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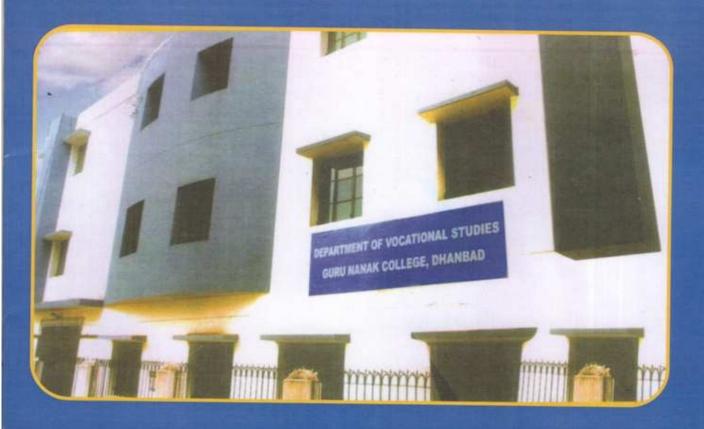


GURU NANAK COLLEGE

DHANBAD

(Established & Managed by Gurudwara Prabandhak Committee, Dhanbad)
Phone: 2300994 (Off)
www.gncollege.org

NAAC ACCREDITATED 'B' GRADE



Admission Form / Prospectus for Admission to Three Year Degree Course in BCA

(Affiliated to Binod Bihari Mahto Kolyanchal University, Dhanbad)

Grant unto me this boon, O Lord, that
May I never be deterred from doing good deeds,
May I have no fear of the enemy when I go
to battle, and be victorious certainly
May I be the follower whose desire,
In my mind there is but one desire,
Is to keep ever singing Thy glory
And, when the time comes, I may
die fighting in the field of action.

Sri Guru Govind Singh Ji



081

A College is an Institution where impressionable minds are moulded in such a way as they become assets both for themselves as well as for the Society.

About the College

Guru Nanak College, Dhanbad (A Sikh Minority Degree College) was established by the Gurudwara Prabandhak Committee in 1970 to nark the Fifth Birth Centenary of the great Guru after whom this college is named. The college is managed by a Governing Council nominated by the Gurudwara Prabandhak Committee, Dhanbad and draws the inspiration from the teachings of the faith propounded by Guru Nanak Devji.

The College has got permanent affiliation with the Binod Bihari Mahto Kolyanchal University, Dhanbad in the faculties of Arts and Commerce upto Degree Level. The college aims at catering to the academic needs of the students of Dhanbad, particularly those belonging to economically backward families of the surrounding area. Also, it aims at developing the personality of the individuals, and at grooming them into worthy citizens of tomorrow with an in-depth faith in oneness of God and Universal Brother-hood of man.

The College also aims at providing such training and tools to the students, by way of introducing vocational courses as may help them win their bread easily. Introduction of BCA Course is a step in that direction.

Location & Infrastructure

The college has got a separate building constructed "Department of Vocational Studies" adjacent to Women's wing Campus at Bank More. The newly constructed building is spaciously designed o accommodate students of vocational course - BCA. Two air conditioned computer labs of 35 thirty five systems each with latest configuration have been developed at the ground floor and 2 floor of the building, the labs are equipped with network and internet facilities.

Eligibility Criteria for Admission BCA

Students must have secured a minimum of 45% marks in the qualifying examination, i.e., I.A./I.Sc./I.Com. / 10+2 examination from any recognized Institution/ Board, with Mathematics as a subject

Prospectus & Application Form

Prospectus / application forms may be obtained from the office on all working days w.e.f.

Monday 11th June 2018 to Monday 9th July 2018 between 10:30 AM to 3:00 PM on payment of Rs. 400/- by cash or Demand draft issued by any Nationalized/Scheduled Bank in favour of "GNC Vocational Studies Fund" Payable at Dhanbad

Note: Duly filled up application form must reach the office on or before Monday 9th of July 2018 till 3:00 PM.

Incomplete and late Application forms furnishing false information will be summarily rejected without any information to the candidate concerned. In this connection no correspondence will be entertained.

Note: The College management reserves the right to reschedule the programme of admission etc. if needed, and may refuse admission to any candidate unsuitable for valid reasons

About Course and Abstract of BCA

The CBCS system has the potential of providing a choice of a wide spectrum of subjects/branches of subjects to students in pursuit of achieving their cherished goals. This

system has been globally accepted and now has become the need of the day.

The University Department of Computer Applications proposes the following courses. The system may be modified / improved in future according to the requirements.

CORE Papers for BCA

Semester - I

Paper Code	i into		Marks 100	
BCA F1001				
BCA F1002	Basic Mathematics I	5	100	
BCA F1003	The state of the s		100	
BCA C1004	004 Introduction to Computer Software		100	
BCA C1005	Problem Solving and Programming in C	5	100	
	Sessional			
BCA P1006	Computer Basics and PC Software Lab	1	50	
BCA P1007	C Programming Lab	1	50	

Semester - II

Paper Code	A Top (I in Section)		Marks 100	
BCA F2001				
BCA F2002	EVS	4	100	
BCA C2003			100	
BCA C2004	CA C2004 Object Oriented Programming using C++		100	
BCA C2005	Logic Design	5	100	
	Sessional			
BCA P2006	C++ Programming Lab	1	50	
BCA P2007	Database Management System Lab	1	50	

Semester - III

Paper Code	1110			
BCA C3001	Data Structure using C	5	100	
BCA C3002	Java Programming	5	100	
BCA C3003			100	
BCA C3004			100	
BCA C3005	Probability and Statistics	4	100	
	Sessional			
BCA P3006	Data and File Structure Lab	1	50	
BCA P3007	A P3007 Java Programming Lab 1		50	

Semester - IV

Paper Code			Marks	
BCA C4001			100	
BCA C4002	Operating System Concept and Network Management	5	100	
BCA C4003	Software Engineering	4	100	
BCA C4004	Visual Programming	5	100	
BCA C4005	Data Communication and Computer Network	5	100	
	Sessional			
BCA P4006	Operating System Concept and Network Management Lab	1	50	
BCA P4007	Visual Programming Lab	1	50	

Semester - V

Paper Code	1110		Marks	
BCA C5001	Internet Concept and Web Design	4	100	
BCA C5002			100	
BCA C5003			100	
BCA C5004	Computer Oriented Numerical Methods	5	100	
	Elective - I	4	100	
	Sessional			
BCA P5005	Internet Concept Web Design Lab	1	50	
BCA P5006	Numerical Method Lab	1	50	

Semester - VI

Paper Code	Title	Credit	Marks	
BCA C6001	Optimization Technique	5	100	
BCA C6002	Principle of Management	4	100	
BCA C6003	Accounting and Financial Management	5	100	
BCA C6004	Computer Network Security	4	100	
	Elective - II	5	100	
	Sessional			
BCA P6005	Project	2	100	

Elective - I

Elective - II

BCAE5007- E- Commerce

BCAE6006- Management Information System

BCAE5008-Software Testing

BCAE6007-Artificial Intelligence

BCAE5009 - Soft Computing

BCAE6007 - Bio- Informatics

Supportive Courses

Supportive courses for choice of student from other disciplines. The following courses will be taught to students of Department of Computer Applications as well as of other discipline depending of their choice (any one) which will be limited to maximum of 40 students These courses will be offered during the fourth semester of the master program. A student will be allowed to opt for one course only the credit of which will be 5. This will not be included in the calculation of CGPA.

1. Windows

2. M.S. Office

3. Tally

3. Phooshop

5. Interment concept

The Cumulative Grade Point Average (CGPA) will be calculated on the 10 point grading scale as follows:

Grade Point	Parentage of Marks	Grade Symbol (Letter)
10	91 - 100	O (Outstanding)
09	81 - 90	A+ (excellent)
08	71 - 80	A (Very Good)
07	61 - 70	B+ (Good)
06	51 - 60	B (Above Average)
05	41 - 50	C (Average)
04	33 - 40	P (Pass)
00	Below 33	F (Fail or Absent)

A. For each Semester:

Semester Grade Point Average (SGPA)
$$S(j) = \frac{\sum_{i} C(i).G(i)}{\sum_{i} C(i)}$$
 (I)

Where C (i) denotes the total credits of the ith course. G(I) denotes the grade point earned by a student in ithcourse and j indicates the semester.

B. For full course

Cumulative Grade Point Average CGPA=
$$\frac{\sum_{j} C(j).S(j)}{\sum_{j} C(j)}$$
 (ii)

Where C(j) denotes the total credits of the jth semester. S(j) denotes the SGPA of the jth semester.

Admission Procedure

Admission will be taken strictly on the basis of the performance of the candidate at the entrance test to be conducted by the College on Thursday 12th July 2018, 11:00 am. Entrance test will be of 90 minutes' duration and will comprise of multiple choice / objective type questions.

Results of Entrance Test

The merit list of selected candidates will be made available on the college notice board on Saturday 14th July, 2018 as also on the college website www.gncollege.org
Selected candidates will be required to get admitted within the stipulated period of time failing which the seat would be offered the next candidate from waiting list.

Number of Seats

Total number of seats in Vocational Course i.e. BCA is 60 (Sixty).

Fee Structure

1.	For BCA Honours Course	Rs. 30,000/- per year
	College Annual Fee	Rs. 751/-
	Total	Rs 30751/-

In Addition, Students will be required to pay for their on the Job Training etc. by way of fee, which will be apart from the college fees.

Note: Fee once paid will not be returned under any circumstances.

The following documents are required to be submitted along with the application form:

1.	Recent Passport	Size Co	loured	Photograph	3 Copies
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Self-attested photocopy of
 Marks Sheet (I.A./I.Com./I.Sc./+2)
 1 Copy

Syllabus of Entrance Test For BCA

Mathematics (40 marks) for Students of all streams I.A./ I.Com./ I.Sc. &+2 Algebra:

AP, GP, HP, Theory of quadratic equation, Permutation and combination, Binomial Theorem.

Trigonometry:

General values of trigonometrical functions, Inverse, Circular functions, Logarithms.

Calculus:

Limits of function. Differentiation of function, implicit functions, Integration by the method of substitution, method of transformation and method of integration by parts definite integration, dy/dx as rate measure.

Co-ordinate

Geometry-Equation of Straight line.

Matrices

Addition, Subtraction and multiplication of matrices.

Vector Analysis

Addition of vectors, product of two vectors, and statics-Resultant of two forces at a point inclined at an angle, triangle of forces, converse of triangle of forces Lamias theorem, Dynamics Projectiles.

- 2. Basic Computer (40 marks)
- General Studies (20marks) for Students passing I.A./I.Com. +2
 General Science & General Studied of Matric level of (20 marks)

The following documents are required to be submitted at the time of Admission:

- 1. Recent passport size coloured photograph: Two Copies.
- Attested photocopy of the matriculation certificate showing the candidate's date of birth :One Copy
- Attested photocopy of Marks Sheet of I.A/I.Com./I.Sc.
- 4. Attested photocopy of Admit Card of I.A/ I.Com./I.Sc.
- 5. Original School Leaving Certificate / College Leaving Certificate.
- 6. Migration Certificate in original (if applicable).
- 7. Self Attested copy of Aadhar Card.

Important Dates

Computer Application

- · Sale of Prospectus & Application Form:
 - Monday 11th June 2018 to Monday 9th July 2018 (On all working days)
- Last Date of Submission of Application Form: Monday 9th July 2018, Latest by 3:00 P.M.
- Date and Time of Entrance Test: Thursday 12th July 2018, 11:00 AM
- Result of Entrance Test : Saturday 14th July 2018, 11:00 AM
- Date of Admission : Monday 16th July 2018, to Saturday 21st July 2018
- Induction Meeting : Friday 27th July 2018
- Commencement of Class From : Monday 30th July 2018

Campus Placement

The placement and career counselling cell has been set up in the college which liaisons with various organizations/ companies with respect to placement of students. The primary objective of the cell is to provide the much needed skills and help them find job placements. Also various companies approach the department from time to time for recruitment of students and conduct campus interviews for the same. A good number of students were recruited through campus selection by companies. like concentrix, ICICI Pru, Wipro.

Career Counselling

To keep pace with the present tough competition, the college takes several measures like organizing seminars, mock interviews, soft skills, communicative skills and personality development classes for the students with the objective to counsel and help them choose lucrative and appropriate career which suits their personalities.

Spoken Tutorial Project, IIT Bombay

Funded by National Mission on education through Information and Communication Technology (NMEICT) of Ministry of Human resource development, Govt. of India, the spoken tutorial project aims at teaching various soft skills to students under free and open source software (FOSS).

The college has been declared as the first FOSS Center for "The Spoken Tutorial Programme" a programme sponsored by MHRD, & IIT Bombay being the Nodal Centre on, 20.09.2016

The College is successfully running this project for the past 3 years and more than 350 students have successfully completed their course and have received Certificates from IIT Bombay, NMEICT, MHRD.

Activities

As education goes much beyond the course work. The department interacts not only with students but even with their parents to apprise them about the functioning of the department and about activities such as:

- Parent Teacher Meet
- Induction and orientation
- Co-curricular activities
- Guest Lectures

- Seminars
- Workshops
- Rotaract Club
- + NCC
- NSS

Anti Ragging Cell: Anti Ragging Regulations

We draw kind attention of students and their parents / Guardians to the ruling of the Honourable Supreme Court of India and regulations of the UGC about strict action on Acts of ragging in educational institutions. Both the Parents and the Candidate are advised to go through the regulations and guidelines at the link: https://antiragging.in and bring with you an undertaking as per format: 1 signed by students and another undertaking as per format: 2 signed by parents. This may kindly be treated as most urgent

Code of Conduct

The college attaches great importance to discipline as it ensures growth & development of students. The college closely monitors the conduct/behaviour/ of students. Following rules must be obeyed strictly by the students in letter & spirit.

- To maintain the homogeneity, students must adhere by the dress code of the department.
- Students shall always carry their ID card issued by the college.
- Students should come to college in time and must not leave the campus before scheduled time.
- A Student shall be allowed to appear in the examination only if he/she has minimum 75% attendance.

नृत्य-गीत के साथ हुआ नए विद्यार्थियों का स्वागत

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सीबीसीएस के लिए वरदान बनेगा कोर्स



परदस दाचर माट म दा जानकारा

श्चनकार. नुरुनानक कॉल्डेंज, बैक मोड़ में रविधान की बोसीए के सेमेस्टर एक के स्टूडेंट्स के लिए बैरेंट्स टीचर मीटिंग हुई इसमें अभियासकों को बच्चों का इंट्रॉक्स एसेसमेंट, उनकी उपस्थिति बतायी गयी. साथ ही एक-एक प्येडबैक फॉर्से भरावा गया. अभिभावकों को कोसे संबंधी सभी एक्टिविटी की आनकारी क्षेत्रियों, सीके पर प्रे. शंजव कुमार, वो अमरजीत मिंग, प्रो पुण्या रिष्यारी, प्रो स्मेल कुमार संग्री, वो उदब कुमार शिजर, वो अमरदीप गोर्था, यो मनोज कुमार

भीएन कॉलेज : डिजिस्टल इंडिया बीक में फारट प्रजेटेशन

कॉलेजों में शुरू होगा स्पोकेन द्यूटोरियल



वर्षकार्यय

सेमिनार भी पढाई का माध्यमः पी शेखर

हारबाद | वरीन संबाददाता

राजस्य वर्तनेत्र प्रकार केंद्र नंतर किया में गोनेपालन पटारी विपार्टनेट में W Bright Self-key Se Street Personal district on serima field एका प्रत्याने था, ये शेखन ने बसरे व तिकाली को अंबोरिका करते हुए कराति। रेडियावर और पड़ाडी कर एका महत्त्वम है।

नियान संभित्तर का अलोजन New years welch finner in severe name a Review or way to a strong great of the रवापत पारण देते हुए विश्वत को जानकारी ये। कंप्यूटर विश्वास के विश्वासी ने पाचर स्थादन प्रमेटियान के मानतम से न्यनकारी थें। इस मीचे पर प्रीकेश्वर



ईवार्च प्रे. वी बोध, प्रे. प्रनेशप प्रवाद, प्रवादानं, राज्यपुनार विश् शे. बोध मालकार्य, कुमा डिम्मा, रोमा - मोर्स्स व्येत, सन्त चीन्द्र वे।

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जीएन कॉलेज में टीचर्स-पैरेंट्स मीट का आयोजन



क्षमाद | गुरुवानक कॉलेज में टीवधार को बीबीए सेमेस्टर वन के साती के अभिभावकों के साथ शिक्षकों का सम्मेलन हुआ। मौके पर संकाप के छात्र व आभिभावकों से पीडियेक फार्म भरकाए गए। इंटरभव मरीधा **धनवार**। गुरुगनक वृत्तिव वैक मेह - ऑप्याकों ने इंटरनव टेस्ट की करि में झातों के प्रदर्शन से अधिभायकों को अयगत कराया गया। योलेज में कैपस में ग्रेंचवर को बीसीए डिवर्टमेंट अधिभावकों को दिखाकर उनक हारोहें की उपस्थित, क्रियाकरनाय सहित अन्य गतिविधियों की जानकारी में टीबर-पेंट्स मीट का हुआ। चौडबैक लिया करान में उपस्थित, अभिभावको को दी गई। कार्यक्रम में कोसं को-ऑर्डिनेटर वॉ संजय विभागानाव हो. संजय प्रसाद ने वाले को गतिविधयों से लेकर अन प्रस्ताद, पुष्पा तिथारी, उदय कुमार सिनार, रमेश शर्मा, अमरजीत सिंह, श्रीवणाकों को प्रत्येक ग्राप्त के जनकरिया दे गई। कॉलेज प्रयंधन के मनोज, अमरदीप गोराई च अन्य शिक्षक मीजुद थे।

क्षेत्रीय विकार ने अधिकावची और नावे राज के एएड-एएजाओं का रखनार किया

अधिभावकों से बातचीत की। प्रयासकी सगहन की खं।

सास्कृतिक कार्यक्रम में जलवा



नारायम के प्राप्त शकत

डिजिटल इंडिया विकास में उत्पेरक सांस्कृतिक कार्यक्रम से दिया प्रतिभा का परिचय



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MEMBERS OF THE COLLEGE GOVERNING COUNCIL

(2018)

Patron: Sardar Joginder Singh Johal

1. Sardar Rajinder Singh Chahal - President

2. Sardar Palwinder Singh - Vice President

3. Sardar Diljaun Singh Grewal - Secretary

4. Sardar Jagjit Singh Sandhu - President, G.P.C.

5. Sardar Tejpal Singh - Gen. Secretary, G.P.C.

6. Sardar Tirath Singh - Member

7. Sardar Harpal Singh Cheema - Member

8. Prof. P. Shekhar - Principal

9. Dr. Sanjay Prasad - Teacher's Representative









GURU NANAK COLLEGE

DEPARTMENT OF VOCATIONAL STUDIES

BANK MORE, DHANBAD, JHARKHAND Tel.: 0326-2300994 (O)