

Annual Quality Assurance Report (AQAR) of the IQAC

Name of the Institution:

Year of Report:

Lakhimpur Girls College

2006-07

Part A: The plan of Action by IQAC towards quality enhancement by July 2006:

1. Continuation of UGC Remedial Coaching for ST / SC and Minority students and coaching for entry into services for students belonging to minority community and continuing the Career Oriented Programmes.
2. Issue of circular for UGC sponsored National Seminar on Contemporary Indian Writing in English from North East: Trends, Concepts and Techniques to be held on 15-16 Dec 2006.
3. National Symposium on Trends of Physics beyond Einstein: continuing celebration of International Year of Physics to be held on the same date sponsored by UGC, NERO Guwahati.
4. In-house Seminars by all Departments.
5. Field works & Educational Tours by the Departments for feedback to students.
6. Celebration of Hindi Divas by the Department of Hindi.
7. Mega Cultural show in collaboration with Nata Sainik.
8. Preparation of syllabus of Major course by the Department of Home Science for approval of Dibrugarh University and introduction of Home Science major w.e.f. July 2007.
9. Submission of proposals to UGC for Eleventh Plan various schemes and construction of Second Girls Hostel.

10. Alteration to college uniform to churidar.
11. Adoption of students charter.

Outcome Achieved by JULY 2007:

1. (a) Students of Six career Oriented Programmes in Applied Psychology, Translation Proficiency, Food and Nutrition, Information and Computer Technology, Sericulture and Fishery introduced in 2004 appeared certificate, diploma and advanced diploma examinations
(b) Students of Music and Fine Arts appeared Annual Examinations.
2. Remedial Coaching Classes for students belonging to SC / ST, Minority Communities and coaching for Entry into Services for students of minority community conducted for the year 2006-07.
3. National Seminar on Contemporary Indian Writing in English from North East. Trends, Concepts and Techniques held on 15-16 Dec 2006 was inaugurated Prof. S. C. Saha, Vice Chancellor, Rajiv Gandhi University, Arunachal Pradesh and graced by Prof. B. K. Danta, , Department of English, Tezpur University, Prof. N Nagaraju, Department of English, Rajiv Gandhi University, Arunachal Pradesh and attended by scholars and participants from different parts of India.
4. National Symposium on Trends of Physics beyond Einstein: Continuing Celebration of International Year of Physics held on 15-16 Dec 2006 was inaugurated by Prof. Kalyan Kumar, Director, NERIST, Arunachal Pradesh and graced by Prof. Kamal Borah, Former rector Dibrugarh University & Prof. Tarakeswar Chowdhury, Visiting professor ,Mathematics, Rajiv Gandhi University.
5. 40 in house seminars by various departments were organized.

6. Field works by the departments of Anthropology, Home Science, Botany, Education, Geography, English, Zoology, Environmental Science and History have been organized throughout the year.
7. The college being shortlisted by the UGC for conferment of autonomous college status.
8. Major Courses introduced in the departments of Anthropology and Geography during 2004-05 session appeared TDC III (I+I+I) Final University Exams.
9. The College submitted fresh syllabus to the Dibrugarh University for introduction of Major Courses in Home Science department.
10. The College received and utilized grants from the UGC for Adventure Sports Scheme.
11. Physical Education Programmes like Yogasana, Meditation and Physical Exercises organized for the students being maintained by the Departments of Philosophy and the Indoor Games Section of the Students Union.
12. Proposals for various schemes of Eleventh Plan submitted to UGC.
13. Revision of institutional goal / objectives as follows:
 - ❖ Learning & practicing self – reliance.
 - ❖ Pursuance of career / skill / job – oriented courses.
 - ❖ Introduction of distance learning programme of various indigenous and foreign universities with emphasis on technical and management courses and opening of counseling of placement cells.
 - ❖ Compulsory Computer / IT competence for all.
 - ❖ As ours is an institution for women, skilful assimilation of traditional and modern knowledge and technology for fruitful realization of cultural promotion through practice of yoga, music fine arts, ayurveda etc. claim special emphasis.

- ❖ Tenacious pursuance of sustainable development and realization of Ecology conservation through practice of skill oriented courses based on promotion of regional biodiversity.
- ❖ All out attempt to cope with the challenges of time.

14. College uniform altered to churidar.

15. Students charter adopted.

Part B: Activities relating the goals and objectives of the

Institution:

1. The Career – oriented courses, remedial, coaching programmes, training camps, physical education programmes and workshop organized for fulfilling the institutional goals / objectives for uplifting the students standard and providing them self sustenance.
2. **New academic programmes initiated (UG and PG)** – B. Mus., M. Mus., career oriented courses Remedial Coaching and Major (Honors) courses in Anthropology, Geography and home science.
3. **Innovations in circular design and transaction.** Inter – disciplinary curricular in the carrier oriented programmes have been designed by the coordinators of concerned programmes.
4. **Inter – disciplinary programmes started:** Six career oriented programmes: Advanced Psychology, Translation proficiency, Food and Nutrition, Information and Computer Technology, Sericulture and Fishery.
5. **Examinations reforms implemented:** Regular Unit Tests, Group Discussion, In house Seminars, assignments for home works etc.
6. **Candidates Qualified: NET / SLET / GATE etc** – NIL.
7. **Total No of seminars / Workshops conducted:** National level – Two, In house – Forty.

8. Research Projects:

(a) Newly Implemented: UGC sponsored Minor Research Projects for 10th plan as on 31st July 2007.

Sl. No.	Names of Teachers	Department	Subject	Amount
1.	Mr Lohit Hazarika	Anthropology	Environmental changes affecting the tribals – a case study of Missing tribals of Lakhimpur	Rs. 35,000/-
2.	Mr. K S Khandyatray	English	T.S. Eliots influence on Navakanta Barua	Rs. 50,000/-
3.	Mr. Surajit Bhuyan	Physics	Study on the interaction of a laser beam with the absorption lines of different molecules.	Rs. 55,000/-
4.	Dr. Sabita Borah	Zoology	Ethno Zoological Aspects of faunas of Lakhimpur districts of Assam of NE India.	Rs. 60,000/-
5.	Dr. Manoranjan Pandit	Political Science	Impact of Immigrants on the politics of Assam.	Rs. 45,000/-
6.	Dr. Ranjan Kumar	Zoology	Endocrine control of growth, protein metabolism and bio energetics in a fresh water fish mystus vittatus (Bloch)	Rs. 80,000/-
7.	Mrs. Swapna Chetia Gogoi	Assamese	Asamor nepali samaj: Uttar Lakhimpur Mahkuma bhittik eti bhasha tattik adhayan.	Rs. 1,00,000/-
8.	Dr. H.M.A. Shahid	Geography	Surface runoff and ground water level fluctuation and its impact on human habitant on lower	Rs. 65,000/-

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(b) Completed:

UGC sponsored projects for 9th plan / Project submitted to other agency

Sl. NO	Names of Teachers	Department	Subject	Amount
1.	Ms. Deepanjali Dutta	Assamese	Neo-Vaishnavite movement of Assam and Orissa	Rs. 50,000/-
2.	Mr. K S Khandyatray	English	Modernism & Contemporary Oriya Poetry	Rs. 50,000/-
3.	Dr. Nigamananda Das	English	English spoken by students coming from Assamese and English Medium Schools	To CIEFL Hyderabad
4.	Dr. Nigamananda Das	English	Prospective skills of the teaching English to the college students of Assam	Rs. 50,000/-
5.	Dr. Bonti Gogoi Howbora	Economics	Status of Women in Assam	Rs. 30,000/-
6.	Dr. Bonti Gogoi Howbora	Economics	Women's contribution in higher education: a case study of Lakhimpur district	Rs. 40,000/-
7.	Dr. Premananda Howbora	Economics	The Gaon Panchayat level samabay samities of assam: Problems & Prospects (a case study of Lakhimpur & Dhemaji Districts)	Rs. 30,000/-
8.	Mr. Kusumbar Bhuyan	Political Science	Health Awarness Among Tribals of Assam	Rs. 30,000/-
9.	Ms. Bornali Phukan	History	Post Independence Assamese Historical	Rs. 50,000/-

			Writings	
10	Mr. Bubul Kr Saikia	Mathematics	Some aspects of Bags of fuzzy bags	Rs. 40,000/-
11.	Dr. Debojit Boruah	Botany	Impact of crude oil pollution on soil environment & vegetation following an accidental blow out of an oil well at upper assam	Rs. 45,000/-
12.	Dr. Sabita Bora	Zoology	Studies on the toxicities of some pesticides on the behavior, haematology and respiratory and rate of some fresh water fishes.	Rs. 50,000/-

UGC sponsored projects for 10th plan (Completed)

Sl. NO	Names of Teachers	Department	Subject	Amount
1	Dr. Nigamananda Das	English	The poets of NEI writing in English	Rs. 50,000/-
2	Dr. Bonti Gogoi Howbora	Economics	Role of Women Entrepreneurs In Economic Development – a case study of Lakhimpur District	Rs. 80,000/-
3	Dr. Premananda Howbora	Economics	Problems and Prospects of Industrialization (a case study of Lakhimpur District)	Rs. 75,000/-
4	Ms. Swapna Chetia Gogoi	Assamese	Unabinsha Satikat Asomia Bhasar eti aitihasyik adhyayan	Rs. 70,000/-
5	Dr. Sabita Bora	Zoology	Effects of Sublethal Concentration of Assam Petroleum	Rs. 40,000/-
6	Ms. Bornali	History	Twentieth Century	Rs. 60,000/-

	Phukan		Historical Writings on Medieval Assam	
7	Mr. Bubul Kr Saikia	Mathematics	Medical Diagnosis Using Fuzzy Softset Theory & Intuitionistic Fuzzy Soft set Theory	Rs. 47,000/-
8	Ms. Deepanjali Dutta	Assamese	A Comparative Study of Assamese and Oriya short stories.	Rs. 55,000/-
9	Dr. Nigamananda Das	English	Contemporary Indian English fiction – trends and counter trends	Rs. 30,000/-
10	Mr Madhab Rajkhowa	Economics	A case study of the pattern of trade in Lakhimpur	Rs. 17,000/-
11	Dr. Debojit Boruah	Botany	An ecological investigation of down stream of subansiri river basin – a pre impact study of the 2000 MW Lower subansiri dam	Rs. 45,000/-

9. Patents Generated if any: NIL

10. New collaborative research programmes: NIL

11. Research grants received from various agencies: **Only UGC FIP: to Mrs. Sabitri Saikia Kakoty (Lecturer in Chemistry) and Mr. Bhupen Chutia (Lecturer in English)**

12. Details of research scholars: (A) Teacher Scholars

Name of Teachers	Department
1. Mrs. Sabitri Saikia Kakoti	Chemistry
2. Mr. Bhupen Chutia	English

3. Mr. Lohit Hazarika	Anthropology
4. Mr. Jaswant Singh	Anthropology
5. Ms. Minakshi Saikia Boruah	Anthropology

(B) Research Scholars (Under the supervision of teachers of the college)

Supervisor	Deptt	No of SCHOLARS	LEVEL
Mr HK Borah	Pol. Science	1	M Phil
Dr. AK Dutta	Pol. Science	3	M Phil
Dr KP Gogoi	History	5	M Phil
Dr Nigamananda Das	English	21	M Phil
Dr Nigamananda Das	English	2	Ph D
KS Khandaytray	English	1	M Phil
Dr. P Howbora	Economics	3	M Phil
Dr Ranjan Kumar	Zoology	2	M Phil
Dr Sabita Borah	Zoology	2	M Phil
Ratna Chutia	Phil	2	M Phil
Dr K Bhuyan	Pol. Sc.	4	M Phil
S P Sharma	Chem	2	M Phil
D K Panging	Hindi	2	M Phil

13. Citation index of faculty members and impact factor:

(I) Surajit Bhuyan, Sr. Lecturer in Physics "Interaction of a laser beam with rotational lines of Nitrogen in the wave length region of 5700Å:

Applied Optics vol 46 No 23 date 10th Aug 2007: optical society of America, Impact factor 1.67, citation index : OCIS.

(II) DR. DEBOJIT BARUAH, SENIOR LECTURER IN BOTANY,

1. Biological spectrum of grasses and forbs in the crude oil spilled areas. Ind. J. Env. Health, 85(3),221-226. / Impact factor : 0.57
2. Distribution pattern of plant species as indicators of pollution stress condition., J. Ecotoxiol. & Env. Monit., 32,103-109,1993. / Impact factor : 0.7
3. Impact of crude oil on seed germination of French bean (*Phaseolous vulgaris*), Ind. J. Pollut. Control, 10(2),139-144,1994. / Impact factor : 0.6
4. Phenology of some weeds of different winter agricultural fields in Majuli, Assam, Ind. J. Ecol., 21(2), 99-102, 1994. / Impact factor : 0.5
5. Biological spectrum of herbaceous community in and around of a blowout oil well., Pollut. Research, 14(1),105-112,1995. / Impact factor : 0.8
6. Botanical composition and application of Raunkiaers law of frequency in the oil spilled areas of Rudrasagar and Lakwa oil fields of Sibsagar district of Assam.,J. of Environ. Biol.,4,299-304,1996. / Impact factor : 1.30
7. Response of a herbaceous community to crude oil polluted environment., Pollut. Res., 14(4), 423-428,1995. / Impact factor : 0.5
8. Phenology of some weeds of different winter agricultural fields in Majuli, Assam, Ind. J. Ecol., 21(2), 99-102, 1994 / Impact factor : 0.6
9. Vegetation of oil fields in Sibsagar, Ind. J. Env. Health.,38(1),47-50,1996. / Impact factor : 0.57
10. Seasonal variation in leaf area index of two dominant species of a herbaceous community., Bull. Life Sci.,5,41-44,1995. / Impact factor : NA
11. Soil pollution by crude oil- a review., Ind. J. Publ. Health Eng.,1,20-23,1996. / Impact factor : NA
12. Effect of crude oil pollution on species composition, biomass and production of a herbaceous community in Lakwa oil fields of Assam (India)., International Journal of Ecol. & Env. Sci,22,95-100,1996. / Impact factor : 1.5
13. Impact of crude oil pollution on species number and standing herbaceous crop biomass., Environmentalist.,16,291-295,1996. / Impact factor : 1.96
14. Present status of aquatic fauna in the upper stretches of the river Brahmaputra., Bull. Of Life Sci.,6, 25-33,1996. / Impact factor : NA
15. Phytoplankton composition and their productivity in the upper stretches of river Brahmaputra.,Bull. Life Sci.,6,53-58,1996. / Impact factor : NA

16. Botanical composition, frequency ,density and phenology of herbaceous community in four different chars of river Brahmaputra, Assam, India,Bull. Life Sci.,vol.6,33-40,1996. / Impact factor : NA
17. Phytosociological attributes of plants in crude oil spilled areas of Rudrasagar oil fields of Assam, India., Chemical & Env. Research,1-2,41-51,1997. / Impact factor : 0.9
18. An Experimental studies of soil conservation using herbaceous plants in Majuli island, Assam, India, The Environmentalist.,20,19-27,2000. / Impact factor : 1.96
19. Effect of crude oil pollution on environment, species number, biomass and productivity following accidental blowout of an oil well in a simple terrestrial ecosystem, Nat. Environ. & Pollut. Tech.,vol.5,no.3, 477-482,2006. / Impact factor : 1.41
20. Soil physico-chemical properties and quantitative analysis of a herbaceous community following blowout of an oil well, Nat. Environ. & Pollut. Tech., vol.6, no.2, 2006. / Impact factor : 1.41
21. Pre impact studies of the 2000MW lower Subansiri dam on certain hydrological aspects of down stream of river Subansiri with special reference to plankton and fishes. Communicated.2007 / Impact factor : NA
22. Primary Productivity and Status of River Dolphin, *Platanista gangetica* in the Down Stream of Subansiri River : A Pre Impact Study of 2000 MW Lower Subansiri Dam. Communicated.2007. / Impact factor : NA

(III) DR. (MS) SABITA BORAH, SENIOR LECTURER IN ZOOLOGY,

1. Comparative studies on LDH in heart,liver and muscle of vertebrate of different habitat.,vol.1,1-7,1991. / Impact Factor : NA
2. Rogor toxicity to the liver in fresh water teleost *Heteropneustes fossilis* (Bloch).,Bull. Pure and Applied Sci.,13A(1),35-39,1994. / Impact Factor : 0.67
3. Endosulfan induced metabolic alterations in the muscle of fresh water fish *Heteropneustes fossilis* (Bloch), GEOBIOS,21,289-293,1994. / Impact Factor : 0.84
4. Effect of starvation of myfibriller ATPase activity of protein, free amino acid and collagen characterstics in the muscle of teleost *Heteropneustes fossilis*., Bull. Life Sciences,IV,29-36,1994. / Impact Factor : NA
5. Effects of dilute dimethoate on certain biochemical parameters of fresh water fish *Heteropneustes fossilis* (Bloch), Proceedings, National Seminar on Recent Advances in Life Sciences, 1(1),1-8,1994. / Impact Factor : NA
6. Alteration in protein, free aminoacids,nucleic acids and carbohydrate contents of muscle and gill in rogor exposed freshwater fish *Heteropneustes fossilis* (Bloch,)Pollution Research,14(1),99-103,1995. / Impact Factor : 0.5

7. Static bioassay and toxicity of two pesticides, rogor and endosulfan to air breathing fish *Heteropneustes fossilis* (Bloch) with special references to behavior, Pollution Research, 15(3), 435-438, 1995. / Impact Factor : 0.5
8. Biochemical and haematological response to starvation in an airbreathing fish *Heteropneustes fossilis* (Bloch), Ind. J. Fisheries, 43(4), 307-311. / Impact Factor : 0.58
9. Effects of rogor (30% w/w dimethoate) on the activity of LDH, Acp and Alp in muscle and gill of fresh water fish *Heteropneuste fossilis* (Bloch), J. Env. Biol., 8, 20-26, 1996. / Impact Factor : 1.1
10. Impact of lethal concentration of Assam petroleum crude oil in the muscle of freshwater teleost *Heteropneustes fossilis* (Bloch): A biochemical study., J. Fresh Water Biol., 8, 20-26, 1996. / Impact Factor : 0.78
11. Respiratory and haemoglobin response to starvation in a freshwater teleost *Heteropneustes fossilis* (Bloch), Bull. Life Sci., vol-VI, 41-46, 1996. / Impact Factor : NA
12. Effect of petroleum oil on biochemical constituents and enzyme activity in kidney and liver tissues of freshwater teleost fish *Heteropneustes fossilis* (bloch), Nat. Env. and Pollut. Tech., vol. 4, No.2, 227-232. / Impact Factor : 0.8
13. Changes in Respiratory metabolism in a tropical freshwater fish *Heteropneustes fossilis* (bloch) due to petroleum crude oil toxicosis., Nat Env. and Pollut. Tech., vol.4, no.3, 469-472, 2005. / Impact Factor : 1.41
14. Haematological and Respiratory anomalies in the freshwater fish *Heteropneustes fossilis* (bloch) exposed to crude oil., J. Ecotoxicol and Env. Monit., 16(3), 285-289. 2006. / Impact Factor : 0.8
15. Effect of Pollutants on RNA-DNA Ratio as an index of the stress in the cat fish *Heteropneustes fossilis* (bloch), J. Ecotoxicol and Env. Monit., 16(6), 577-580, 2006. / Impact Factor : 1.41

14. Honours / Awards to the faculty: Rajiv Gandhi National Integration

Award to Dr. M. Pandit, Principal.

15. Internal resources generated:

- | | |
|---|----------------|
| (a) Income from Computer Course | - Rs. 12,000/- |
| (b) Income from Career oriented Courses | - Rs. 12,000/- |
| (c) Income from rented rooms | - Rs. 6,000/- |

Rs. 30,000/-

16. Details of departments getting SAP, COSOST / DST, FIST etc. assistance / recognition: NIL.
17. Community Services:
- a) Health camp and blood grouping camp in tribal villages.
 - b) Flood relief goods distributed in Lakhimpur and Dhemaji Districts.
 - c) Food preservation camp.
 - d) Adult education camp.
 - e) Sapling Distribution.
 - f) Nursery training workshop.
 - g) Plantation in college campus and villages.
18. Teachers and officers newly recruited: One teacher for the deptt. of History.
19. Teaching – Non teaching staff ratio: 72 : 33
20. Improvements in library services: Books and Journals for the central and departmental libraries.
21. New Books / Journals subscribed and their value: 600 Books – Rs. 2,20,000/-
22. Courses in which student assessment of teachers is introduced and action taken student feedback: Process initiated to introduce students assessment of teachers in all subjects and fulfill their grievances.
23. Unit cost of Education: 2006-2007 – (Including salaries of teachers/employees) Rs. 15,242/-
(Excluding salaries of teachers/employees) Rs. 11,200/-
24. Computerization of administration and the process of admissions and examination results, issue of certificates: Yes, Computerized.

25. Increase in the infrastructural facilities: Extension of Science Block, Deptt.s of Anthropology and Geography.
26. Technology Upgradation:
- a) SOUL software installed in the Central Library.
 - b) Proposal of establishing a computer lab has been placed with 4th JAT Regiment.
 - c) Renovation of the website of the college to <http://www.lakhimpur.nic.in/lgcollege>
 - d) Laboratory of Food and Nutrition, Fishery and Information and Computer Technology established.
27. Computer and Internet access and training to teachers and students: Facility Available.
28. Financial aid to students: Four kinds of Govt. Scholarships and five incentives scholarships are given to the students.
29. Activities and support from the Alumni Association: NIL
30. Activities and support from the Parent – Teacher Association: Donations of rupees One Lakh Forty Five Thousand Five Hundred only.
31. Health services: Health services have been Improved.
32. Performance in sports activities: All students participated in the sports week organized between 2nd to 6th January 2007.
33. Incentives to outstanding sports person: Prizes and Medals. Sports Quota for sports person in admission.
34. Students achievements and awards:
- a) Late Radhika Devi Memorial Scholarship merited for securing highest aggregate mark in Higher secondary Examination from the college.
 - b) Late Mofizur Rahman Borua Memorial Scholarship merited for securing highest marks in English in Higher secondary

Examination from the college and getting admitted to TDC First Year of the College.

- c) Janaki Devi Memorial Scholarship merited for securing highest marks in the last annual examinations.

35. Activities of the Guidance and Counseling Cell: Two Counseling sessions for career advancement have been conducted during the session.

36. Placement services provided to students: NIL.

37. Development Programmes for non-teaching staff: Loans have been provided from Thrift society of the college.

38. Healthy practices of the institution: Regular Curricular and Co-curricular activities have been organized.

39. Linkages developed with National / International Academic / Research bodies: NERDP (National Educational Research Development Programmes) and INFLIBNET Ahmadabad.

40. Any other relevant information the institution wishes to add: Three Examination Zones have been established in the college (Two by Dibrugarh University and by Assam Higher Secondary Education Council)

41.

Part C: Detail the Plans of the institution for the next year.

Plans for the next year has been decided in the staff council meeting held on 13th August 2007 and the same has been passed by planning forum as given below:

- i) Seminars / workshops on conferment of autonomous college status.
- ii) Seminars by the Departments of Botany, Zoology and Assamese.
- iii) Seminars by IQAC on Best Practices Promotion.
- iv) Infrastructure development works
- v) Performances related to indoor, outdoor games.
- vi) Physical exercises literary competitions etc.

- vii) Community development programmes
- viii) Cleanliness and immunization drive in surrounding areas
- ix) Improvement of drinking water and sanitary facilities.

Mr. Madhab Rajkhowa.

Dr. Manoranjan Pandit.

Dr. Nigamananda Das

Name and signature of the coordinator, IQAC

Name and signature of the Chairperson, QAC