0	0	4	40	60	100	3	4
BCA 506	LAB 502	0	0	4	40	60	100	3	4
Total							600	23	25

Semester -VI									
Theory		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	MSE	ESE	Sub-Total		
BCA 601A	Web Technology (Elective – 1)	5	0	0	40	60	100	5	5
BCA 601B	Concept of Data Mining & Data Warehousing (Elective – 2)	5	0	0	40	60	100	5	5
BCA 602	E-Commerce	4	1	0	40	60	100	5	5
BCA 603	Project & Viva	N/A	N/A	N/A	200	0	300	12	N/A
Either Elective -1 or Elective – 2 can be opted									
Sessional									
		Period			Evaluation Scheme			Credit	Hours
Code	Name of the Paper	Lectures	Tutorials	Practicals	CPA	ESE	Sub-Total		
BCA 604	LAB 601A	0	0	3	40	60	100	2	3
BCA 605	LAB 601B	0	0	3	40	60	100	2	3
Total							600	24	13

Grand Total:
CREDITS: 147
Marks: 3600



रोजगारपरक शिक्षा है समय की जरूरत : प्रो निरंजन

बेगूसराय. रोजगारपरक शिक्षा समय की जरूरत है. बच्चों का रुझान भी इस ओर बढ़ रहा है. सरकार भी ऐसे कोर्स पर फोकस कर रही है. जिसकी पढ़ाई के बाद वे आर्थिक रूप से आत्मनिर्भर हो सकें. ये बातें आर्यभट्ट ज्ञान विश्वविद्यालय, पटना के कुलसचिव प्रो डॉ निरंजन प्रसाद यादव ने तिलरथ में एक इंस्टीट्यूट के उद्घाटन मौके पर कहीं. उन्होंने बताया कि यह इंस्टीट्यूट आर्यभट्ट ज्ञान विश्वविद्यालय पटना से संबद्ध है और एआइसीटीई से मान्यता प्राप्त है. इससे पहले प्रो. निरंजन यादव, दरभंगा स्नातक निर्वचन क्षेत्र के विधान पार्षद सर्वेश कुमार, जवाहर लाल नेहरू कॉलेज डेहरी ऑन सोन, रोहतास के प्राचार्य डॉ. शैलेन्द्र कुमार ओझा और ट्रस्ट की संस्थापक सोहागो देवी ने संयुक्त रूप से इंस्टीट्यूट का उद्घाटन किया. दरभंगा स्नातक क्षेत्र के विधान पार्षद सर्वेश कुमार ने कहा कि जितनी



उद्घाटन करते अतिथि.

भी शिक्षण संस्थाएं बन सकती हैं, सरकार और समाज को बनानी चाहिए. क्योंकि यह निर्विवाद है कि पढ़ना तो है, पढ़ाना तो है ही. चाहे वह अकादमिक हो या वोकेशनल. ग्रामीण परिवेश में बीसीए और बीबीए की पढ़ाई शुरू हो रही है, यह अच्छी बात है. इंस्टीट्यूट के मैनेजिंग डायरेक्टर प्रो. (डॉ.) रामनरेश पंडित रमण, डायरेक्टर इंजी. अभिनव आनंद और ट्रस्ट की अध्यक्ष चेतना ने अतिथियों का सम्मान अंगवस्त्र, बुके, पौधा और स्मृति चिह्न देकर किया.



दिनांक 20 अक्टूबर 2025 को जिजीविषा एजुकेशनल इन्स्टीट्यूशन के उद्घाटन समारोह की तस्वीरें



दिनांक 20 अक्टूबर 2025 को जिजीविषा एजुकेशनल इंस्टीट्यूशन के उद्घाटन समारोह की तस्वीरें