

**THE ANNUAL QUALITY ASSURANCE REPORT (AQAR)
2009-10
INTERNAL QUALITY ASSURANCE CELL**

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

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The Annual Quality Assurance Report (AQAR) of the IQAC

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All accredited institutions shall submit the AQAR to the NAAC *by the end of every academic year* with emphasis on the following key result areas:

Year of Report: 2009-10

Part A:

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

- Holding a UGC sponsored National Workshop on Human Rights.
- Holding a UGC sponsored national workshop on “Fuzzy Logic and its Application”.
- Establishment of UGC Network Resource Centre
- Upgradation of the bathroom and toilet facilities of the Hostel and the College
- Fire Extinguishers installed in the college and hostel building.
- Augmentation of the number of hostel seats to 200
- Organizing Community Development Programmes
- Improvement of Drinking Water and Sanitary facilities
- To propose establishment of a Community Radio Station
- 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 department/IQAC:
 - UGC sponsored National Workshop on ‘**Human Rights**’ organized by IQAC on the 30th and 31st October, 2009.
 - UGC-NERO sponsored National Workshop on “**Fuzzy Logic and its Application**” was organized by the department of Mathematics in collaboration with Assam Academy of Mathematics, Guwahati on the 29th and 30th of January, 2010.
 - 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
 - UGC Networking Centre was established with financial assistance from UGC.
 - Ministry of Information and Broadcasting, Govt. of India is approached with a proposal for establishing a Community Radio Station within the college campus.
- ii. Infrastructure Development Works
- Renovation of the college building damaged due to devastating flood completed.
 - Reconstruction of a portion of the boundary wall damaged by flood.
 - Extension of the Hostel Building initiated to raise the number of seats to 200.
 - Construction of new approach road to college hostel.
 - Extension and renovation of the department of Home Science.
- iii. a. Gandhi Jayanti was celebrated in Asian Public School under the banner of Innovative Programme on Gandhian Thought of the college.
- iv. Purchasing of electronic boards and LCD projectors for Gandhian and Indira Gandhi Study Centres. (UGC)
- v. The Annual Cultural Evening, Jonaki mel was held on the 22th October, 2010 in collaboration with Nata Sainik, a dramatic society of Lakhimpur.

Part B:

1. Activities reflecting the goals and objectives of the institution:

- Lakhimpur Girls' College is committed to offer interactive Teaching and Learning through maximum use of Audio-visual technologies in order to make learning "student-centred".
- Regular parents-guardians meetings are held to share experiences and expectations.
- Remedial courses for SC/ST and Minority students.
- Promotion of research among the faculty members in the form of minor/major/research projects, seminars, and workshops.
- Extension activities through NSS, NCC and various forums.
- Value based education under the guidance of Community Development Cell and the Gandhian Study Centre.
- Publication of college magazines, bulletin and departmental wall magazines to encourage the creative writing skills of the students.
- Award for advanced learners, free admission for economically backward students.
- Feedback from Students for better delivery of education and other services.
- 2 National Environmental Awareness Campaign Programmes were conducted by the deptt of Zoology and Botany under the supervision of the Ministry of Environment and Forest, Govt. of India on the theme "Climate Change".

2. New academic programmes initiated (UG and PG) : Nil

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

7. Initiative towards faculty development programme: **Service Book**

a. Number of teachers who attended Orientation/Refresher Course: 7

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: 34

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. K.P. Gogoi - Tourism Scenario in Assam: Potential, Problem and prospect with special reference to Lakhimpur and Dhemaji Districts.
- ii. Mrs. Bonti Gogoi Howbora- Women in Conflict and Violence
- iii. Mrs. Nabami Bhuyan – Comprehensive study on the forest goods and their services to the people of fringe area of Kakoi Reserve Forest of Lakhimpur District, Assam

- iv. Dr. Sabitri Saikia kakoti – Study of Drinking Water Quality in some tribal villages of Dhakuakhana sub-division of Lakhimpur District, Assam
- v. Mrs. Malobika Chaliha - Investigation on the Status and Functional Values of Riparian Wetland as well as Native Aquatic Plants of Lakhimpur District, Assam

b) Completed:

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.

10. Patents generated, if any: No

11. New collaborative research programmes: Lakhimpur Girls' College is collaborating with the following Institutions/Organisations/NGOs in conducting various courses and academic activities : IGNOU, KKHSOU, Assam Science Society, Assam Academy of Mathematics, Botanical Society of Assam, Asom Sahitya Sabha, NL Branch, Green Heritage and Azad Health Club.

12. Research grants received from various agencies:

Name of Faculty	Granting Agency	Amount of Grant
Dr. K.P. Gogoi,	UGC,	Rs. 12000/
Mrs. Bonti Gogoi Howbora-	UGC,	Rs. 1,25,000/
Dr. Sabitri Saikia kakoti –	UGC,	Rs. 1,60,000/
Mrs. Nabami Bhuyan	UGC,	Rs. 1,44,000/
Mrs. Malobika Chaliha	UGC	Rs. 1,55,000/

13. Details of research scholars:

(i) Teacher Scholars:

Name of Teacher	Department	Status
Dr. Surajit Bhuyan	Physics	Ph. D. Degree Awarded
Mr. Lohit Hazarika	Anthropology	Submitted

Mrs. Minati Bora	Zoology	Ongoing
Mr. Hiranya Sabhapandit	Assamese	Ongoing
Mr. Mridul Buragohain	Chemistry	Ongoing

14. Citation index of faculty members and impact factor:

TEACHERS WHO HAVE PUBLISHED PAPERS IN RESEARCH JOURNALS /
PROCEEDING/ BOOKS DURING 2009-2010

Dr. Bubul Kr. Saikia: Roughness in Lattices, Journal of the Assam Academy of Mathematics, Vol.1(2010),55-64.

Dr. Surajit Bhuyan Propagation of a 4 mm free electron laser beam through sulphur dioxide gas. Archives of Physics Research, Vol-1, No-3, 111-116,(2010).

Dr. Debojit Boruah 1. Ecological health assessment of river and stream. Proceedings of UGC sponsored National workshop: Field work in environmental studies. pp. 32-37.,2010.

2 Pre-Impact studies of the 2000MW lower Subansiri dam on certain aquatic environmental aspects of down stream of River Subansiri with special reference to plankton and fishes. Nature Environment & Pollution Technology., vol.8:4, 283- 291,2010

3. A statistical overview of certain physico-chemical properties of Subansiri River in NE India. *J. Ecology Environment and Conservation*. 16(2),313-318, 2010

4. Status, distribution and conservation threats of Ganges River Dolphin *Platanista gangetica gangetica* Roxb in Subansiri River, North East India. *Nat. Pollut. & Env. Technology* 9(4) :791-798,2010

Dr Sabitri Saikia Kakati:1.“Assessment of major anion level of water sources used for domestic purposes in the tribal villages of Dhakuakhana Sub-Division of Lakhimpur district of Assam by Sabitri Saikia Kakati,accepted for publication in *International Journal of Chemical Science*,8(2),2010,IJCS/10/1949.

2.“Assessment of water hardness used for domestic purposes in some tribal villages of Dhakuakhana Sub-Division, Lakhimpur district, Assam” by Sabitri Saikia Kakati, accepted for publication in *Nature Environment and Pollution Technology* 9(4),2010,B-1563.

(Rupees Five Lakh and Twenty Six 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:

1. A health Camp was organized by the college on awareness of Bysmenorrhoea (menstrual pain). Noted gynecologist Dr. Arup Kr. Dutta gave valuable suggestion. 23rd August 2009

2. One day training Camp for Mathematics Olympiad organized by department of Mathematics, Lakhimpur Girl's College and Assam Academy of mathematics.

23rd August 2009

19. Teachers and officers newly recruited: Nil

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

21. New books/journals subscribed and their cost:

Year	No	Cost
Books	536	Rs. 148359.00
Journals	16	Rs. 4661.00

22. 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 3rd 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.

23. Unit cost of education for the year 2009-10:

a. inclusive of salaries of teachers and employees: Rs. 29,357/

b. exclusive of salaries of teachers and employees: Rs. 3,226/

24. 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.

25. Increase in the infrastructural facilities:

- Renovation of the college building damaged due to devastating flood completed.
- Reconstruction of a portion of the boundary wall damaged by flood.
- Extension of the Hostel Building initiated to raise the number of seats to 200.
- Construction of new approach road to college hostel.
- Extension and renovation of the department of Home Science.

26. Technology upgradation:

The college has acquired a number of sophisticated equipments under the DST-FIST Programme. Noteworthy among them are – Bacteriological Chamber, Digital BOD Incubators, Rotary Microtome, Deep Freezer, Hot Air Oven, Distillation Unit, Laminar Flow, GPS, Soil and Water Testing Kit, Kjeldahl Distillation Plant, Shaking Machine, UV-VIS Spectro-photo-meter, Muffle Furnace, Anderson Bridge with head phone & Oscillator, Craft's trinocular research Microscope with 35 mm SLR camera for microphotography, LCD Projector, Laptop etc.

27. Computer and internet access and training to teachers and students: The college is trying its best to provide computer and internet facilities to the teachers and students.

28. Financial aid to students:

Aid to Economically backward Students: 100 students were provided with scholarship from Students' Aid Fund.

29. Support from the Alumni Association and its Activities : Nil

30. Support from the Parent-Teacher Association and its Activities: The annual Parent – Teacher Meet provides valuable inputs for the College.

31. Health services:

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

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

33. Placement services provided to students : Nil

34. Development programmes for non-teaching staff : Nil

35. 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, Zoology and Political Science.
- (d) Laboratories of Physics, Chemistry and Mathematics are equipped with sophisticated instruments (provided by DST and UGC) capable of planning research works.

36. Linkages developed with National / International, academic /research bodies: Lakhimpur Girls' College has initiated collaboration with the following institutions/organizations/NGOs in conducting research:

1. **IGNOU**
2. **Green Heritage, an NGO**
3. **Regional Rice Research Institute (Under Assam Agricultural University)**
4. **Assam Science Society**
5. **Vinayak Missions University**
6. **Global Open University, Nagaland**
7. **Singhania University**

37. Any other relevant information :

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

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

- Holding a UGC sponsored National Workshop on “Ecological and Socio-Economic Consequences of Large Dams”.

- Establishment of Gandhian Study Centre and Indira Gandhi Study Centre
- Upgradation of the bathroom and toilet facilities of the Hostel and the College
- Augmentation of the number of hostel seats to 220
- Organizing Community Development Programmes
- Improvement of Drinking Water and Sanitary facilities
- To establishment of a Community Radio Station
- Continuation of Remedial Coaching Classes for students belonging to ST/SC and Minority Communities
- Field works to be conducted by various departments

(Mr. Madhab Rajkhowa)

Name & Signature of the Coordinator, IQAC

(Dr. Manoranjan Pandit)

Name & Signature of the Chairperson, IQAC

(Dr. Bhupen Chutia)

Name & Signature of the Coordinator, IQAC