



**AY: 2020-21,
2021-22,
2022-23**

Academic Audit Report

Jawaharlal Nehru College Boko



1. Members:

- a. **Prof Jogen Ch Kalita**, Professor and Head, Dept. of Zoology, Gauhati University
- b. **Prof Bhaben Tanti**, Professor and Head, Dept. of Botany & Director of IQAC, Gauhati University
- c. **Prof Utpal Sarma**, Professor and Head, Dept. of Instrumentation and USIC & Former Director of IQAC, Gauhati University

2. Visit Schedule:

| | Time | Agenda | Venue |
|---|----------|---|--|
| Prof Jogen Ch Kalita | 10.00 am | Academic & Administrative Audit for the Session 2021-22 | Seminar Hall Department of Mathematics, J.N College, Boko |
| Prof Bhaben Tanti | 10.00 am | Academic & Administrative Audit for the Session 2021-22 | KKHSOU Study Centre Seminar Hall, J.N College, Boko |
| Prof Utpal Sarma | 10.00 am | Academic & Administrative Audit for the Session 2021-22 | Video conference Hall, Science Building, J.N College, Boko |
| DEPARTMENTAL INTERACTION & HoD'S PRESENTATION | | | |
| HOD, Anthropology | 10.30 am | Departmental Presentation | KKHSOU Study Centre Seminar Hall, J.N College, Boko |
| HOD, Assamese | 11.00 am | Departmental Presentation | KKHSOU Study Centre Seminar Hall, J.N College, Boko |
| HOD, Bodo | 10.30 am | Departmental Presentation | Seminar Hall Department of Mathematics, J.N College, Boko |
| HOD, Botany | 10.30 am | Departmental Presentation | Video conference Hall, Science Building, J.N College, Boko |
| HOD, Chemistry | 11.30 am | Departmental Presentation | KKHSOU Study Centre Seminar Hall, J.N College, Boko |
| HOD, Economics | 11.00 am | Departmental Presentation | Seminar Hall Department of Mathematics, J.N College, Boko |
| HOD, Education | 12.00 pm | Departmental Presentation | Seminar Hall Department of Mathematics, J.N College, Boko |
| HOD, English | 12.00 am | Departmental Presentation | KKHSOU Study Centre Seminar Hall, J.N College, Boko |

| | | | |
|------------------------|----------|---------------------------|--|
| HOD, Geography | 11.00 am | Departmental Presentation | Video conference Hall, Science Building, J.N College, Boko |
| HOD, History | 11.30 am | Departmental Presentation | Video conference Hall, Science Building, J.N College, Boko |
| HOD,Mathematics | 12.00 am | Departmental Presentation | Seminar Hall Department of Mathematics, J.N College, Boko |
| HOD, Physics | 11.30 am | Departmental Presentation | Video conference Hall, Science Building, J.N College, Boko |
| HOD, Political science | 12.30 pm | Departmental Presentation | Seminar Hall Department of Mathematics, J.N College, Boko |
| HOD, Zoology | 12.30 pm | Departmental Presentation | KKHSOU Study Centre Seminar Hall, J.N College, Boko |

3. Profile the College

a. Introduction

Jawaharlal Nehru College is situated at Boko, the remote part of south Kamrup, Assam adjoining the National Highway No 37 and at a distance approximately 65 km from Guwahati. The college was established on 3rd August 1964 and the college received first degree affiliation in the year 1967 from the Gauhati University. The Arts Stream received the Deficit Grants in Aids on 1st September 1969. The College was provincialized from 1st December, 2005. The Science stream was started in the year 1986 and had received Deficit Grants in Aid on 25th March, 1998. The college has been registered under 2(f) and 12 (B) of the UGC Act 1956 in 26th September, 1969. At present the college has grown up into a full-fledged well-known institution with academic excellence and co-curricular activities, particularly in the field of games and sports, culture, literature and social activities, completing its glorious fifty years of existence in the year 2014. To identify its strengths and weaknesses the college has got itself accredited by the NAAC in the year 2004 and again in 2014 and obtained Grade 'C++' and 'B' respectively. In 2019 after receiving the prestigious Star Status from the DBT, Govt. of India, the college has set a benchmark and became the first college of Assam to receive Star Status 19th September, 2019 from the Department of Biotechnology Govt. of India. The College have

been following 3 years degree Course semester System since 2011 and CBCS system has been introduced from the academic session 2019-20 as prescribed by the affiliating University. The College has a Women's Hostel in the campus adjacent to the college main play Ground with a seat capacity of 75 students making higher education possible for girl's student for remote and interior villages. It has received permission from Gauhati University to start PG programmes in Assamese and Mathematics starting from the session 2016-17 and 2017-18 respectively.

b. Present status

The institution is spread across 33 Acres with a good infrastructure supporting teaching-learning, knowledge propagation and skill development of students across Boko and beyond. The college in concurrence with Government policy offers free education. The needy students are provided college aid in the form of books, reading material, and necessary academic support for continuation of Higher Education. With growth of students, the college enhanced the facilities by providing audio-visual classroom for the department of Botany, Chemistry, Mathematics, Zoology and upgraded existing Physics laboratory. The classrooms have CCTV installed across. Classrooms with Wi-fi, fully digitized ICT facility, Video Conferencing Room with AVR for viewing Edusat Programme are other facilities provided. The college has provided a new Boy's Common Room cum Union Office and an additional Girl's Common Room with renovated toilets for boys and girls separately. Five (05) new equipment as laboratory facility are added too. There is a hostel Warden Quarter, an open stage named Dr. Bhupen Hazarika Memorial Open Stage, an outdoor stadium, a swimming pool, a Volley Ball Synthetic Court, open Playground, as well as indoor sports facilities in college. The college is continuously supporting co-curricular activities of students by providing facilities and promoting an environment for propagation of sports and games through the existing Gilbertson Sangma Outdoor Stadium (Donated by Rabha Hasong Autonomous Council), Bhogeswar Baruah Indoor Mini Stadium, Gymnasium, Prabin Kumar Choudhury Memorial Swimming Pool, Synthetic Grass Volley ball Court, and Two Open Playgrounds. The college intends to bring forth a holistic development amongst students and therefore has initiated life skill development through Yoga Centre, Cultural Unit and Dr Bhupen Hazarika Xuoroni Mukoli Mansa (Dr. Bhupen Hazarika Memorial Open Stage) for honing of different skills and showcase of students' talents by arranging Creative Adda, Debate and Discussion, Extempore Speech Practice and

Competition, Play presentation etc. The college also involves students for promotion and preservation of local culture as well as intellectual and research activities under the Cultural Unit and Dr Bhupen Hazarika Centre for Culture and Creative Studies led by department of Anthropology acting as the Nodal Department in association with Assamese, Bodo and History department. The institution is continuously arranging various activities under the aegis of these constituted bodies for support and promotion of holistic development of students in preparation for extension of quality service towards the nation.

| Infrastructure facilities of the College | | | |
|---|---------------------------------|---------------------------------|---------------------------------|
| Facilities | 2021-22 | 2020-21 | 2019-20 |
| Campus area | 100 BIGHAS (33 Acre) | 100 BIGHAS (33 Acre) | 100 BIGHAS (33 Acre) |
| Organic Farm | 1 | 1 | 0 |
| Rubber Garden | 1 | 1 | 1 |
| Botanical Garden | 1 | 1 | 1 |
| Class rooms | 38 | 38 | 34 |
| Laboratories | 22 | 22 | 19 |
| Seminar Halls | 4 | 4 | 4 |
| Classrooms with LCD facilities | 7 | 7 | 7 |
| Language Lab | 1 | 1 | 1 |
| Water Supply Plant | 1 | 1 | 0 |
| Rubber processing Unit | 1 | 1 | 0 |
| Book Stall | 1 | 1 | 1 |
| Cycle/Bike/Car Parking | 3 | 3 | 3 |
| Synthetic Volley Ball Court | 1 | 1 | 1 |
| Generator Set (35 KVA) | 2 | 2 | 2 |
| Classrooms with Wi-Fi/ LAN | Whole campus has Wi-Fi Facility | Whole campus has Wi-Fi Facility | Whole campus has Wi-Fi Facility |
| Seminar halls with ICT facilities | 2 | 2 | 2 |
| Video Conferencing Hall | 1 | 1 | 1 |

| | | | |
|--|--|--|---------------------------------|
| Renovation of Teacher's common room | 1 | 1 | 1 |
| Museum | 2 | 2 | 2 |
| New Boy'sCommon room cum union office | 1 | 1 | 0 |
| Girl's Common room | 2 | 2 | 1 |
| College canteen | 1 | 1 | 1 |
| Renovation of Boy's & Girl's Toilet | 2 | 2 | 0 |
| No. of important equipment purchased (≥ 1-0 Lakh) during the current year. | 19 | 19 | 14 |
| Value of the equipment purchased during the year (Rs.in Lakhs) | 0 | Rs 9.09 (Under DBT Star Status Scheme) | 0 |
| Hostel Warden Quarter | 1 | 1 | 1 |
| Dr. Bhupen Hazarika memorial Open Stage | 1 | 1 | 0 |
| KK Handique Study Centre (ODL) | 1 | 1 | 1 |
| Boundary Wall | Completed the Construction of Campus Boundary Wall | | |
| SPORTS | | | |
| Outdoor Stadium | 1 | 1 | 1 |
| Swimming Pool | 1 | 1 | 1 |
| Volley Ball Synthetic Court | 1 | 1 | 1 |
| Play Ground | 2 | 2 | 2 |
| Indoor Sports Facilities | Gymnasium Hall=1 | Gymnasium Hall=1 | Gymnasium Hall=1 |
| | Synthetic Badminton Court=2 | Synthetic Badminton Court=2 | Synthetic Badminton Court=2 |
| 4.3 IT Infrastructure | | | |
| Total Computers | 143 | 143 | 142 |
| Computer Labs & Digital Class Room | 7 | 7 | 5 |
| Internet | Whole campus has Wi-Fi Facility | Whole campus has Wi-Fi Facility | Whole campus has Wi-Fi Facility |
| Browsing Centres | 2 | 2 | 2 |
| Computer Centres | 2 | 2 | 2 |
| Office | 8 | 8 | 6 |
| Departments | 21 | 21 | 21 |
| Available bandwidth (MBPS) | 23 MBPS from BSNL | 10MBPS from BSNL | 10MBPS from BSNL |

| | | | |
|--------|---|---|---|
| Others | 9 | 9 | 9 |
|--------|---|---|---|

Total Campus Area in Hector (33 Acre):

| Name | Type | Area_in_Hec |
|------------------------------|------------------|--------------|
| Open Space | Open space | 0.7144567587 |
| Banana Garden | Banana Garden | 0.6907227638 |
| Open Space | Open space | 1.2963458841 |
| Rubber Garden | Rubber Garden | 2.3008571622 |
| Papaya Garden | Papaya Garden | 0.4199628900 |
| Sal Tree | Sal Tree | 0.8298168661 |
| JNC Garden | JNC Garden | 0.2904605198 |
| Playground 1 | Playground | 1.1716997456 |
| Bookstall | Built-up area | 0.0054864142 |
| Cycle and Bike stand | Built-up area | 0.0104272174 |
| Bike stand | Built-up area | 0.0484478512 |
| Aryabhatta Centre | Built-up area | 0.0078926971 |
| Playground Gallary,NCC,NSS | Built-up area | 0.0366371351 |
| Drinking water | Built-up area | 0.0047716553 |
| KKH Study Centre | Built-up area | 0.0199041470 |
| New Girl's Common Room | Built-up area | 0.0145293526 |
| Girl's Hostel | Built-up area | 0.1147051375 |
| Warden House | Built-up area | 0.0105479665 |
| guest House | Built-up area | 0.0208638468 |
| Dept of Anthro & Chemistry | Built-up area | 0.0659694677 |
| Water Supply Tank | Built-up area | 0.0026654660 |
| New Boys Common Room | Built-up area | 0.0124411291 |
| Botanical Garden | Botanical Garden | 0.2001845592 |
| Swimming Pool | Swimming Pool | 0.0744862705 |
| Swimming pool house | Built-up area | 0.0110908806 |
| Car Parking | Built-up area | 0.0276975064 |
| Jnc Canteen | Built-up area | 0.0188175785 |
| Flag | Built-up area | 0.0503347609 |
| Indoor Stadium | Built-up area | 0.0551281654 |
| Dept of Hist, Eco, Edu | Built-up area | 0.2994141016 |
| Open Space | Open space | 0.1224228167 |
| Open Space | Open space | 0.1089213152 |
| Vollybol Court | Vollybol Court | 0.0677459229 |
| Dept of english and Assamese | Built-up area | 0.0480180060 |
| Auditorium | Built-up area | 0.0341366745 |
| Administrative, Librabry | Built-up area | 0.0586903860 |
| Playgrpund 2 | Playground | 0.6316986076 |
| Science Building | Built-up area | 0.0691349531 |
| Teacher's Common Room | Built-up area | 0.0249553827 |

| | | |
|-----------------|---------------|---------------|
| Old Cycle Stand | Built-up area | 0.0158205710 |
| Open Space | Open space | 8.4159467381 |
| Total | | 18.4242572707 |

1. Academic Strength

| Name of the Dept. | UG/PG/Both UG PG | No.of teachers | No.of students | | Seat Capacity | | No. of value added/Certificate programme offered |
|-------------------|---------------------|----------------|----------------|----|---------------|----|--|
| | | | UG | PG | UG | PG | |
| Anthropology | UG | 3 | 179 | 0 | 150 | 0 | 0 |
| Assamese | UG/PG | 3 | 1302 | 25 | 460 | 30 | 0 |
| Bodo | UG | 2 | 42 | 0 | 100 | 0 | 1 |
| Botany | UG | 3 | 132 | 0 | 85 | 0 | 1 |
| Chemistry | UG | 3 | 197 | 0 | 85 | 0 | 0 |
| Economics | UG | 3 | 86 | 0 | 120 | 0 | 0 |
| Education | UG | 3 | 1165 | 0 | 200 | 0 | 1 |
| English | UG | 4 | 791 | 0 | 150 | 0 | 0 |
| Geography | UG | 3 | 208 | 0 | 100 | 0 | 0 |
| History | UG | 2 | 85 | 0 | 120 | 0 | 0 |
| Mathematics | UG/PG | 3 | 180 | 47 | 120 | 30 | 0 |
| Physics | UG | 4 | 107 | 0 | 85 | 0 | 0 |
| Political science | UG | 3 | 987 | 0 | 240 | 0 | 1 |
| Zoology | UG | 4 | 147 | 0 | 85 | 0 | 0 |

4. Methodology of the Audit:

The inputs received from the departments as per the proforma (Annexure-1) have been validated from the supporting documents, interaction with the Head of the Department and visits to the departments.

5. Observations:

a. Curricular Aspects

J.N. College is affiliated to Gauhati University. The College follows the curriculum developed by Gauhati University. For effective delivery of curriculum, most of the departments are maintaining lesson plans and course progress records. Departments follow academic calendar of Gauhati University and some departments have their own in alignment with Gauhati University's calendar. Add on/ Certificate programmes are conducted by a few departments.

Teaching Learning Aspects

Assessment of learning levels to identify slow and advanced learners are carried out through sessional examination, seminars and assignments. Though the College follows students centric learning method for effective curriculum delivery however, a detail unit wise plan for experiential and participative learning needs to be maintained for enhancing the learning experiences of the students. The College maintains mentoring system. But documentation of the mentoring system is not adequate. All the departments conduct internal examination as per requirement of the affiliating University. The College may incorporate more different modes for continuous internal evaluation. Program Outcome, Program Specific Outcomes and Course Outcomes are described in the syllabus. Evaluation the attainment of the learning outcomes to be evaluated properly.

b. Research, Innovation and Extension

The college has received DBT star College Scheme and few research infrastructures have been created. However, the overall research culture in the College needs to be strengthened. Several departments are conducting very effective extension activities. The involvement of the students in those activities should be encouraged.

c. Infrastructure

The College has adequate infrastructure facilities for all academic and other extracurricular activities. The indoor and outdoor play area are adequate. The library and IT facilities are also adequate. However, internet bandwidth needs to be increased.

d. Students support and Progression

Several Departments conduct capacity-building and skill enhancement activities for the students. The placement of the students and progression to higher education is encouraging. Students need more encouragement for participation in extra-curricular activities.

6. SWOC Analysis

Strength of the Institute:

The strength of the college may be described in terms of

(a) Physical Resources:

- (i) The institution is spread across 33 Acres with a good infrastructure supporting teaching-learning, knowledge propagation and skill development of students across Boko and beyond.
- (ii) Good and sufficient Infrastructure for teaching-learning and co- curricular activities.
- (iii) Hostel facility for women students.

(b) Human Resources:

- (i) Dynamic and dedicated faculty,
- (ii) Poor Student with immense zeal for learning.

(c) Learning Resources:

- (i) Library with sufficient books and journals,
- (ii) The College campus with Wi-fi, facilities
- (iii) Adequate Classrooms ICT facility
- (iv) Video Conferencing Room with AVR for viewing Edusat Programme are other facilities provided.
- (v) Well-equipped Advanced Level Bio-Tech Hub sponsored by DBT, Govt of India.
- (vi) Language Lab in the Department of English to develop the Communicative ability of the students.

Weakness of the institute:

- (i) Shortage of permanent faculty in the majority of the departments
- (ii) Limitation in the involvement of Alumni
- (iii) Limitation of opening Job Oriented and Skill Development courses.
- (iv) Lack of campus recruitment facilities
- (v) Lack of a sufficient number of IT-trained office staff.
- (vi) Lack of well-equipped Auditorium
- (vii) Insufficient recreation facilities for faculties.

(viii) Lack of Faculty Quarters

(ix) Lack of Boy's Hostel

Opportunities:

(i) Up-gradation of the college into an Autonomous Institute.

(ii) Opening of Commerce Stream

(iii) Introduction of more Job Oriented and Self Employable courses and other emerging subjects.

(iv) Research and extension activities in the field of local culture, natural resources and its utilization

(v) Mobilization of the existing resources of the college for self- sustainability.

(vi) To have collaboration with other Higher Institutions and Industries.

(vii) To work more on Community Development and Awareness Generation Activities.

(viii) Opening of Pisci Culture & Animal Husbandry

(ix) To open Post Graduate classes in all Departments.

(x) Desirability of more number of MOU's

Challenges:

(i) To attract students from nearby States.

(ii) To convert the Institution to excellence in academic performance.

(iii) To meet the diverse need of the student community and to make them employable.

(iv) Due to the poor economic background of the locality it is difficult to open self-financed Job Oriented courses

(v) To provide hostel facilities to all needy students, especially for male students.

(vi) Rapid change in technology and coping with the change.

(vii) Trend for Migration of students towards city-based institutions.

(viii) To be provided with un-interrupted internet connections

(ix) To start Research Activities the Development of the faculty members

with available facilities in collaboration with nearby universities and Research Institute

(x) To Provide Job Opportunities to Degree Holders.

7. Recommendations

Based on the findings members of the audit committee recommend the following for enhancing the teaching-learning ecosystem of the College:

- i. Research culture needs improvement and interdisciplinary research to be initiated
- ii. Proper documentation is required for all activities
- iii. Best practices of individual departments for various aspects need to be institutionalized.
- iv. For effective delivery of curriculum, the course file is to be assessed by IQAC
- v. Academic calendar to be prepared at the department level following the affiliating University's calendar
- vi. More students should be involved in the extension activities
- vii. More collaborations need to be established for faculty exchange, student exchange, internship etc.
- viii. More teachers should participate in FDP programmes
- ix. An alternative approach road to be explored for easy access to the college
- x. Necessary initiative to be taken to fill up the vacant faculty positions

(Dr. Tapan Dutta)
Principal

(Prof Jogen Ch Kalita)
Auditor

(Prof Bhaben Tanti)
Auditor

(Prof Utpal Sarma)
Auditor