

*INSTITUTIONAL DEVELOPMENT PLAN (IDP)*  
*For*  
*IMPLEMENTATION OF NEP-2020*



**Submitted by**  
**TASK-FORCE**  
**NOWGONG COLLEGE (AUTONOMOUS)**  
Old A. T. Road, Nagaon-782001, Assam, India  
Year of Establishment: 1944

## SUMMARY

National Education Policy-2020 (NEP-2020) proposes the revision and revamping of all aspects of the education structure, its regulation and governance, and creating a new system aligned with the aspirational goals of 21<sup>st</sup> century education, while remaining consistent with India's traditions and value systems. In this pursuit, Nowgong College (Autonomous) needs to reorient its strategies as per the thematic areas focused under National Education Policy-2020 by the Ministry of Education, Government of India. Universal access to quality education needs to be ensured in the state with a growing population of youngsters who require educational opportunities for their personal and professional excellence as well as the welfare of our society and the country. This College endorses the aim of National Education Policy-2020 that India must have an education system by 2040 that is second to none, with equitable access to the highest quality education for all learners regardless of social or economic background. The College will ensure restructuring and reorientation of education under the guidelines of the state and central governments and the UGC- New Delhi. Draft Copy of "Institutional Development Plan (IDP) for the Execution of National Education Policy-2020" in the college was prepared by Task-Force of Nowgong College (Autonomous) as per guidelines of Team NEP-2020, Directorate of Higher Education, Govt. of Assam to chart a road map and ensure effective implementation of NEP-2020 with the following steps:

1. Analysis of the present scenario in terms of 'Access', 'Quality' and 'Future Readiness'.
2. Envision transformation of institution for next 15 years in lines of NEP-2020 and draw a strategic plan of action.
3. Define the mission of the institution to identify the goals, strengths, opportunities, priorities and commitments
4. Identify the strengths and capacity (human and financial) in regard to organizational gaps and develop the process to mitigate these gaps.
5. Identify institutional goals-Long term and Short term.
6. Identify institutional level challenges-Long term and Short term
7. Develop a workable hypothesis to mitigate and overcome the challenges in a phased manner.
8. Develop strategies to promote leadership.
9. Develop mechanism to ensure 'transparency' in governance.
10. Action plan for phase wise implementation of the perspective IDP with specific timelines.

The following strategy was adopted:

**1<sup>st</sup> Stage:** As per direction and guidelines of Directorate of Higher Education, Govt. of Assam (*DHE Letter No.: DHE/PA/Misc./3/2022/8, Dated Kahilipara the 28<sup>th</sup> April. 2022*), Task Force were constituted for implementation of NEP-2020 in Nowgong College (Autonomous). Task force convened meeting with all HoDs, Members of Academic Council and faculty members to brainstorm NEP-2020 and curriculum.

**2<sup>nd</sup> Stage:** All the Heads of the Departments convened meetings with their respective faculty members to brainstorm NEP-2020. Thereafter, the faculty members submitted their comments/suggestions/ideas with regard to implementation of National Education Policy-2020. Based on the comments/suggestions of the faculty and departmental meetings, the respective HODs prepared a draft and submitted the same to the Task force for discussion.

**3<sup>rd</sup> Stage:** The Task force reviewed the comments and suggestions offered by the HODs and convened a meeting of the HODs for further brainstorming. Based on this interaction, the Task force prepared a draft curriculum for UG and PG programme and same is shared among HoDs and faculty members for suggestions. Further, college authority nominated Nodal Officer for Academic Bank of Credit (ABC) and entrusted the Nodal Officer to initiate registration process.

**4<sup>th</sup> Stage:** In the fourth stage, the task force convened a meeting with HoDs presented a draft structure of UG and PG syllabus along with pool of SEC, AEC, VAC courses which has potential to be offered. The house suggested to send the draft curriculum to the Department of Higher Education, Govt. of Assam for suggestions.

**5<sup>th</sup> Stage:** Task force convened meetings/discussions with various stakeholders of the college to prepare of road map for implementation of NEP-2020. A Sensitization Programme on Implementation of NEP-2020 in reference to Course Structure was organized by Task force in association with IQAC on 1<sup>st</sup> June, 2022. Prof. M. P. Bora, Director, IQAC of Gauhati University (Parent University) was invited as Resource Person for their inputs regarding the action plan and implementation of NEP-2020. The suggestions and comments received in the 4th stage also discussed and evaluated at this stage.

**6<sup>th</sup> Stage:** The College has already registered for **Academic Bank of Credit** under National Academic Depository (NAD). The final report of the IDP was prepared as per discussions/meetings with various stakeholders and recommendations of the Sensitization Programme. This edited report will then be vetted by the Academic Council, Parent University and Governing Body of the college and will be finally implemented.

### **National Education Policy 2020 (NEP-2020)**

The National Education Policy 2020 envisions a nation-centric education system that contributes directly to transforming our nation sustainably into an equitable, vibrant and knowledge-based society by providing high quality education to all the citizens. The vision of India's new education system has accordingly been crafted to ensure that it touches the life of each and every citizen, consistent with their ability to contribute to many growing developmental imperatives of this country on one hand, and towards creating a just and equitable society on the other. Based on the developments that have taken place in the world of cognitive sciences, there is now a deep engagement with the idea that social and emotional competencies must be acquired by all learners to become competent academically, socially and emotionally. The holistic nature of knowledge as imparted through a broad and interwoven education is an important factor for the preparation of students for life, work and to be an effective member of the society. In this context, several institutions of higher studies

across the world have implemented education policies through an array of different disciplines that include the arts, humanities, mathematics and sciences suitably integrated with specialization in the area of interest. Liberal education will be provided at the undergraduate level for preparing students to navigate their way into the future with a variety of employment scenarios as well as many other roles they will play in their professions. The National Education Policy (NEP) 2020, envisaged for some transformational reforms in the Indian education system. It talks about the education system that lays emphasis on experiential learning along with a focus on 21st-century skills like critical thinking, problem-solving, etc. Curriculum of UG and PG programmes are going to be restructured as per NEP 2020 to provide multiple exit and entry options throughout a four year undergraduate degree programme. New curriculum will offer flexibility and opportunities to earn degree, diploma, and certificate courses. Hence, it is imperative to put a lot of emphasis on offering better exposure to the subject by educating through field experience training, theory, and practical sessions. The overall higher education sector will aim to be an integrated higher education system, including professional and vocational education. Developing professionals with the ability to understand and use local knowledge, traditional indigenous knowledge, and emerging technologies while being cognizant of critical issues is at the centre of NEP-2020. The NEP advocates inculcation of ethics and human & Constitutional values like empathy, respect for others, cleanliness, courtesy, democratic spirit, spirit of service, respect for public property, scientific temper, liberty, responsibility, pluralism, equality, and justice in the education system at all levels. Under NEP-2020 it is expected that in the years to come, universities will provide opportunities for higher education and research in a multidisciplinary environment. Quality education will be a key part of the transition to the knowledge-based economy that is currently underway in parts of India but needs to encompass the entire country.

**Nowgong College (Autonomous):** Established in pre-independent era in 1944, Nowgong College in its 79 years of glorious journey has witnessed many achievements and significant developments, which are the milestones of this elite academic institution. Started with a single stream of Arts, the college now boasts to have three streams with more than 3600 students and 85 capable faculties with 405 nos. publications in last 5 year to their credits in National & International Peer Reviewed Journals, Books, book chapters. Apart from 19 UG Departments, there are 10 PG Departments in the college. The college has 4 Ph. D. programme in four departments, recognized by Gauhati University and recently, Ph.D. programme has been introduced in seven departments by the college as per UGC guideline, a apart from 3 Open and Distance Learning Centres (ODLs) . Moreover, the college has UGC funded B. Voc. Programme, Diploma Courses and 15 Certificate Courses along with other self-financed skill based programmes. In addition to several Major and Minor Research Projects, the College has received DST funded FIST grant and Advanced Institutional Level Biotech Hub. A fully automated Library with more than 61, 000 Books, Journals, Reference Books as well as other publications is another asset of this Institution. Apart from well managed class rooms, there are several ICT mediated class rooms and other facilities for better student support. The College possesses strong stakeholders, alumni; parents, authority and students, who play a pivotal role in the all-round development of the college. Very

recently, UGC has conferred Autonomous status to Nowgong College. The College has undergone 3 cycles of NAAC accreditation process with continuously scaling higher CGPA with 3.27 at present, and fourth cycle has been extended till 31<sup>st</sup> December, 2025. Considering its quality initiatives, NAAC and UGC have conferred Nowgong College with the status of Mentor Institute and MHRD has selected the college for Institutional Innovation Cell.

**Analysis of the present scenario in terms of ‘Access’, ‘Quality’ and ‘Future Readiness’ of Nowgong College (Autonomous):**

I. Thematic Area-wise Present Scenario and Situational Statistics of Nowgong College (Autonomous)

Sub-Themes	Present Scenario and Situation Analysis
<b>Theme: Access</b>	
Equity including Gender Parity	<ul style="list-style-type: none"> <li>Female participation is higher than male (Nowgong College)</li> <li>Male female ratio is 780:1000 (Nowgong College)</li> <li>Gender Parity Score is 1.28-Nowgong College</li> </ul>
Inclusion including Socio-economic Deprived Group (SEDGs)	<ul style="list-style-type: none"> <li>Satisfactory representation of Economically Deprived groups</li> <li>BPL-APL student ratio is 358:1000 (Nowgong College)</li> <li>Maximum Students belongs to Socially Deprived group</li> <li>61% of total enrolment belongs to Socially Deprived group- ST, SC, OBC (Nowgong College)</li> </ul>
Measures for increasing access including online and Open and Distance Learning (ODL) education	<ul style="list-style-type: none"> <li>Achieved status of SWAYAM Local Chapter</li> <li>College has centrally connected with Hi-Fi</li> <li>Set up study centre of Open Universities viz. IGNOU, KKHSOU, IDOL (Gauhati University)</li> <li>Encourages dual degree among students</li> </ul>
Increasing access through Indian languages	<ul style="list-style-type: none"> <li>Assamese language is used as medium of instruction alongside English</li> <li>Assamese, Arabic, Bengali, Hindi, Sanskrit Departments offer UG programme</li> <li>Assamese department offer PG programme</li> <li>Established Indigenous Language Laboratory for teaching and practice of indigenous languages viz., Bodo, Mising, Karbi, Dimasa etc. among students</li> <li>Sanskrit department has Spoken Sanskrit programme</li> </ul>
<b>Theme: Quality</b>	
Multidisciplinary and holistic education	<ul style="list-style-type: none"> <li>Offers education in three streams- Arts, Science and Commerce</li> <li>14 Undergraduate arts departments, 07 undergraduate science departments, 03 undergraduate commerce departments</li> <li>05 postgraduate arts departments, 04 postgraduate science departments and Ph.D. programmes in 6 departments</li> </ul>

	<p>(English, Education, Philosophy, Zoology, Botany, Chemistry)</p> <ul style="list-style-type: none"> <li>• Provision of Open courses are there to make degrees multidisciplinary</li> <li>• Ability enhancement Courses, Skill Enhancement Courses and value added courses are offered in multidisciplinary areas focusing on non-scholastic development besides scholastic development</li> <li>• 03 B. Voc. course, 15 certificate courses and 02 diploma course</li> </ul>
Flexibility of courses and student mobility-multiple entry and exit	<ul style="list-style-type: none"> <li>• CBCS is introduced in both UG and PG programmes with free choice of courses irrespective of any specific discipline</li> <li>• Student mobility from other institution is allowed in same discipline.</li> <li>• As of now there is no provision of multiple entry and exit.</li> </ul>
Indian Knowledge System	<ul style="list-style-type: none"> <li>• Subjects focusing on Indian Knowledge system like Sanskrit, History etc. offers degree programmes</li> </ul>
Research, Innovation and Ranking	<ul style="list-style-type: none"> <li>• Teachers conducts research alongside teaching and other extension activities</li> <li>• Got two patent by a faculty members</li> <li>• NAAC accredited with CGPA 3.27, highest among Colleges in Assam</li> <li>• Regularly participates in NIRF, yet to get position.</li> <li>• The College has seven Ph.D. programmes &amp; 12 numbers of faculty members recognized as Research Guide by Gauhati University</li> <li>• MHRD selected the college for establishment of Institutional Innovation Council (IIC)</li> <li>• College will started more Ph. D. Programme from January, 2022</li> </ul>
Capacity building of faculty	<ul style="list-style-type: none"> <li>• Conducts workshops and training programmes for teachers in innovative teaching and research pedagogies, particularly ICT integration.</li> </ul>
<b>Theme: Future Readiness</b>	
Enhancing employability through internship/apprenticeship	<ul style="list-style-type: none"> <li>• The College has established collaborations with premier institute/Organization like IIT-Guwahati, IIT-Mumbai, IEST-Delhi, Assam Startup-The Nest (IIM-Calcutta Innovation park), USTM- Meghalaya, Red Cross Society-Guwahati, IIE- Guwahati, World Researchers Organization, EIRC &amp; ICAI-Kolkata , RFRI, Jorhat etc.,</li> <li>• MoU with IIT Bombay on training students in Spoken Tutorial Programmes</li> <li>• MoU with IIT Guwahati for internship of students</li> <li>• Conducts campus recruitment. 35 students were selected in campus recruitment last year</li> <li>• Working to collaborate with industries for internships and employability</li> </ul>

	<ul style="list-style-type: none"> <li>College has B. Voc. programme on Bachelor on Medical Laboratory Technology, Pharmaceutical Chemistry, Nutrition and Health Care Science and other thirteen skill oriented certificate courses</li> </ul>
Transforming education through integration of technology	<ul style="list-style-type: none"> <li>Set up digital library</li> <li>Membership of DELNET, N-List</li> <li>Set up digital classroom</li> <li>Installed campus Wi-Fi</li> <li>A portion of syllabi is designated to be taught in online mode.</li> <li>Introduced Online College Management system to facilitate activities like examination form fill up, Admit card and Grade-Sheet issuance etc.</li> </ul>
Accreditation for quality education	<ul style="list-style-type: none"> <li>Conducts academic audit every year by external academician</li> <li>Consecutive NAAC accreditation</li> <li>Nowgong College is mentoring ten colleges and one private university on NAAC A &amp; A UGC under UGC Paramarsh Scheme</li> <li>Nowgong College also mentoring three Higher Secondary Schools on Science Education</li> <li>Regular participation in NIRF</li> <li>Nowgong College has an open and welcoming stand in the accreditation system</li> </ul>
Internationalization	<ul style="list-style-type: none"> <li>Diploma courses are offered in German and Japanese languages.</li> <li>Collaborated with foreign institution in offering diploma course in foreign language</li> <li>Nowgong College (Autonomous) nominated renowned academician/researchers as International Academic Adviser (s) from different countries viz., Australia, Switzerland, USA and UK for quality teaching and research ambience in the college.</li> </ul>
Governance	<ul style="list-style-type: none"> <li>Governed by Assam Govt.</li> <li>Decentralised Governance</li> </ul>

II. Thematic Area-wise Initiatives/Measures Taken by Nowgong College (Autonomous)

Sub-Themes	Initiatives/Measures Taken for Implementing NEP 2020
<b>Theme: Access</b>	
Equity including Gender Parity	<ul style="list-style-type: none"> <li>Established Equal Opportunity Cell</li> <li>Reduced admission fee for female students</li> <li>Set up College Women Cell</li> <li>Regularly organize gender sensitization programme</li> <li>Celebration of International Women Day</li> <li>Nowgong College has two separate women hostels</li> </ul>
Inclusion including Socio-economic Deprived Group	<ul style="list-style-type: none"> <li>Reservation policy for socially deprived group is strictly followed.</li> </ul>

(SEDGs)	<ul style="list-style-type: none"> <li>• Scholarships for ST, SC, OBC students</li> <li>• Free admission by Govt. of Assam for economically weaker sections</li> <li>• Institutional scholarships for economically deprived students</li> <li>• Distributed smart phones to students with economically poor background during Covid crisis</li> <li>• Conduct remedial and tutorial classes for socio-educationally weaker section of students</li> </ul>
Measures for increasing access including online and Open and Distance Learning (ODL) education	<ul style="list-style-type: none"> <li>• Offers UG &amp; PG programmes through study centres of IGNOU, KKHSOU, IDOL (Gauhati University)</li> <li>• Achieved status of SWAYAM Local Chapter</li> <li>• Working to offer MOOCs</li> <li>• Initiated to start more UG &amp; PG programmes</li> <li>• Nowgong College ICT cell has opened YouTube Channel for online teaching.</li> </ul>
Increasing access through Indian languages	<ul style="list-style-type: none"> <li>• Assamese language is used as medium of instruction alongside English</li> <li>• Assamese, Bengali and Hindi Departments offer UG programme</li> <li>• Assamese departments offer PG programme</li> <li>• Nowgong College has already established Indigenous Language Lab for teaching and practice of indigenous languages viz., Bodo, Mising, Karbi, Dimasa etc. among students</li> </ul>
<b>Theme: Quality</b>	
Multidisciplinary and holistic education	<ul style="list-style-type: none"> <li>• Restructuring some courses to promote Indian Traditional Knowledge with an aim to achieve the goal to make India <b><i>Biswaguru</i></b>.</li> <li>• Offers education in three streams- Arts, Science and Commerce</li> <li>• Already registered for Academic Bank of Credit (ABC) to provide learners to open individual academic bank account in digital form</li> <li>• Restructuring the curriculum with multiple exit/entry options for all the programmes of study as per NEP-2020</li> <li>• In view of NEP-2020, programmes has prepared to given equal exposure to curriculum, co-curriculum and extra-curriculum</li> <li>• Introduced CBCS with free choice of courses to make programmes multidisciplinary</li> <li>• Provision of Open courses are there to make degrees multidisciplinary</li> <li>• Ability enhancement Courses, Skill Enhancement Courses and value added courses are offered in multidisciplinary areas focusing on non-scholastic development besides scholastic development</li> <li>• College has started student mentoring and school mentoring</li> </ul>

	<p>programme</p> <ul style="list-style-type: none"> <li>• College has started community service through involving student and faculty members, for this <i>Sarothi</i>-The Time Bank has established.</li> <li>• Introducing skill based courses to increase employability potential in UG and professional programmes and developing bridge courses for students coming from disadvantaged educational backgrounds.</li> <li>• College has introduced employability enhancing courses and connected the students who have completed graduation and post –graduation with help of Alumni Association and alumni data base of the college. Such courses enhance the probability of employment in different sectors.</li> <li>• To enhance the holistic nature of UG programmes, existing courses, in the areas of waste management, environmental studies, Early Childhood care and Education (ECCE), yoga, vermicomposting, ornamental fish and fisheries, mushroom cultivation, chemistry of cosmetics etc.</li> <li>• To promote the online education, college has prepared e-content using various platforms with vision to make learners to a global leader.</li> </ul>
Flexibility of courses and student mobility-multiple entry and exit	<ul style="list-style-type: none"> <li>• In the capacity of Autonomous status, college has prepared syllabus for all programmes to encourage learners for multidisciplinary and holistic education</li> <li>• This new approach will replace exiting CBCS to make programmes flexible</li> <li>• Applied to NAD (National Academic Depository) to enable the college to create Academic Bank of credits (ABC) to ensure seamless student mobility and multiple entry and exits.</li> <li>• Prepared draft curriculum to ensure multiple entry and exit of students.</li> </ul>
Indian Knowledge System	<ul style="list-style-type: none"> <li>• Set up a language laboratory to offer courses in indigenous languages of Assam</li> </ul>
Research, Innovation and Ranking	<ul style="list-style-type: none"> <li>• College Research Cell is established</li> <li>• Initiated to start Ph.D. programmes in seven department</li> <li>• College Research Fund is created and fund has been generating form local resources</li> <li>• Seed money is provided to faculty with exceptional research evidences</li> <li>• Preparing the institution to undergo upcoming binary accreditation of NAAC</li> <li>• Nowgong College (Autonomous) nominated renowned academicians/researchers as International Academic Adviser (s) from different countries viz., Australia, Switzerland, USA and UK for quality teaching and research ambience in the college.</li> </ul>
Capacity building of faculty	<ul style="list-style-type: none"> <li>• Facilitates faculty members to participate in profession development programmes</li> </ul>

	<ul style="list-style-type: none"> <li>• Conducts workshops and training programmes for teachers in innovative teaching and research pedagogies, particularly ICT integration.</li> </ul>
<b>Theme: Future Readiness</b>	
Enhancing employability through internship/apprenticeship	<ul style="list-style-type: none"> <li>• Bachelor of Vocational courses are introduced- B. Voc. programme on Bachelor on Medical Laboratory Technology, Pharmaceutical Chemistry, Nutrition and Health Care Science and other thirteen skill oriented certificate courses</li> <li>• Skill enhancement courses are offered as parts of regular degree programmes</li> <li>• Practical and internship components has been introduced in syllabi of all types of courses irrespective of stream to enhance employability</li> </ul>
Transforming education through integration of technology	<ul style="list-style-type: none"> <li>• Introduced Online Examination Management system to facilitate activities like examination form fillup, Admit card and Grade-Sheet issuance etc.</li> <li>• Syllabi is designated with a designated portion to be taught in online mode.</li> <li>• Set up digital library, automation of central library</li> <li>• Membership of DELNET, N-List</li> <li>• Set up digital and smart classroom</li> <li>• Installed campus wi-fi</li> <li>• Initiated the credit transfer system from different MOOCs courses</li> </ul>
Accreditation for quality education	<ul style="list-style-type: none"> <li>• Initiated to conduct employment audit of pass out students</li> <li>• Conducts academic audit every year by external auditor</li> <li>• Revamp Internal quality assurance mechanism to conduct regular quality assessment and sustenance</li> <li>• Consecutive NAAC accreditation</li> <li>• Regular participation in Nowgong College has an open and welcoming stand in the accreditation system</li> </ul>
Internationalization	<ul style="list-style-type: none"> <li>• Collaborated with foreign institution in offering diploma course in foreign language</li> <li>• Nowgong College (Autonomous) nominated renowned academician/researchers as International Academic Adviser (s) from different countries viz., Australia, Switzerland, USA and UK for quality teaching and research ambience in the college.</li> </ul>
Governance	<ul style="list-style-type: none"> <li>• Achieved Autonomous Status from UGC</li> <li>• Governed by Assam Govt. rules and UGC regulations</li> <li>• The opportunity costs and fees for pursuing higher education will be mitigated as the policy of Govt. of Assam</li> <li>• The admission process is already inclusive however, it will be made flexible with growing expectation of transforming society</li> </ul>

III. Thematic Area-wise Best Practices Evolved/Adopted by Nowgong College (Autonomous)

Sub-Themes	Best Practices Evolved/Adopted
<b>Theme: Access</b>	
Equity including Gender Parity	<ul style="list-style-type: none"> <li>• Nowgong College regularly organises gender sensitization programmes in the beginning of every academic year through induction programmes</li> <li>• Collaborative efforts are taken with Govt. and Non-Govt. Organisations to promote gender equity</li> <li>• Observation of national and international days having gender relevance is being organised at Nowgong College.</li> </ul>
Inclusion including Socio-economic Deprived Group (SEDGs)	<ul style="list-style-type: none"> <li>• Nowgong College has taken affirmative actions like -providing independent scholarship to socio-economically deprived students, Mobilises local patrons and Alumni to accumulate funds to help economically weaker sections.</li> <li>• Nowgong College has developed a social entrepreneurship policy to develop entrepreneurship skills and uplifting the socio-economic condition of women in rural areas</li> </ul>
Measures for increasing access including online and Open and Distance Learning (ODL) education	<ul style="list-style-type: none"> <li>• Achieved status of SWAYAM Local Chapter</li> <li>• Setup repository of E-resources</li> </ul>
Increasing access through Indian languages	<ul style="list-style-type: none"> <li>• Nowgong College has already established Indigenous Language Lab for teaching and practice of indigenous languages viz., Bodo, Mising, Karbi, Dimasa etc. among students</li> <li>• Introduce of Bodo, Mising, Dimasa as Skill Enhancement Course</li> </ul>
<b>Theme: Quality</b>	
Multidisciplinary and holistic education	<ul style="list-style-type: none"> <li>• Restructuring some courses to promote Indian Traditional Knowledge with an aim to achieve the goal to make India Biswaguru.</li> <li>• College has started community service through involving student and faculty members, for this Sarothi-The Time Bank has established.</li> <li>• College has introduced employability enhancing courses and connected the students who have completed graduation and post –graduation with help of Alumni Association and alumni data base of the college. Such courses enhance the probability of employment in different sectors.</li> <li>• Pool of skill enhancement programmes are created to offer students with any academic discipline</li> <li>• To enhance the holistic nature of UG programmes, existing</li> </ul>

	<p>courses, in the areas of waste management, environmental studies, Early Childhood care and Education (ECCE), yoga, vermicomposting, ornamental fish and fisheries, mushroom cultivation, chemistry of cosmetics etc.</p>
Flexibility of courses and student mobility-multiple entry and exit	<ul style="list-style-type: none"> <li>• Flexible and choice based syllabus to ensure multiple entry and exit of students</li> </ul>
Indian Knowledge System	<ul style="list-style-type: none"> <li>• Set up a language laboratory to offer courses in indigenous languages of Assam</li> </ul>
Research, Innovation and Ranking	<ul style="list-style-type: none"> <li>• Seed money is provided to faculty with exceptional research evidences</li> <li>• Nowgong College has created a Research Trust named after Late Dulal Ch. Goswami Memorial Trust' and Rs. 10, 00, 000/-for promotion of Research ambience in the College. From the trust college authority will honour an incentive to talented researchers of the college</li> </ul>
Capacity building of faculty	<ul style="list-style-type: none"> <li>• Conducts workshops and training programmes for teachers in innovative teaching and research pedagogies, particularly ICT integration in association with IIT, Guwahati and TLC, Tezpur University</li> <li>• Regularly FDP programme has been arranged for Ph. D. Supervisors</li> </ul>
<b>Theme: Future Readiness</b>	
Enhancing employability through internship/apprenticeship	<ul style="list-style-type: none"> <li>• Opened vocational and skill development Diploma and certificate courses</li> </ul>
Transforming education through integration of technology	<ul style="list-style-type: none"> <li>• Developed digital college management system to conduct classes, examinations and evaluations in a more reliable, scalable and integrated manner</li> <li>• Introduced blended mode of delivery of education</li> </ul>
Accreditation for quality education	<ul style="list-style-type: none"> <li>• Nowgong College is mentoring ten colleges and one private university on NAAC A &amp; A UGC under UGC Paramarsh Scheme</li> <li>• Nowgong College also mentoring three Higher Secondary Schools on Science Education</li> </ul>
Internationalization	<ul style="list-style-type: none"> <li>• Nowgong College (Autonomous) nominated renowned academician/researchers as International Academic Adviser (s) from different countries viz., Australia, Switzerland, USA and UK for quality teaching and research ambience in the college.</li> </ul>
Governance	<ul style="list-style-type: none"> <li>• E-governance is adopted in all the activities of Nowgong College</li> <li>• Letter of recognition and appreciation to outperformers</li> <li>• Transparent and decentralised approach in all operations</li> </ul>

IV. Thematic Area-wise Strategy for Implementing NEP 2020 Planned by  
Nowgong College (Autonomous)

Sub-Themes	Planned Strategies for Implementing NEP 2020
<b>Theme: Access</b>	
Equity including Gender Parity	<ul style="list-style-type: none"> <li>• Certificate and Diploma courses will be introduced in cross-cutting issues like gender equality, peace and conflict resolutions, human rights, women studies etc.</li> </ul>
Inclusion including Socio-economic Deprived Group (SEDGs)	<ul style="list-style-type: none"> <li>• Adopt more villages of local tribes to enhance their socio-economic skills through providing training on sericulture and fish farming activities</li> </ul>
Measures for increasing access including online and Open and Distance Learning (ODL) education	<ul style="list-style-type: none"> <li>• To start MOOCs programmes as SWAYAM local chapter</li> <li>• Introduce Dual Degree programmes</li> <li>• Introduce <i>Sarothi</i>-The Time Bank for service to the community</li> <li>• College has one functional digital library</li> <li>• College website is connected with National Digital Library</li> </ul>
Increasing access through Indian languages	<ul style="list-style-type: none"> <li>• More Indigenous Language Lab will be established for teaching and practice of indigenous languages viz., Bodo, Mising, Karbi, Dimasa etc. among students</li> </ul>
<b>Theme: Quality</b>	
Multidisciplinary and holistic education	<ul style="list-style-type: none"> <li>• To start more multidisciplinary and innovative programmes to enhance skill development of students.</li> <li>• To start programmes on Yoga and Fitness</li> <li>• The college will develop a concept map for different programmes focusing multidisciplinary approach</li> <li>• In the capacity of Autonomous status, college has prepared syllabus for all programmes to encourage learners for multidisciplinary and holistic education</li> <li>• This new approach will replace exiting CBCS to make programmes flexible</li> <li>• Already registered to NAD (National Academic Depository) to enable the college to create Academic Bank of credits (ABC) to ensure seamless student mobility and multiple entry and exits.</li> <li>• Draft curriculum has prepared to ensure multiple entry and exit of students.</li> </ul>
Flexibility of courses and student mobility-multiple entry and exit	<ul style="list-style-type: none"> <li>• Inclusion of practical and internship component in all types of courses irrespective of stream or discipline</li> <li>• To set up Academic Bank of Credits at NAD</li> <li>• To adopt UGC guidelines with respect to multiple entry and exit</li> </ul>
Indian Knowledge System	<ul style="list-style-type: none"> <li>• Set up more language labs to offer courses in indigenous languages of Assam</li> </ul>
Research, Innovation and Ranking	<ul style="list-style-type: none"> <li>• To start more Ph.D. programmes in the college</li> <li>• To set up collaborations with premium research</li> </ul>

	<p>institutions</p> <ul style="list-style-type: none"> <li>• The college will develop a framework and set up benchmarks to enhance research culture</li> </ul>
Capacity building of faculty	<ul style="list-style-type: none"> <li>• Award or intensive for quality research of the faculties.</li> <li>• Conducts workshops and training programmes for teachers in innovative teaching and research pedagogies, particularly ICT integration.</li> </ul>
<b>Theme: Future Readiness</b>	
Enhancing employability through internship/apprenticeship	<ul style="list-style-type: none"> <li>• Inclusion of practical and internship component in all types of courses irrespective of stream or discipline</li> </ul>
Transforming education through integration of technology	<ul style="list-style-type: none"> <li>• Setting up more ICT enabled smart classroom, campus wi-fi, digital library etc.</li> <li>• Syllabus is going to be restructured to accommodate credit transfer from SWAYAM courses</li> <li>• Preparing to set up Academic Bank of Credits at NAD</li> </ul>
Accreditation for quality education	<ul style="list-style-type: none"> <li>• The college is accredited by NAAC with grade “A” CGPA 3.27 (3<sup>rd</sup> cycle) valid up to 31<sup>st</sup> December, 2025</li> <li>• The Nowgong College is preparing to face upcoming binary accreditation of NAAC</li> </ul>
Internationalization	<ul style="list-style-type: none"> <li>• To start more certificate and diploma programmes in foreign language in collaboration with different organization in support of prominent alumni of the college</li> </ul>
Governance	<ul style="list-style-type: none"> <li>• Comprehensive E-governance will be installed and adopted.</li> </ul>

## **Envision transformation of institution for next 15 years in lines of NEP-2020 and draw a strategic plan of action:**

### **Action Plan of Nowgong College (Autonomous) for the Execution of National Education Policy-2020**

The Action Plan envisaged by Nowgong College (Autonomous) is discussed with the following subheads:

**Sub Plan 1:** Action Plan for the Execution of UGC guidelines for the Implementation of National Education Policy- 2020.

**Sub Plan 2:** Action Plan of Nowgong College (Autonomous) along with time frame and engagement profile for the Execution of National Education Policy-2020 at Institutional and State Levels.

The proposed action Sub Plan 1 and Sub Plan 2 for execution of National Education Policy by Nowgong College (Autonomous) is discussed as under:

**Sub Plan 1** that is “Action Plan for the Execution of UGC guidelines for the implementation of National Education Policy- 2020 “is mandatory. The UGC has also prepared draft curricula for the execution of National Education Plan-2020 which is obligatory for the Universities/Colleges to follow. Draft curricula guidelines have been received from the UGC for Sub Plan 1 and will accordingly be executed into the Action Plan of Nowgong College (Autonomous). However there is liberty of 30 per cent flexibility in all the course contents which will be used for ensuring the suggested changes as are envisaged under NEP-2020.

**Sub Plan 2** that is “Action Plan of Nowgong College (Autonomous) along with time frame and engagement profile for the execution of National Education Policy at Institutional and State Levels” has a number of activities suggested to be initiated for successful execution of National Education Policy-2020. This broad group of suggested activities is further classified into the following three categories:

**Constitution of Task Force the execution of Nowgong College (Autonomous) Action Plan on National Education Policy-2020:** Nowgong College (Autonomous) will make committed efforts for the enhancement of quality education as is envisaged under National Education Policy-2020. As per direction and guidelines of Directorate of Higher Education, Govt. of Assam will therefore be constituted which will ensure that all the strategic points discussed under action plan are executed as per the schedules targets and time frame manner with conformation to the rules and policy of the state and central government including UGC. This committee will serve as nodal agency for successful execution of the activities envisaged under NEP-2020 for quality education in Nowgong College (Autonomous). This committee will ensure the approval of action plan from the Academic Council and Governing Body of the college so as to make it an approved policy document.

**Restructuring under NEP-2020 and Implementation Status at Nowgong College (Autonomous)**

Agenda / Guideline	Existing Status	Action Plan at Autonomous College/University level
<b>Institutional Restructuring and Consolidation</b>		
Institution shall need to expand to become teaching and research-intensive multidisciplinary institutions.	Nowgong College (Autonomous) is a multidisciplinary educational institution with varying degree of multidisciplinary programmes.	College will continue to grow and achieve higher levels of education and research. As Autonomous College, new multi-disciplinary programmes will be introduced gradually after approvals from various competent authorities.
Universities/Colleges should focus on increasing student numbers first to achieve the minimum target of 3000 and then go	Nowgong College (Autonomous) has already increased the total number of seats offered under different programmes. The present	The intake capacity of students will be enhanced 5% yearly as per the policy of the college authority so that the minimum level of students is

beyond.	student strength is around 3600.	maintained.
<b>Making Multi-disciplinary Institution</b>		
Single stream Universities/colleges will have to either merge with Parent University/cluster college or expand into multidisciplinary universities/colleges by 2030.	Nowgong College (Autonomous) is a multi-faculty college, viz., Arts, Science & Commerce.	Partially implemented and will be further strengthened through statutory rulings of the State Government/Parent University and accordingly More programmes will be added.
<b>Eliminating “Affiliation System”</b>		
As per NEP-2020, the affiliation system has to be phased out by 2035.	Nowgong College already conferred autonomous status by UGC, so does not possess any affiliation system. Further, Govt. of Assam has also recently declared as state university.	As per guidelines of regulatory authority (such as UGC) and Govt. of Assam degree granting institution or university will be functioning.
<b>Steps to enhance Gross Enrolment Ratio (GER)</b>		
Enhance Gross Enrolment Ratio (GER)	Step is already being initiated. There will be an increase of at least 10% seats starting from 2021- 22 academic sessions on annual basis. In order to utilize the resources efficiently and enhance the GER, the authority is decided to include more skill based academic programmes.	Will be further strengthened.
<b>Academic Restructuring of UG and PG Programmes</b>		
Revamping academic program structure with an innovative system of multiple entry and exits with options toward certificate, diploma, UG degree general, or degree research, and one or two years of Master’s degree.	Multiple exit and entry points into higher education will be made available.	College will implement as per the guidelines of regulatory authority (such as UGC) and Department of Higher Education, Govt. of Assam.
Academic Bank of Credits (ABC)	The College has already registered for Academic Bank of Credits under National Academic Depository (NAD) as per the directives of the Ministry of Education.	College will implement as per the guidelines of regulatory authority (such as UGC).
As per the NEP-2020, the curriculum and pedagogy will be designed by universities/colleges along with standards of student	The standards of student assessment, both for on-line and in-class modes have been fixed.	College will implement as per the guidelines of regulatory authority such as UGC), Govt. of Assam and Academic Council of

assessment, both for on-line and in-class modes.		Nowgong College (Autonomous)
<b>Internationalization</b>		
Giving priority to Internationalization of universities/colleges will need to be devised by each University/college to attract international students.	<ul style="list-style-type: none"> <li>• Diploma courses are offered in German and Japanese languages.</li> <li>• Collaborated with foreign institution in offering diploma course in foreign language</li> <li>• Nowgong College (Autonomous) nominated renowned academician/researchers as International Academic Adviser (s) from different countries viz., Australia, Switzerland, USA and UK for quality teaching and research ambience in the college.</li> </ul>	The college will start more certificate and diploma programmes in foreign language in collaboration with different organization in support of prominent alumni of the college
<b>Student Development</b>		
As recommended by the NEP-2020, the financial assistance to students shall be made available through various means/measures.	Nowgong College has taken affirmative actions like - providing independent scholarship to socio-economically deprived students, Mobilises local patrons and Alumni to accumulate funds to help economically weaker sections.	It will be further strengthened through state, central and regulatory authority (such as UGC) grants.
<b>Faculty Development</b>		
Every class room shall be equipped with technology that enables better learning experience.	Classrooms are already equipped.	The classrooms will be further improved.
Faculty may be given the freedom to design their own curricular and pedagogical approaches within the approved framework, including textbook and reading material, assignments and assessments.	Freedom is already ensured.	Will be improved by college authority as guidelines.
<b>Governance and Leadership in Universities</b>		

A Board of Governors (BoG) shall be established consisting of a group of highly qualified, competent, and dedicated individuals	We have existing system of Governing Body	The guidelines of regulatory authority (such as UGC) will be followed
<b>Promoting Institutional Leadership</b>		
Leadership positions shall not remain vacant.	Nowgong College (Autonomous) has permanent Principal and already initiated the steps for decentralization of duties among faculty members and non-teaching staff.	The endorsement of the Government if needed will be requested.
<b>Online and Digital Education</b>		
The existing digital platform and ongoing ICT based educational initiatives must be optimized and expanded.	Nowgong College (Autonomous) has Youtube channel where faculty members are uploaded their classes. Developed digital college management system to conduct classes, examinations and evaluations in a more reliable, scalable and integrated manner. Introduced blended mode of delivery of education The ICT tools such as, two-way video and audio interface for holding online classes are used. Virtual labs and smart classrooms are being established.	This activity will be further strengthened.

#### **Timelines for implementation of NEP by Nowgong College (Autonomous)**

<b>Sl. No.</b>	<b>Suggested Activity by the draft curriculum framework of UGC for Implementation of the NEP2020</b>	<b>Action by the Nowgong College (Autonomous)</b>	<b>Timeline</b>	<b>Phase</b>
<b>1</b>	Multiple exit and entry points into higher education may be made available by all the universities. The residential requirements of UG, PG and PhD programmes need to be relaxed so that the students wishing to exit/ enter may be able to do so irrespective of any time limit. This may be implemented by taking the	The residential requirements of UG, PG and PhD programmes are already relaxed. The multiple exit and entry points will be decided as per guidelines of regulatory authority (such as	2023-24	<b>Phase-I</b>

	approval of Academic Council and the Governing Body of the Nowgong College (Autonomous).	UGC). Already prepared draft curriculum where reflected credit points.		
<b>2</b>	Constitution of the Task Force as per direction and guidelines of Department of Higher Education, Govt. of Assam for restructuring and reformulation of the UG and PG curriculum in accordance with the new system advised by NEP.	As per guidelines of regulatory authority (such as UGC) & State Govt. guidelines.	2023-24	<b>Phase-I</b>
<b>3</b>	Compliance with Academic Bank of Credits as per the directives of Ministry of Education.	Already registered for Academic Bank of Credits (ABC) under National Academic Repository (NAD).	2022-23	<b>Phase-I</b>
<b>4</b>	Deemed Universities of UGC may initiate process for transforming them into Multidisciplinary Education and Research University (MERU)	UGC declared Nowgong College as autonomous college from the session 2020-2021. Govt. of Assam has declared the college as University and will be functioning as university as per Govt. notification.	2025-26	<b>Phase-II</b>
<b>5</b>	Common entrance test may be conducted by Nowgong College (Autonomous) for admission in UG and PG programmes.	Nowgong College (Autonomous) will conduct common entrance test for UG and PG programmes from the academic session 2023-24.	2022-2023	<b>Phase-I</b>
<b>6</b>	Institutional Development Plans identifying their core strength for research areas.	Nowgong College (Autonomous) has already initiated the process of preparing Institutional Development Plan	2022-2023	<b>Phase-I</b>

		and will be ready by December 31, 2022.		
<b>7</b>	All institutions, located in the same premises offering either professional or general education may aim to organically evolve into multi-disciplinary institutions/clusters offering both seamlessly, and in an integrated manner.	Nowgong College (Autonomous) is already a multi faculty autonomous college; however this specific feature will further be strengthened as per the NEP-2020.	2023-2030	<b>Phase-III</b>
<b>8</b>	Achieving 50 per cent Gross Enrolment Ratio (GER) in higher an educational institutions including vocational education.	Nowgong College (Autonomous) will follow all the directions of regulatory authority (such as UGC) and state/ central government. Efforts are already initiated in this direction.	2030-2035	<b>Phase-III</b>
<b>9</b>	All HEIs will aim to become independent self governing institutions pursuing innovation and excellence. Upon receiving the appropriate graded accreditations that deem the institution ready for such a move, a Board of Governors (BoG) may be established.	Efforts will be made in this direction as per the approval of state / central governments and the regulatory authority (such as UGC).	2035	<b>Phase-IV</b>
<b>10</b>	All higher education institutions (HEIs) should aim to become multidisciplinary institutions by 2040.	Nowgong College (Autonomous) is already a multi faculty autonomous college which will further be strengthened as per the directions of the regulatory authority (such as UGC) and NEP-2020.	2040	<b>Phase-V</b>

**Restructuring and Implementation of Academic Programmes**

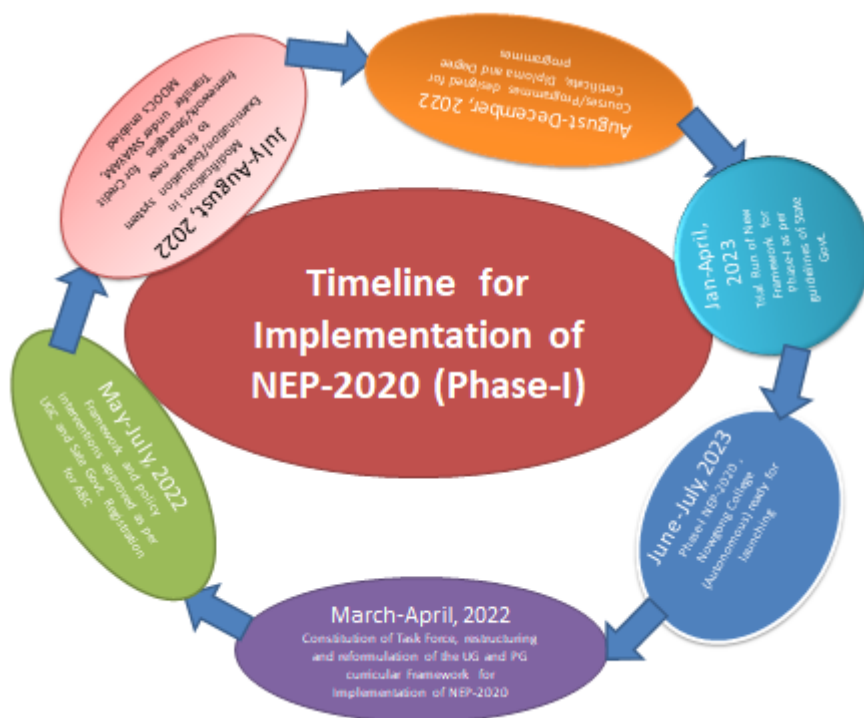
<b>Sl. No.</b>	<b>Restructured Academic</b>	<b>Period</b>	<b>Deciding</b>	<b>Timeline</b>
----------------	------------------------------	---------------	-----------------	-----------------

	Programmes		Agency	
<b>1</b>	4 years B.Sc./B.A./B.Com. program	Ongoing 3 years to 4 years	To be implemented by Academic Council as per guidelines of regulatory authority (such as UGC).	Up to 2025
<b>2</b>	4 years B.Sc./B.A./B. Com. program First year: CERTIFICATE COURSE (2 semesters) (theory and hands on training) exit option with certificate	Year one – exit option with certificate	To be implemented by Academic Council as per guidelines of regulatory authority (such as UGC).	By 2025
<b>3</b>	4 years B.Sc./B.A./B. Com. program Second year: DIPLOMA COURSE (2+2=4 semesters) (theory and practical) exit option with certificate	Year two – exit option with diploma	To be implemented by Academic Council as per guidelines of regulatory authority (such as UGC).	By 2025
<b>4</b>	4 years B.Sc./B.A./B. Com. program Third year: semesters 5 & 6, intensive course work and practical	Year three	To be implemented by Academic Council as per guidelines of regulatory authority (such as UGC).	By 2025
<b>5</b>	4 years B.Sc./B.A./B. Com program Fourth year, semesters 7&8, advanced course work/ specialization	Year four Completion of B.Sc./B.A./B. Com. Degree	To be implemented by Academic Council as per guidelines of regulatory authority (such as UGC).	By 2025
<b>6</b>	M.Sc. one year program	1 year (two semesters)	As per guidelines of regulatory authority (such as UGC) and Parent University.	By 2030
<b>7</b>	M.Sc. 2 year program, current system to continue as	2 years	To be implemented by	Continuing

	it is.		Academic Council as per guidelines of regulatory authority (such as UGC).	
8	Ph.D. 2-3 year program, current system to continue as such.	2-3 years	To be implemented by Central Research Committee (CRC) of Nowgong College (Autonomous) as per guidelines of regulatory authority (such as UGC), Governing Body of the college, Parent University.	Continuing



**Fig.1: Implementation Plan of NEP-2020 by Nowgong College (Autonomous)**



**Fig.2: Timeline for implementation (Phase-I) of NEP-2020 by Nowgong College (Autonomous)**

List of Activities suggested under NEP-2020 and already being followed in Nowgong College (Autonomous) detailed description

Sl. No.	Initiatives suggested under NEP-2020	Present Status in Nowgong College (Autonomous)	Description of the Already existing Initiatives	Future Strategies
1	Mitigate opportunity costs and fees for pursuing higher education	The costs and fees are mitigated for higher education	A subsidized fee structure is followed as per the decisions of the Governing Body as per directions of State Govt.	Will be further strengthened as per the guidelines of NEP-2020
2	Provide more financial assistance and scholarships to socio-economically disadvantaged students	Financial assistance and scholarships are provided to the socioeconomically disadvantaged students as per Central & State Government guidelines	Merit Scholarship, ST, SC and Minority Scholarships are provided by Central & State Government	Will be further strengthened as per the guidelines of NEP-2020
3	Conduct outreach on higher education opportunities and scholarships	Opportunities are regularly shared with students	Opportunities are provided for scholarships as students can apply for different central and state	Will be further strengthened as per the guidelines of NEP-2020 /

			government scholarships/Students are regularly made aware/College also formed different trust with the help of alumni to provide incentives for meritorious students and research scholars	
4	Make admission processes more inclusive admission process is followed. All sections of the society are given equal opportunity as per the guidelines of state / Central Government	A complete transparent and inclusive programmes as per guidelines of State Government	The admission process is transparent as per guidelines of State Government/Preparing for Common Entrance Test as per NEP-2020 for UG and PG Programmes	Will be further strengthened as per the guidelines of NEP-2020
5	Make curriculum more inclusive	It is obligatory to follow the UGC, Parent University and State Govt. guidelines. The liberty of 30 per cent flexibility in the local context is followed.	Course curriculum as is prescribed UGC and Parent University is followed with 30 per cent liberty to include local contexts and was finalized after detailed deliberations in the Board of Studies/Academic Council meetings.	Will be further strengthened as per the guidelines of NEP-2020
6	Increase employability potential of higher education programmes	Skill upgradation is ensured through practical oriented courses	Both theoretical and practical skills are provided to the students as the course curriculum is designed in such a way that it includes practical as well as the theoretical knowledge enhancement of students. ● The courses are practical oriented with main focus on skill development. The courses on communication/ extension education are	Will be further strengthened as per the guidelines of NEP-2020

			regularly organized for soft skill development.	
7	Ensure all buildings and facilities are wheelchair accessible and disabled-friendly	College is sensitive towards the needs of differently abled students, staff and faculty members	All buildings are wheelchair accessible upto ground floor/Wheel chairs are provisioned at different locations. Disabled friendly washrooms are available/ Ramps are available in ground floor of all the buildings	Will be further strengthened as per the guidelines of NEP-2020
8	Develop bridge courses for students that come from disadvantaged educational backgrounds Provide socio-emotional and academic support and mentoring for all such students through suitable counseling and mentoring programmes	This is already executed for strong emotional and academic support.	Career Counseling and Placement cell is already functioning in the college/Mentor/Advisors are allotted to all students' right starting from UG levels.	Will be further strengthened as per the guidelines of NEP-2020

**Vision, Mission and Quality Policy of the College to identify the goals, strengths, opportunities, priorities and commitments:**

**Vision:**

- Our vision is to provide outstanding education and training to the maximum at affordable cost and raise the aspirations of our learners and enable them to achieve their goals.
- Transforms the life of students through the integration skill, training and character building

**Mission:**

The discovery and dissemination of new knowledge are the central themes of our mission. The institution aspires to support the progression of individuals through education. The institution endeavours to:

- Create pool of skilled manpower in Assam
- To provide academically conducive environment, to generate future leader
- To nurture talent of under privileged sections of the society and transforms the life of million through academic excellence.
- To inculcate life skills by provide value based education and nurturing a scientific spirit of enquiry in the young mind

**Quality Policy:**

- To inculcate a sense of social and moral responsibilities towards society and environment
- To stimulate students' inborn talent and skill by understanding their attitude and capability and to mould their passion in to profession.

**Strengths and capacity (human and financial) of the college is regard to organizational gaps and develop the process to mitigate these gaps:**

<b>Existing Facilities</b>	<b>Requirements</b>
<b>Area</b>	
Total Land available: <b>24 Bigha 04 katha 15 Lecha (09 acres)</b>	<b>100 Bigha:</b> (For Play grounds, Hostels, Museum, Classrooms, Laboratories, Digital Library)
<b>Infrastructure</b>	
Total Buildings (covered area in sq. ft.): <b>39, 820 sq. ft.</b> Administrative Block: Principal Office: 1000 sq. ft. Staff Room (Accounts Branch): 2050 sq. ft. Establishment Branch): 450 sq. ft. Common Room: 1020 sq. ft. Toilet (Gents and Women): 250 sq. ft. <b>Total area: 4770 sq. ft.</b> Total Class Rooms: 54 (35,000 sq.ft.) <b>Total Laboratories : 41</b> Canteen: Staff Canteen – 01 (one) - Capacity - 30, Size- 1200 sq ft. Students Canteen -01 (One) – Capacity – 150, Size – 2560 sq. ft.	Classrooms: 100 nos. Laboratories: 50 Staff Quarter: 100 VC's Quarter: 01 Registrar's Quarter: 01 Hostel: 04 (Male 02, Female 02)
<b>Faculty Strength</b>	
<b>Faculty Strength: 85</b>  Associate Professor : 35 Assistant Professor: 50 Ph.D.: 51 M.Phil. : 12	<b>Existing Departments</b> Professor : 15 Associate Professor : 15 Assistant Professor: 15 <b>New Departments</b> Professor : 10 Associate Professor : 10 Assistant Professor: 10 <b>Skilled based programme: 10</b> <b>Total: 85</b>

<b>Non-Teaching Staff</b>	
<b>Total staff: 15</b>	<b>Staff Required: 80 (Library, Office, Departments )</b>
<b>Disciplines</b>	
<p><b>UG Disciplines:</b>  Arts: 14  Science: 07  Commerce: 03</p> <p><b>PG Disciplines:</b>  Science: <b>04</b> (Chemistry, Botany, Geography, Zoology)  Arts: <b>05</b> (Assamese, English, Education, History, Philosophy)</p> <p><b>Doctoral Programme:</b>  Ph. D. Programme (Under Gauhati University): <b>03</b>  Ph. D. Programme (Under Nowgong College Autonomous): <b>06</b></p> <p><b>B.Voc Programmes: 02 (MLT, TTM)</b>  <b>Skill Enhancement Courses (Diploma &amp; Certificate): 12</b></p>	<p><b>UG Disciplines:</b>  Arts: 04 (Psychology, Home Science, Performing Arts, BLi.Sc)  Science: 05 (Environmental Science, Geology, Biotechnology, Microbiology, BCA)  Commerce: 01 (BBA)</p> <p><b>PG Disciplines:</b>  Science: <b>08</b> (Physics, Environmental Science, Geology, Biotechnology, Microbiology, MCA, Environmental Management, Statistics)  Arts: <b>05</b> (Psychology, Performing Arts, Economics, Political Science, Hindi, Sanskrit, MLi.Sc)</p> <p><b>Skill Enhancement Courses:10</b>  Graphic Designing Courses  Photo/Video Editing  Digital Marketing  Public Speaking  Academic and Business Writing  Website designing  Creative Arts and Designs  Business and Management  Food Analytics (Food Quality and Safety)  Chemical and Microbiology Analysis of Food and Water</p>
<b>Library:</b>	

<ul style="list-style-type: none"> <li>• Total area: 320.25 Sq. Mt.</li> <li>• Reading room area: 2000 Sq. Ft.</li> <li>• Total Nos. of Books : 60,100 vols. (as on 31-03-2021)</li> <li>• Total Reference Books: 6,200 vols.</li> <li>• <b>Back-Volumes:</b> 8,000 nos.</li> <li>• <b>Total No. of Journals/Magazines:</b> 20 nos.</li> <li>• <b>Total No. of News Papers:</b> 18 nos.</li> <li>• <b>E-Resource:</b> Available [N-List: (e-Journals 6,000 &amp; e-Books 1,64,300) , Swayam, e-Pathshala, Tutorial , CDs, Sudh Ganga, Digital Library of India and Other resources]</li> </ul> <p><i>*Besides the Central Library, each Department has Departmental Library with good number of books and journals.</i></p>	<p><b>One sophisticated Digital Library with modern equipment</b></p>
<b>Laboratory Facilities</b>	
<p><b>Total No. of Laboratory: 41</b>  <b>Equipment Cost: Approx. 1.5 Cr</b>  <b>Sophisticated Equipment:</b> FTIR, Spectrophotometer (solid state &amp; UV-VIS), Phase contrast microscope, Dissecting microscope with camera attachment, Lyophilizer, Thermal cycler, Gel documentation system, Cooling centrifuge etc..</p>	<p><b>Equipment needed for UG, PG and Doctoral Programmes: 5.0 Cr. (For example HPLC, GCMS, SEM, XRD etc..)</b></p> <p><b>Space and manpower (03 nos.) for Central Instrumentation Facility (CIF)</b></p>
<b>Internet Connectivity</b>	
<p>Entire college campus is provided with free wi-fi facility with a speed 300 MBPS of BSNL FTTH connection</p>	<p><b>ERP Software, LAN connectivity</b></p>
<b>Medical &amp; Day Care Facility</b>	
<p>The College has a medical care room located at the first floor of the Indoor stadium with all necessary first aid facility and two beds for Patients.</p>	<p><b>One hospital with 24 hours Health Professional availability.</b></p>
<b>Transportation Facility</b>	

<p>Though there is no transport facility of the college of its own, however there is an agreement with a local transport provider on hiring basis as and when necessary.</p>	<p><b>Buses for staff and students will be required.</b></p>
--	--

### **Institutional goals Short term and Long Term:**

#### **Short terms (02-05 years):**

- Preparing the Roadmap for curricular reforms in a phased manner, focusing on multidisciplinary and holistic education.
- Preparing the four years curriculum of each programme of study and introducing Outcome-based curriculum focusing on key aspects of NEP.
- Application for approval of Academic Bank of Credit (ABC) of the institute to facilitate transfer of credits acquired by the students from Indian/ foreign Universities for the award of a degree is placed.
- Restructuring the curriculum with multiple exit/entry options for all the programmes of study
- Awarding 1-2 credits for NCC/NSS/ Community Service programmes.
- Restructuring academic programmes of uniform and compatible credit pattern.
- Integrating Value and Skill-based courses in the curriculum of each programme of study.
- Increase in intake capacity in the existing departments having adequate infrastructure.
- Introduction of skill-based courses to increase employability potential in UG and professional programmes and developing bridge courses for students coming from disadvantaged educational backgrounds.
- Students' friendly institutional website.
- Enhancement of sports/ recreation facilities.
- Differently-abled and gender sensitive eco-system.
- Strict enforcement of all no-discrimination and anti-harassment rule
- Timely promotions under Career Advancement Scheme
- Mandatory Faculty Induction Programme for newly recruited faculty.
- Annual departmental presentations to motivate the faculty for incremental progress.

- Adequate technology support for improvement of educational processes and outcomes.
- Optimum use of technology-based education platforms, such as DIKSHA/ SWAYAM
- Establishment of various clubs for sports, dance, music, photography, fine arts, theatre activities, extension activities, literary activities, animation and designing etc. for upskilling of the students. Necessary MoUs will be signed with sports universities, skill universities etc.

Establishment of Indigenous language laboratory.

- Liaising with neighbouring government/ private schools for teaching internships, collaborative community engagement, adult and vocational education related activities.
- Institutionalising of competitions on students' innovation activities at regular intervals and annual awards for innovative works and research.
- Integrating Arts, Humanities, Social Sciences, Science, Mathematics, Professional and Vocational Education.
- Integration of co-curricular and extra-curricular with curricular aspects.
- Introducing some more certificate, diploma, UG/PG programmes.
- Improving students' employability by providing internships with local industry, businesses, artists, crafts persons, etc.

#### **Long-term (5-15 Years)**

- Integrated UG, PG and research programmes in all disciplines
- Establishment of Skill Centre for hands on training and practical exposure.
- Attractive incentives to the faculty pursuing Consultancy Projects.
- Complete autonomy to the faculty for collaborative researches with foreign partners.
- Maintaining the student-teacher ratio at par with the global standards for creative engagement of teachers.
- Implementation of the remaining targets relating to promotion of Indian Knowledge Systems, Languages, Culture and Values as envisioned in NEP-2020.
- Industry-Institution research engagement in relevant areas.
- Inter-institutional collaboration for innovations and entrepreneurship development.
- Linkages with regional/national and international innovation hubs.
- Establishing centres of excellence to promote state of the art research, teaching and extension with quantitative outcomes.
- Establishment of advanced Incubation Centres and technology development centres in frontier areas of research/ innovation with greater industry academic linkages.
- Facilitating the dropouts from the formal system to align their practical experience with the relevant level of the NSQF.

- Linkages with foreign universities, research organisations or MNCs to boost vocational education in the institution.
- Transforming the teachers through periodical trainings, autonomy in collaborative researches and extension activities.

### **Institutional level challenges:**

Sub-Themes	Challenges/Issues faced
<b>Theme: Access</b>	
Equity including Gender Parity	<ul style="list-style-type: none"> <li>• Lack of awareness and illiteracy of guardians</li> <li>• Socio-religious stereo-types among some groups</li> </ul>
Inclusion including Socio-economic Deprived Group (SEDGs)	<ul style="list-style-type: none"> <li>• Shortage of educational institutions in rural and geographically remote areas</li> <li>• Lack of awareness and illiteracy among some deprived groups of people</li> <li>• Socio-religious stereo-types among some groups</li> </ul>
Measures for increasing access including online and Open and Distance Learning (ODL) education	<ul style="list-style-type: none"> <li>• No degree granting autonomy</li> <li>• Required more number faculty and enhanced and infrastructure</li> </ul>
Increasing access through Indian languages	<ul style="list-style-type: none"> <li>• Idiocy among most guardians to educate their wards in English medium from early stages of education.</li> </ul>
<b>Theme: Quality</b>	
Multidisciplinary and holistic education	<ul style="list-style-type: none"> <li>• Required more number faculty and enhanced and infrastructure</li> <li>• Lack of industry-academia collaboration</li> <li>• Lack of employment opportunities in local market</li> </ul>
Flexibility of courses and student mobility-multiple entry and exit	<ul style="list-style-type: none"> <li>• No uniform credit distribution among different courses in the state</li> <li>• No uniform grading system</li> <li>• No uniform academic calendar among institutions</li> </ul>
Indian Knowledge System	<ul style="list-style-type: none"> <li>• Students' indifference</li> <li>• Lack of visible career opportunities in students' perception</li> </ul>
Research, Innovation and Ranking	<ul style="list-style-type: none"> <li>• Infrastructure and financial constraints</li> <li>• Burdened with teaching responsibilities due to imbalanced student teacher ration</li> </ul>
Capacity building of faculty	<ul style="list-style-type: none"> <li>• Lack of structured and regular training mechanism of teachers in higher education.</li> <li>• Less no of funding agencies to support for conducting workshop, seminar, FDP and major or minor research projects.</li> </ul>
<b>Theme: Future Readiness</b>	
Enhancing employability through internship/apprenticeship	<ul style="list-style-type: none"> <li>• Lack of industries in the state to facilitate internships for students</li> <li>• Man-power and infrastructure shortage to start emerging programmes to increase employability</li> </ul>

Transforming education through integration of technology	<ul style="list-style-type: none"> <li>• Digital literacy gap among students</li> <li>• Digital divide among students</li> <li>• Lack of compatible digital gadgets among poor students</li> <li>• Poor bandwidth in rural areas</li> </ul>
Accreditation for quality education	<ul style="list-style-type: none"> <li>• No challenges</li> </ul>
Internationalization	<ul style="list-style-type: none"> <li>• Inflow of foreign students is very poor in comparison to outflow.</li> <li>• Socio-geographic constraints to motivate foreign institutions to start their campuses</li> </ul>
Governance	<ul style="list-style-type: none"> <li>• No degree granting autonomy.</li> </ul>

### **COLLABORATIONS:**

The College has established collaborations with premier institute/Organization like

- IIT-Guwahati
- IIT-Mumbai, ICT- Mumbai, DRL- Tezpur University
- IEST-Delhi
- Assam Startup-The Nest (IIM-Calcutta Innovation park)
- USTM- Meghalaya
- Red Cross Society- Guwahati
- IIE- Guwahati
- World Researchers Organization
- EIRC & ICAI-Kolkata
- ICT Academy New Delhi
- International Research Collaboration Georgia Institute of Technology, Atlanta, USA
- Guangxi University Nanning, China

### **OTHER SIGNIFICANT RECOGNITION:**

- Institutional innovation council- IIC under MHRD, Govt. of India
- Mentor institute under UGC Paramarsh Scheme
- SWAYAM – NPPL Local Chapter
- DST-FIST -2018 (Rs. 50 lakhs)
- DBT star college scheme (Rs. 36 lakhs)
- DBT advance institutional Bio-Tech HUB (1 crore 11 lakhs)

### **Institutional Best practices:**

- Preparation and free distribution of hand sanitizer and mask among common people of the town and in adopted village by the Department of Chemistry in the early days of Corona outbreak.
- Hands on training on ornamental fish culture and aquarium making for the migrant workers during Covid-19 pandemic organized by Deptt. of Zoology.
- Workshop on “Spinning & Utilization of Eri Silk” at adopted villages.
- Vermicomposting unit for Biodegradable waste management.
- Rain water harvesting

- ❑ College is plastic and crackers free zone.
- ❑ The pond in the campus has been developed as migratory bird's habitat with about 1 hectore area.
- ❑ Introduced one award to encourage young researchers with the help of alumni.
- ❑ Nominated international academic adviser (Australia, UK, USA) for innovative teaching, collaborative research and student and faculty exchange programme.

**Proposed Structure of Syllabus (UG & PG)**  
**UG & PG model framework for NEP-2020**

Semester	Elective Courses (EC) (Natural Science/Humanities/Social Science)	Language Education (L.Ed.)	Foundation Course (FC)	Vocational (VOC)	Interdisciplinary (IDP)	Total Credit	Total Marks
1	1-3 1-3	MIL 1-6	1-3 (Understanding India)	1-3	1-2	20	350
2	2-3 2-3	English 1-6	2-3 (Env. Sc./Education)	2-3	2-2	20	350
3	3-3 3-3	Digital and Technological solutions 1-6	3-3 (Mathematical and computational thinking and analysis)	3-3	3-2	20	350
4	Major 1-4 2-4 3-4	Minor 1-3	4-2 (Community engagement)	4-3	-----	20	450
5	Major 4-4 5-4 6-4	Minor 2-3	---	5-3	5-2 (Field based learning Project)	20	450
6	Major 7-4 8-4 9-4	Minor 3-3	---	6-3	6-2 (Internship)	20	450
<b>For Bachelor's Degree with Honours</b>							
7	Major 10-5 11-5 12-5	-----	5-3 (Research ethics and Methodology)	---	7-2	20	400
8	13-3		1-15 (UG Thesis)		8-2	20	400
<b>For Bachelor's Degree with Research</b>							
7	UG Thesis 1-15		6-3 (Research ethics and Methodology)		9-2	20	400
8			1-18 (UG Thesis)		10-2	20	400
<b>For Master's Degree</b>							
9	14-5 15-5 16-5		7-3 (Research ethics and Methodology and applications)		11-2	20	400
10			2-18 (Master's Thesis)		12-2	20	400

**Major Courses:** DSC to be defined by BoS/CCS/School

**Minor:** Supporting DSC courses to be defined by concerned and inter BoS/CCS/School

**Elective Course:** Supporting DSC courses to be defined by concerned and inter BoS/CCS/School with sufficient flexibility and option to choose from a pool of subjects.

**Vocational:** May be imparted by the mother institution or by cluster institutions located nearby, subjects: communications, soft skills language etc.

**Language Education:** MIL or Regional Languages and Language and communication skill (English)

**Foundation Course:** Environmental Science/Education, Understanding India, Promotion of Indian Languages, Indian Culture and heritage, Constitution and basic Mathematical, Statistical and computational thinking/Digital Technologies/Health and Wellness, Yoga and Sports.

**Interdisciplinary:** Inter/Intra Faculty- related to main course or supporting /additional knowledge acquiring. Interdisciplinary courses may include component like, **Cognitive Science, Environmental Science, Gender Studies, Global Environment & Health, International Relation, Political Economy and Development, Sustainable Development** etc.

**Digital and Technological Solution:** Artificial Intelligence (AI), 3-D Machining, Big data Analysis

Machine Learning with important application to Health, Environment and Sustainable living

**Mathematical and computational thinking and analysis:** Mathematical and Statistical tools used to support the study of natural and social sciences (Biology, Chemistry, Economics, Physics, Sociology etc.)

**Community Engagement:** Community engaged activities, including participation in NSS, NCC, adult literacy/Education Programme and Student Monitoring

## NOWGONG COLLEGE (AUTONOMOUS) Proposed Question Pattern

For 100 Marks (4/5/6 Credits) (T60+P20+IA20)	For 50 Marks (2/3 Credits) (T30+PI0+IA10)
1 Marks 7 questions (No option)	1 Marks 4 questions (No option)
2 Marks 4 questions (No option)	2 Marks 3 questions (No option)
5 Marks 3 questions (5 option/ <b>at least one question from each units</b> )	5 Marks 2 questions (3 option / <b>at least one question from each units</b> )
10 Marks 3 questions (5 option/ <b>at least one question from each units</b> )	10 Marks 1 questions (3 option/ <b>at least one question from each units</b> )



Principal  
Nowgong College (Autonomous)  
Nagaon:: Assam