

BIRJHORA MAHAVIDYALAYA

Provincialized Degree Science College,

(Affiliated to GAUHATI UNIVERSITY, Recognized by Govt. of Assam and

UGC& Accredited with "B" Grade by NAAC)

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Ref No: BMB/IDP/2022/741

Date:18/11/2022

From

Hemonti Bala Ray Barman

Principal in charge

Birjhora Mahavidyalaya, Bongaigaon



To

The Director

Higher Education Department,

Govt. of Assam

Subject: Submission of Institutional Development Plan (IDP)

Sir,

In response to your earlier email regarding the preparation of **Institutional Development Plan (IDP)** for the implementation of NEP-2020 in Assam, I would like to inform you that the chairperson and coordinator of the task force group our college has been prepared the Institutional Development Plan (IDP) based on the challenges & opportunity and implementation of short term and long term goal in phase manner within the college.

Therefore, I am forwarding the draft of Institutional Development Plan (IDP) prepared by our college for your kind information.

We regret for delay in submission.

Thanking you.


Yours sincerely

Hemonti Bala Ray Barman 18/11/2022
Principal (i/c)
Birjhora Mahavidyalaya
Bongaigaon

A report on
Institutional Development Plan
NEP- 2020

Prepared By-
Birjhora Mahavidyalaya
Bongaigaon: Assam

Submitted to-
Director of Higher Education
Govt. of Assam
2022


Principal (i/c)
Birjhora Mahavidyalaya
Bongaigaon

Institutional Development Plan

NEP- 2020

Present Scenario in terms of Access, Quality and Future Readiness

1. **Access:** Birjhora Mahavidyalaya, Bongaigaon is a purely Science College with major in the subjects Mathematics, Chemistry, Physics, Zoology, Botany and Statistics. The College has been accredited by NAAC (1st & 2nd cycle), process for the 3rd cycle is in progress. Medium of instruction is Assamese and English as per Gauhati University guidelines. There is flexibility in choosing courses/subjects or subject combinations. Multiple entry and exit system is yet to be implemented.

The institution plays an extremely important role in promoting education in order to create greater opportunities for individual employment, as well as, in the development of good, well-rounded, and creative individuals. Measures have been taken for online courses. The College also took steps for the introduction of Certificate Courses under the parent University. There are three study and examination centers of Distance Mode of Learning (e.g., GUIDOL, KKHSOU & IGNOU).

2. Quality:

- a. To discharge education to the students, technology is used. ICT tools are used for teaching learning process. There is access to internet in the college campus. All the departments are provided with LCD projectors, laptop and desktop. Some departments have computer laboratories. Teachers and students' attendance are also digitalized.
- b. The institution has been trying its level best to broaden students' knowledge horizon by taking various measures like organizing webinars/seminars/workshop/popular talk on topics related to science, social issues, cultural exchange, and literary events.
- c. The Central Library of the College preserves books viz. textbooks, reference books, journals, magazines, manuscripts, Britannica, etc. Internet facilities and online access to Del-net, N-List and N-Flibnet are being accommodated. Each department also possess departmental library.

d. The institution has facilities of Girl's Hostel, Girl's & Boy's Common Room. Sports facilities for students includes volley ball and basketball ground, table tennis, carom board, chess, and sports equipment for both boy's and girl's. Moreover, MoU has been signed with Bongaigaon Sports Association for indoor games and athletics.

e. The College campus is being supported by non-conventional energy (solar panel). Rain water harvesting and reusing process has been installed in the college campus. Initiative is taken to create a scientific and ethno-cultural museum in the college. Physical infrastructure of ethno-cultural museum has already been done.

f. Research culture is there in the college. The college has research promotion cell to encourage the faculty members with minor financial supports. More than 60 percent of faculty members are PhD holders and 30 percent are pursuing their Ph.D. works. Small curriculum-based projects are given to the students to develop/acustom with research culture and are always encouraged to develop and express their innovative ideas.

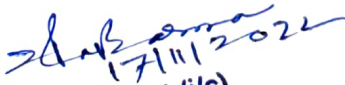
3. Future Readiness:

- a. The institution is planning to offer Honors Courses in all the core subjects. Existing departments with honors Courses will be upgraded to offer PG courses.
- b. The use of technology platforms such as, SWAYAM/ NPTEL, etc. for online classes for students as well as for the training of the teachers will be encouraged, so that standardized programs can be administered to a large number of students and teachers within a short span of time. Vocational Education and Certificate Courses will be made accessible to students in various skills including soft skills. There is possibility of offering Vocational Course through Open and Distance Learning (ODL) mode.
- c. Future planning for the establishment of a Central Laboratory and a Central Computer Centre, as well as, for enhancement of ICT equipment and complete digitalization of the Central Library and College office will be taken up.

- d. For employability of the passed-out students and the local educated youths, program through incubation Centre (under Assam Start-up, the Nest) has been initiated and will be functionalized in the near future. Vocational education will be offered in collaboration with ITI's, Polytechnics, Engineering College, local industries, etc. More MoU will be signed with different institutions in order to take up activities related to faculty and student exchange program.

Envision, transformation of the institution for next 15 years in lines of NEP-2020-Strategic Plan of Action:

- a. The College aims to be within the cluster of university. Objectives undertaken to develop the institution to a research centre, particularly in some specific areas.
- b. Planning to generate revenue from the existing resources of the college, so that, the institution will be self-sufficient in the near future.
- c. Moreover, the institution aims to take steps for all programs, courses, curriculum, and pedagogy across subjects including those in classes, online and in ODL mode to achieve global standards of quality.
- d. Collaboration with industrial organization, research institutes, and other educational institutions will be initiated in order to encourage vocational education in various fields viz. electrician, plumber, beautician, tailoring, mushroom cultivation, vermin compost, nursery, flori-culture, interior designing, etc.
- e. Steps will be taken for extension of accommodation in the girl's hostel, construction of boy's hostel and staff quarters, as well as, to establish a Yoga centre, Physical fitness club and gym. Renovation and development of the college canteen will be taken into account.
- f. The existing Bio-tech Hub is to be reactivated in order to facilitate teachers and students for further research projects. The ICT equipment will be enhanced in each and every department for curricular improvement and classroom transaction.


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The mission of the institution to identify the goals, strengths, opportunities, priorities and commitments: The college is carrying out with the institution's mission, vision and values, by producing science graduates and promoting science temperament in the area. In order to meet the required goal, necessary teaching-learning /appropriate curriculum/ student support/ continuous evaluation/mentoring/quality library and laboratory are being accomplished. The institution is committed to quality science education among the youths. Training imparted for government competitive examination for jobs to the students and local youths. The college is committed to extend services for socio-economic development of the local community. To promote eco-tourism, the institution is planning to adopt the surrounding villages. To provide requisite support to the educated youths of the locality the institution plans to introduce vocational skill-based education as well as out-reach programs for job opportunities.

Organizational gaps:

- Single stream curriculum
- Offering only B.Sc. programme
- Lack of optimal enrollment
- Unavailability of faculty in specific subjects
- Financial constraints
- Curriculum designed by the parent university limits the scope of holistic education
- Time constraints due to scholastic and non-scholastic activities.
- Limitation of infrastructure facilities
- Unavailability of required instruments and laboratory facilities
- Limited offer from public and private sector for employability

Steps in order to mitigate gaps:

- Introduce multi-stream curriculum
- PG courses to be introduced
- Govt. concurrence to the department of Computer Science & Information Technology
- Recruit more contractual teachers
- To increase the enrollment by introducing new courses

- Enhance seat capacity in the major subjects
- Achieve self-sufficiency to funds
- Making provision for extra classes
- Provide students with vocational/ skill training.

Long term & Short-term goals:

The long-term institutional goals:

- Development of the departmental laboratories and the computer laboratory.
- To establish a Vocational Training Centre.
- Promote Eco-tourism by community participation
- Equip with basic infrastructure and facilities
- Develop Playground
- Access to latest educational technology

The short-term institutional goals include:

- To introduce PG courses in some subjects
- Introduction of Certificate Courses as add on course
- Extension of accommodation in the existing Girl's hostel
- Development of infrastructure for online and in ODL mode of learning
- Collaboration with local industries, ITI, Polytechnic, Engineering Colleges, IIT, etc. for vocational education and apprentices.
- To set up incubation centres in partnership with industries.

Institutional level challenges: In the long run the institution will take steps to increase the enrollment. Sustainability of Self-Financing course to be initiated. The laboratory facilities will be upgraded against the existing curriculum. The use of technology platforms for online training of teachers and students for continuous development will be encouraged. Vocational education for the students and the local youths will be chosen based on the creation of greater opportunities for individual employment.

Handwritten signature
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The challenges to be addressed in the short term by the institution includes, training and continuous upgradation of faculty members. Research and innovative studies for progression is also to be attained. Steps to minimize the use of conventional energy and installing solar energy panels.

The institution will attain the required benchmark over time to secure the prescribed accreditation. In order to increase the number of enrollments, strategies to be finalized, like, visiting the feeding institutions, introduction of new programme, resource based vocational education etc. as well as to enhance gender balance in the admission process. In service, continuous professional development of the teachers, in order to meet the need of enriched teaching learning process for quality education. Scholarships and Book Bank facilities for meritorious students, fee waiving schemes for BPL students and financial assistance to disadvantaged students are to be implemented. To develop and support technology tools for better participation and learning outcomes. Time to time, we have to approach funding institutes like, IOCL, DST, ASTEC, DBT, TATA, bank and business houses, etc.

The institution will try its level best to be in the cluster of university. To be a leading science based educational centre in the near future, the institution will focus on research in frontier areas, greater industry academic linkages and interdisciplinary research. The college will develop specific hand holding mechanisms and competitions for promoting innovation among the student community.

In relation to the planning and development of the local community, the institute will work as an expertise in its decision making and its execution.

Plans to set up support centre for the students from socio-economically disadvantaged backgrounds. Professional academic and career counseling to be made available to all the students as well as counselors to ensure physical, psychological and emotional well-being. Traditional knowledge and practice will be encouraged for the upliftment of the local community.


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Develop mechanism to ensure transparency in governance

The college has adopted various mechanisms in different areas in order to ensure transparency in governance. Some of them are as highlighted below:

1. **Administration:** Administration of the college is trying its best to make the whole system hassle free, paperless and transparent.
 - a. Online admission process is introduced in the college 3 years back, i.e, in the year 2019
 - b. Cashless transaction has been introduced since last 5 years.
 - c. Cloud based Student Life Cycle Management, Result analysis, online feedback analysis system, attendance management and Academic Monitoring System has been introduced in the college.
 - d. Self-appraisal report for faculty members is submitting regularly to the concerned higher authority.
2. **Academic (Student admission and support):**
 - a. Applications for admission are invited and submitted through online admission portal
 - b. Merit lists are prepared and uploaded by fully computerized system following the Govt. norms for reservation categories.
 - c. Online notification/social platform notification/group messaging system for important information are introduced for students.
 - d. Online feedback/complain/suggestion system are introduced for students and alumni
3. **Planning and development:** Tenders for development works such as infrastructure development, new building construction etc. are widely circulated through college website and in the local newspapers for ensuring the transparency.
4. **Examinations & Internal Evaluation:** Online examination, MCQ test, E learning teaching, online evaluation etc. internal assessment, results etc are displayed in departmental notice board.
5. **Student's Union Body Election:** The entire election process is conducted through online mode for maintaining the transparency.

Action plan for phase-wise implementation:

Phase	Targets	Action Plant
Phase I (0-5 yrs)	Collaboration with others institutes/organization	More MoU will be done with ITI, Polytechnics, Engineering College, local industries, and with different institutions.
	Introduction of courses through online and distance mode	Different short-term courses will be offered through online and distance mode
	Accommodation enhancement in Girl's hostel	Infrastructure at the existing Girls hostel will be developed to accommodate more numbers of students
	Establishment of Yoga Centre and Physical Fitness Club	Central Recreation Center to be established including the existing multi gym through upgradation with modern equipment and facilities and Yoga Centre for faculties, staffs and students.
	Introduction of Vocational courses	Vocational Courses namely Electrician, Plumber, Beautician, Tailoring, Mushroom cultivation, Vermicompost, Nursery & Horticulture, etc will be introduced.
	Departmental and Central Laboratory Facilities	Existing Departmental and Central Laboratory Facilities will be upgraded with sophisticated equipment. Lab Technician will be appointed on Contractual basis. Lab facilities will be offered to other users against payment to earn revenue.
	Central Computer Centre	Central Computer Centre will be established with the help of competent authority and the proposal has already

		been submitted.
Phase II (6-10 yrs)	Introduction of PG Courses	All the UG Department will be upgraded to PG department in phase manner, especially in the department of Physics, Chemistry, Mathematics, Botany and Zoology.
	Upgradation to Research Institute	Affiliation of Institutional Laboratories with University/R&D institutes. For this purpose, existing Research Promotion Cell will do needful action like MoUs with others research institute.
	Canteen facilities upgradation	Renovation and development of the existing canteen facilities.
	Playground and Boy's Hostel	Procurement of Govt land for development of Playground and establishment of Boy's Hostels.
	Upgradation to Autonomous College	Action plan will be prepared and submitted to the Competent authority for recognition
Phase III (11-15 yrs.)	Infrastructure Development	1.Extension Campus for Arts and Commerce faculty will be established. 2.Existing Science Campus will be upgraded
	Upgradation to University	Action plan will be prepared and submitted to the Competent authority for recognition

[Signature]
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