

**THE ANNUAL QUALITY ASSURANCE REPORT (AQAR)  
2008-09  
INTERNAL QUALITY ASSURANCE CELL**

**SUBMITTED TO  
THE DIRECTOR  
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
BANGALORE**

**LAKHIMPUR GIRLS' COLLEGE  
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**The Annual Quality Assurance Report (AQAR) of the IQAC  
For the Year 2008-09**

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## The Annual Quality Assurance Report (AQAR) of the IQAC

Name of the Institution:

**Lakhimpur Girls' College**

Year of Report:

**2008-09**

### Part A:

#### 1. Plan of Action chalked out by the IQAC in the beginning of the year towards quality enhancement:

- To hold Seminars/Workshops by various departments/IQAC:
- Infrastructure Development Works
  - a. Implementation of the DST-FIST Programme.
  - b. Extension of the New Science Building to be started.
  - c. The DST sponsored Computer Laboratory to be completed
- Performances related to indoor, outdoor games
  - a. To hold a symposium on Yoga.
- To hold Literary competitions and symposiums
- To undertake Community Development Programmes
- To organize Cleanliness and immunization in surrounding areas
- To take steps for improvement of drinking water and sanitary facilities
- Continuation of Remedial Coaching Classes for students belonging to ST/SC and Minority Communities
- Field works to be conducted by various departments

#### 2. The outcome achieved by the end of the year:

- i. Seminars/Workshops by various departments/IQAC:
  - NAAC sponsored National Seminar on '**Best Practices Promotion Through Social Works**' was organized by IQAC on the 12<sup>th</sup> and 13<sup>th</sup> September, 2008.

- UGC-NERO sponsored National Seminar on “**Recent Aspects on Environmental Studies**” was held on the 12<sup>th</sup> and 13<sup>th</sup> of September, 2008.
  - 36 in-house seminars were organized by the various departments.
  - Remedial Coaching Classes for students belonging to ST/SC and Minority Communities have been conducted.
  - Field works were conducted by various departments
- ii. Infrastructure Development Works
- Renovation works of the college building damaged due to devastating flood initiated.
  - Extension of the New Science Building initiated.
  - The DST sponsored Computer Laboratory completed.
  - Implementation of the DST-FIST Programme initiated.
- iii. a. A symposium on “importance of Yogic Practices for Health and personality Development of Students” was held in collaboration with Azad Heath Club.
- iv. Kobi Sanmilan (Symposium of Poets) was organized on the 11<sup>th</sup> Nov, 2008 in collaboration with the North Lakhimpur Branch of Asom Sahitya Sabha.
- v. The Annual Cultural Evening, Jonaki mel was held on the 24<sup>th</sup> October, 2009 in collaboration with Nata Sainik, a dramatic society of Lakhimpur.

### **Part B:**

1. Activities reflecting the goals and objectives of the institution:
  - a. Two career oriented courses have been introduced specifically suitable for girls.
  - b. Remedial courses were offered for the benefit of the ST/Sc, Minority and economically poor students.
2. New academic programmes initiated (UG and PG):
  - a. Certificate Courses on Fashion Designing and Dietetics have been introduced.
3. Innovations in curricular design and transaction: No
4. Inter-disciplinary programmes started: No
5. Examination reforms implemented: No
6. Candidates qualified: NET/SLET/GATE etc. No applicable

## 7. Initiative towards faculty development programme:

- a. Number of teachers who attended Orientation/Refresher Course: 9
- b. Number of Seminars/Workshops attended by the faculty members: 10

## 8. Total number of seminars/workshops conducted:

- a. National/State Level: 2
- b. In-house Seminars: 36

## 9. Research projects

- a) Newly implemented/ongoing:

**Major Projects:****Name of Investigator: Title of Project**

- i. Dr. Debojit Boruah: “Present environmental and biodiversity status of the downstream of Subansiri river basin, riparian zone and forest: A pre impact assessment of the 2000 mw lower Subansiri dam”
- ii. Dr. Sabita Bora: “Status of cold water hill stream and ornamental fishes in the downstream of river Subansiri before regulated by 2000 MW hydel project in the North East India”

**Minor Projects:****Name of Investigator Title of Project**

- i. Dr. M. Pandit - Supplement Programme Activities: Development Assistance Activities of the Different Political parties of Lakhimpur District of Assam, N.E. India
- ii. Mr. K. S. Khandayatray- T.S. Eliot’s Influence on Navakanta Barua
- iii. Mrs. Bornali Phukan - Historical Writings of Benudhar sarmah – A study
- iv. Dr. Bubul Kr. Saikia - Students’ Evaluation using Soft Set Theory and Intuitionistic Fuzzy Soft Set Theory
- v. Dr. H.M.A. Shahid --- Surface Runoff and ground water level fluctuation and its impact on human habitant on lower Ranga river basin

- vi. Mr. Mridul Buragohain- Quality assessment of groundwater in Dhemaji District of Assam with special reference to arsenic.

b) Completed: **Minor Projects:**

**Name of Investigator: Title of Project**

- i. Mr. Lohit Hazarika - “Environmental Changes affecting the tribal – A case study of Missing tribals of Lakhimpur
- ii. Dr. Ranjan Kumar – “Endocrine control of growth, Protein metabolism and bio-energetic in a fresh water fish *Mystus vittatus* (Bloch).
- iii. Dr. Manoranjan Pandit: “Impact of Immigration on the Politics of Assam
- iv. Mr. Surajit Bhuyan: “ Study on the interaction of a laser beam with the absorption lines of different molecules.
- v. Dr. Sabita Bora: “Ethno Zoological Aspects of faunas of Lakhimpur district of Assam of NE India”
- vi. Mrs. Swapna Chetia Gogoi:”Asamor Nepali Samaj: Uttar Lakhimpur Mahakuma Bhattit eti Bhasha Tatwik adhyayan”

10. Patents generated, if any: No

11. New collaborative research programmes: No

12. Research grants received from various agencies:

Name of Faculty	Granting Agency	Amount of Grant
M. Pandit,	UGC,	Rs. 1,10,000/
Dr. B.K. Saikia	UGC,	Rs. 65,000/
Mrs. Bornali Phukon	UGC,	Rs. 65,000/
Mr. Mridul Buragohain	UGC,	Rs. 1,70,000/

13. Details of research scholars:

(i) Teacher Scholars:

Name of Teacher	Department	Status
Dr. Sabitri Saikia Kakoti	Chemistry	Ph. D. Degree Awarded
Dr. Bhupen Chutia	English	Ph.D. Degree Awarded

Mr. Surajit Bhuyan	Physics	Submitted
Mr. Lohit Hazarika	Anthropology	Submitted
Mrs. Minati Bora	Zoology	Ongoing
Mr. Hiranya Sabhapandit	Assamese	Ongoing
Mr. Mridul Buragohain	Chemistry	Ongoing

(ii) Research Scholars under the supervision of the Teachers of the College

Sl. No.	Supervisor	Deptt.	No. of Scholars	Level
1	Mr. H. K. Bora	Pol. Science	6	M. Phil
2	Dr. A.K. Dutta	Pol. Science	1	M. Phil
3	Dr. K. P. Gogoi	History	5	M. Phil
4	Mr. K.S. Khandayatray	English	4	M. Phil
5	Dr. B.K. Saikia	Mathematics	3	M.Phil

14. Citation index of faculty members and impact factor:

**Dr. Bubul Kr. Saikia**

1. Application of Fuzzy Logic in Modeling river catchment, *Proceedings of the National seminar on Mathematical Modelling* (2008)139-151,Dibrugarh Uni.
2. Roughness in Lattices,*JAAM* (accepted)(2009)

**Dr. Bhupen Chutia**

1. Diasporic Concerns: A Study of A House for Mr. Biswas *Dibrugarh University Journal of English Studies. No. 16.* Dibrugarh University: Department of English.

**Mr.Surajit Bhuyan**

1. Interaction of a 4  $\mu\text{m}$  laser beam with absorption lines of sulphur dioxide, *Indian Journal of pure and applied Physics, Vol. No. 46* (671-674) (2008).

**Dr. Debojit Boruah**

1. A statistical overview of some hydrobiological parameters of river Subansiri. *Proceedings of National Seminar on Wetlands and Livelihoods*, India, pp. 99-105, 2008.

2. Pre dam investigation on the ornamental fishes of down stream of Subansiri River basin. ***Proceedings of National Seminar on Wetlands and Livelihoods, India***, pp.158-164, 2008.
3. Life form pattern of vascular hydrophytes in the down stream floodplain of river Subansiri prior to the construction of a large dam. ***Proceedings of National Seminar on Wetlands and Livelihoods, India***, pp.153-157, 2008.
4. Probable down-stream impact of 2000 MW Lower Subansiri Dam in Arunachal Pradesh of NE India. ***J. Nat. Env. & Pollution Technology***. 2008 (in press).
5. A critical analysis of the environment impact assessment report of the 2000 MW Lower Subansiri Hydroelectric Project with special reference to the down steam ecology and people's livelihood. ***Journal of Environmental Science and Engineering***. 2009 (in press)
6. Pre impact studies of the 2000 MW lower Subansiri dam on certain hydrobiological aspects of down stream of river Subansiri with special reference to plankton and fishes. ***J. Nat. Env. & Pollution Technology***, 2009 (in press)
7. Pre-damming investigation on river morphology and river bed sediment composition of the downstream of subansiri river, Assam, Rivers and Streams of North East India, ***Rivers and streams of North-East India: Ecology Biodiversity and conservation - Ministry of Environment & Forest, Govt. of India.(Edited Book, in press)***
8. Status and functional role of some giant riparian amphiphytes in the Subansiri river ecosystem of North East India, Rivers and Streams of North East India, ***Rivers and streams of North-East India: Ecology Biodiversity and conservation - Ministry of Environment & Forest, Govt. of India.(Edited Book, in press)***

**Mr. Mridul Buragohain**

1. Fluoride, arsenic and iron in ground water in Dhemaji district, Assam, ***Enviro Spectra, J. Soc. Env. Prot. Edu. Res. (SEPER) 3(1): 2008, pp.6-15.***
2. Co-relation between Present health status and Drinking water quality in Dhemaji district of Assam, India, ***Proceedings in Environmental Sciences section, pp.102 ( 96<sup>th</sup> Indian Science Congress, 2009, NEHU, Shillong.)***
3. A study on the quality of drinking water in the Dhakuakhana sub-division of Lakhimpur district, Assam, India, ***International Journal of Chemical Sciences, 7(2). 2009, pp.1143-1152.***
4. Distribution of water quality parameters in Dhemaji district, Assam, India, ***J. Env. Sci. Eng. (NEERI): 2009*** (accepted).
5. Seasonal distribution of trace metals in groundwater of Dhemaji district, Assam, India, ***Int. J. Chem.Tech. Research, CODEN (USA): IJCRGG: ISSN: 0974 - 4290, 2009, 1(4), pp. 1014-1021***

**Mr. Siba Pd. Sarma**



1. A study on the quality of drinking water in the Dhakuakhana sub-division of Lakhimpur district, Assam, India, **International Journal of Chemical Sciences**, **7(2)**, 2009, 1143-1152.

**Dr.Sabitri Saikia Kakati**

1. Water quality index of drinking water of Lakhimpur district, Assam,India, **Pollution Research** (2009) (accepted).
2. Arsenic content in drinking water of Lakhimpur district, Assam and its impact on human health, **International Journal of Chemical Sciences**, **7(2)**, 2009,pp.1177-1184.
3. Bacteriological study of drinking water in the Lakhimpur District, Assam, India, **Pollution Research 27 (1)**, 2008, pp 157-160.

**Dr. Sabita Bora**

1. Fish diversity and their preferential habitats of Subansiri flood plain in North East India, Hydroelectric project and conservation needs, **Rivers and streams of North-East India: Ecology Biodiversity and conservation - Ministry of Environment & Forest, Govt. of India.(Edited Book, in press)**.
2. Ornamental fishes from hiull stream channels of Subansiri drainage system of Assam North East India, Potential for the aquarium fish trade and conservation issues. **Rivers and streams of North-East India: Ecology Biodiversity and conservation - Ministry of Environment & Forest, Govt. of India. (Edited Book, in press)**.

15. Honors/Awards to the faculty:

- a. Faculty Member recognized as Reviewer of Research Journals

Name of Teacher	Journal
Dr. Debojit Boruah	1. Science on Total Environment (Elsevier) 2. River Research and Applications (Wiley)

- a. Recognised as Thesis Examiner:

Name of Teacher	University
Dr. Basanti Dihingia	Department of Home Science, Bhagalpur University

16. Internal resources generated:

a. Income from Career Oriented Courses:	Rs. 15,000/
b. Income from Hostel Seat Rent:	Rs. 4,80,000/
c. Income from fishery:	Rs. 6,000/
d. Income from Reprography Facilities:	Rs. 10,000/
e. Income from the Canteen Rent:	Rs. 6,000/

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Total: Rs. 5, 17,000/

(Rupees Five Lakh and Seventeen Thousand) only

17. Details of departments getting SAP, COSIST (ASSIST)/DST. FIST, etc assistance/recognition:

Assistance	Department
DST (NER) SPECIAL PACKAGE under FIST Programme (19), 2008	Physics, Chemistry, Botany, Zoology

18. Community services:

- A Flood-Relief Camp was organized on 23<sup>rd</sup> August, 2008 in the flood affected areas of Panigaon, North Lakhimpur.
- A Cleaning cum Awareness Programme was organized in the surrounding areas of the college on 20<sup>th</sup> of December, 2008 under the initiative of the Community Development Cell..

19. Teachers and officers newly recruited: no

20. Teaching – Non-teaching staff ratio: 69:33

21. Improvements in the library services: Completion of Indexing and Cataloguing

22. New books/journals subscribed and their cost:

Item	No	Cost
Total Books	288	Rs. 86,770/
Journals & Periodicals Subscribed	10	Rs. 7,300/

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

All subjects of B.A./B.Sc. ( Major and general) courses. The 3<sup>rd</sup> Year students are asked to submit feedback reports. A few faculty members were asked to participate in Orientation and Refresher courses for improvement of Professional Proficiency.

24. Unit cost of education for the year 2008-09:

- a. inclusive of salaries of teachers and employees: Rs. 28,540/
- b. exclusive of salaries of teachers and employees: Rs. 3138/

25. Computerization of administration and the process of admissions and examination results, issue of certificates:

**Financial Administration, Process of Admissions and Elections for Students' Bodies are computerized.**

26. Increase in the infrastructural facilities:

- i. Extension and Renovation of Science laboratories
- ii. Extension of Classrooms
- iii. Extension and Renovation of toilet Blocks
- iv. Construction of Fee Counter
- v. Completion of the Second Floor of the Hostel with 80 seats.

27. Technology upgradation:

- a. Block Technology Centre under the District Administration has been established.
- b. Routine Renovation of the college website carried out.

28. Computer and internet access and training to teachers and students: Setting up of Computer Lab for students and teachers

29. Financial aid to students:

- a. Aid to Economically backward Students from Students Aid Fund: 13 students
- b. Incentive Scholrships: 5 students

31. Health services:

- a. Regular health check up by local physicians are being conducted,
- b. Heath related awareness programmes are being organized.

## 32. Performance in sports activities:

The following students were offered N.C.C Certificate:

- i. Ms. Sehnaz Masum
- ii. Ms. Mousumi Bora
- iii. Ms. Joymoti Deori

## 33. Student achievements and awards:

1. Mrs. Devangini Boruwa Karan: 1<sup>st</sup> class 1<sup>st</sup> in English Major (with Distinction)
2. Ms. Tarun Kumari : 1<sup>st</sup> Class 3<sup>rd</sup> in Mathematics (With Distinction)

## 34. Activities of the Guidance and Counseling Cell: Regular workshops and counseling were held.

## 36. Placement services provided to students: Nil

## 37. Development programmes for non-teaching staff: Nil

## 38. Best practices of the institution:

- (a) Grouping of students on the basis of their competence in order to facilitate delivery of education.
- (b) Department of Botany is recognized as research centre.
- (c) Major Research projects are going in the departments of Botany and Zoology.
- (d) Laboratories of Physics, Chemistry and Mathematics are equipped with sophisticated instruments (provided by DST and UGC) capable of planning research works.

## 39. Linkages developed with National / International, academic / research bodies: Nil

## 40. Any other relevant information :

**Part C: Detail the plans of the institution for the next year.**

1. Holding a UGC sponsored National Workshop on Human Rights.

2. Holding a UGC sponsored national workshop on “Fuzzy Logic and its Application”.
3. Establishment of UGC Network Resource Centre
4. Upgradation of the bathroom and toilet facilities of the Hostel and the College
5. Augmentation of the number of hostel seats to 200
6. Organizing Community Development Programmes
7. Improvement of Drinking Water and Sanitary facilities
8. To propose establishment of a Community Radio Station

(Mr. Madhab Rajkhowa)

(Dr. Manoranjan Pandit)

(Dr. Bhupen Chutia)

Name & Signature of the Coordinator, IQAC

Name & Signature of the Chairperson, IQAC