

**THE ANNUAL QUALITY ASSURANCE REPORT
OF
ARYA VIDYAPEETH COLLEGE**

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**FOR THE SESSION
2007-2008**

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ABOUT THE COLLEGE

Arya Vidyapeeth-a chain of educational Institutions starting from primary level to PG level was born out of the missionary zeal and relentless efforts on the part of a team of visionaries, the prominent worker being Late Giridhar Sarma. Luminaries like Mahendra Mohan Choudhury (Ex-Chief Minister of Assam and Governor of Punjab), Prof. Radha Kanta Das, a prominent mathematician of the region, educationist Sarat Chandra Goswami and some other leading citizens were involved in this endeavor.

The first step towards establishing this 'Nalanda' was taken in 1952 by opening the 'Arya Pathshala' in the Rehabari area of the then Gauhati (now, Guwahati). After that, there was no looking back.

The Arya Higher Secondary and Multipurpose School and subsequently, the Arya Vidyapeeth College came up at a low lying plot at the outskirts of the then southern Gauhati known as 'Sharab-Bhati' (meaning : a place where country liquor is made) in 1958. Sharab-Bhati was a backward area inhabited by a down-trodden and cosmopolitan distribution, features which have gained upliftment and predominance over the years.

'Arya Vidyapeeth' got the whole hearted patronage of many irrespective of their economic status. 'Arya Vidyapeeth' in turn till today and shall always, acknowledge with gratitude the acts of even a poor Bihari milkmaid, 'Tulsi Gowalini' who handed over her savings to GiridharSarma for the sake of the Institution, let alone donors like Santokh Singh, Gajendra Das or Md. Taleb Ali.

Although the College came into existence on 29th July 1958, it secured deficit grants from the Govt. of Assam for the Arts Stream in 1961. And in 1962, the Science Stream came into existence with as many as eight departments at one go. Within the very first decade of its existence, barring Statistics, all the other UG Courses were enhanced to the Honours level. By 1971, PG was opened in Mathematics.

Soon Arya Vidyapeeth College became a well-known Centre of Higher Education in Assam nay the entire North East region. This was possible only because of the indomitable entrepreneurship and administrative acumen of the then Principal, Giridhar Sarma and, the devotion and dedication of the patrons as well as faculty members and employees of the college. The vibrancy of the college should have been seen to be believed. There was a time when the Higher Secondary classes had to be divided into three sections. Even the Degree students who could not secure a seat in the class stood attentively to hear the lecture. The mission was on its track. The Ghost in 'Sharab-Bhati' was no more there.

Arya Vidyapeeth College has been the first in many cases amongst all the grants-in-aid colleges of Assam in areas like opening up of PG Courses in Mathematics as well as Honours in Economics. The college started COSIP and COHSIP Programmes way back in 1974. Perhaps no other GIA college in Assam had a UGC sponsored Non-Resident Student Centre, a Workshop, a Health Centre when they were operational in Arya Vidyapeeth. The college has its own Anthem which is also unique.

The corporatization of Arya Vidyapeeth College should have been seen to be believed. Old issues of 'Aryan' the annual college magazine shows graphical

representation of many shades like results, teachers' achievements, targets, modified master plans etc. something which we also see now in the compulsory requirements of the NAAC Guidelines. As a consequence of this thirst for excellence triggered off since then, one of our now retired colleagues, Dr. Nilamoni Phookan even got the prestigious 'Soviet Land Nehru' and the 'Padmashree' Award. Another teacher, Sri Lil Bahadur Chetri was conferred the 'Sahitya Academy' Award.

Arya Vidyapeeth College is a premier institution of higher education in the north bank of the Brahmaputra river in Guwahati city. Founded on August 5, 1963, the college has rendered pioneering services to the community by catering to the needs of the vast and extensive area inhabited predominantly by socially and economically backward segments of the population.

The Aryan Mission

Perspicuity towards realization of an academically balanced and developed society in Assam in particular, and the North East India in general.

The Aryan Vision

Arya Vidyapeeth College dreams of transcending itself into a leading and pioneering institution in the society for imparting quality and value based education which would enable its alumni to face the ever dynamic challenges of time with courage, confidence, conviction and success.

The path towards realization of the goals enlisted on our roadmap is no doubt rugged as we are concerned with the disadvantaged population of the society as well.

We are hopeful and determined, and shall ever remain committed.

GOALS OF THE INSTITUTION

1. To encourage students to identify their latent talent and potential.
2. To produce high stratum outputs from the low inputs.
3. To cater to the needs of academically disadvantaged students.
4. To equip the students with some value added courses.
5. To promote co-curricular activities amongst the students to develop healthy habits.
6. To mould students into ideal citizens and thereby fulfill social obligations.
7. To promote and develop research culture among the faculty members.
8. To introduce vocational courses in order to enrich the students for better Employment opportunities.

PART – A:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

A1. New Initiatives through IQAC

1. Plan and develop a dynamic College Website.
2. Plan to venture into the field of distance education.

A2. PERSPECTIVE PLAN FOR THE SESSION 2007-2008

1. To encourage the faculty members to take up project work, research activities and research publications.
2. To organize seminar and workshop for the development of the research community.
3. To monitor the tutorial classes taken by the faculty members.
4. To initiate for the IGNOU Convergence Scheme
5. To organize interdisciplinary lectures within the college.
6. To launch the College website.
7. To initiate construction of the second girls' hostel.

A3. OUTCOME AT THE END OF THE ACADEMIC SESSION 2007-08

i. Action taken during the session 2007-08

- a. Teacher's self-appraisal report and teaching plan have been used to obtain information like academic and teaching activities etc.
- b. The Best Department, Best Graduate of Gauhati University and Department toppers of Gauhati University have been felicitated and awarded.
- c. The annual budget was approved by the Governing Body and expenditures were made according to budget allocation. Besides government audit, the college also carried out internal audit.
- d. On the 49th Foundation Day of the college (29th July, 2007) the college website was inaugurated by the Vice Chancellor of Gauhati University Prof. Amarjyoti Choudhury.

ii. Activities of the Support Services

- a. Under the programme 'SRAMDAN' more than 30 NSS volunteers cleaned the college campus on the 20th of August, 2007.

Under the NSS banner a personality development programme was organized where renowned Counselor from the well-known counseling group 'Leadership Development, International' Sri Sunil Kumar Basumatary delivered a motivational lecture to the students on the 5th of August 2007.

Volunteers of the NSS unit participated in the world AIDS day rally and workshops on life skill education held at St. Anthony's college, Shillong and at Shilpagram, Kalakhetra, Guwahati.

- b. The EDC of the college conducted a workshop on 'Machine Tools' in the college workshop on 4th August 2007.
- c. The AVC career counseling unit deputed 68 students for participation in a campus recruitment drive conducted by TCS at Gauhati University campus in which 2 students were selected.

Campus interview was conducted by IBM, Gurgaon on 20th December 2007 in which 11 students were selected.

- d. The NCC cadets participated in the republic day parade and in a number of national level camps. The NCC unit of the college organized tree plantation drive, blood donation camp in the college campus and a traffic awareness campaign in the nearby Ulubari flyover during this session.

On the occasion of the 59th NCC day an 'ANNA DAN' programme was organized in the Sukleswar ghat area on 25th November, 2007.

- e. The Academic and Personal Counseling Cell aims to provide proper help and guidance in personal and academic matters. It tries to solve their academic, personal and family related problems.

iii. Student Feed Back

- a. All Major students take part in the mandatory feedback process
- b. The process of the feedback is carried out by the IQAC and the analysis of the same is done by a neutral body formed by the Principal.
- c. After analyzing the feedback the Principal of the college confidentially discusses it with the faculty members on a one to one basis. This gives the teachers a scope to develop themselves in the areas on which the feedback has been taken.

iv. Research activities

Faculty members are engaged in various research activities like pursuing for Ph.D. degrees, under taking Research Projects, writing research articles, paper presentations in seminars and conferences etc.

v. Inter disciplinary Lectures

The teachers of one department are invited to other departments to deliver lectures on various relevant topics

PART – B

B1. Activities Reflecting the Goals and Objectives of the Institution

a. Results

Pass percentage for TDC 3rd year (Major) students in 2007

Subjects	Pass Percentage
Anthropology (Science)	100
Anthropology (Arts)	100
Assamese	100
Bengali	100
Botany	100
Chemistry	87.50
Economics	92
Education	100
English	72.22
Geography	100
Geology	100
History	81.82
Mathematics	28.13
Physics	73.33
Political Science	70.83
Statistics	66.67
Zoology	100

b. IGNOU Convergence Scheme

Arya Vidyapeeth College is one of the institutions considered by the IGNOU as its partner institute to execute its convergence scheme. A total of 14 courses ranging from P.G, Degree, Diploma to Certificate courses are offered.

c. Academic activities and research

Dr. Jnanashree Borah of the Department of Geography and Dr. Saibal Sengupta of the Department of Zoology are actively involved in guiding research scholars. Under the guidance of Dr. Saibal Sengupta Mrs. Chhaya Roy Kundu have been awarded the Ph.D. degree.

Faculty members are engaged in various research activities. . One book with ISBN and a total number of 25 research articles and 8 other articles have been published by the faculty members during this period. Again there were 12 paper presentations in seminars and conferences and 18 attendances in seminars, workshops, conferences etc.

During this session 3 teachers have undertaken minor research projects.

d. Intellectual developments of students

Intra college quiz competition and a state level inter college debate competition has been held.

e. College Web Site

The college website has been inaugurated by the Vice Chancellor of Gauhati University Prof. Amarjyoti Choudhury on the 29th of July, 2007.

B2. New Academic Programmes Initiated

Arya Vidyapeeth College is one of the institutions considered by the IGNOU as its partner institute to execute the convergence scheme across the country. Enrollment enhancement, capacity building, proper utilization of infrastructure and strengthening of the conventional university and collegiate education system are some of the objectives to be perspired for by this new scheme which is conceived jointly by UGC, IGNOU, DEC and AICTE under the guidance of Ministry of Human Resource Development, New Delhi.

A total of 14 courses ranging from P.G, Degree, Diploma to Certificate courses are offered.

B3. Innovations in curricular design and transaction

Some of the faculty members are members of the university's syllabus committee (for degree courses) in their respective departments.

B4. Inter Disciplinary Programme Started

It is known that Interdisciplinary interactions in any Institution have a great role in deciding the future of any student on the path ahead in life.

The teachers of one department are invited to other departments to deliver lectures on various relevant topics.

B5. Examination reforms implemented

Unit tests, seminars, home assignments, group discussions are carried out. Guardians are handed over the progress of their wards annually or informed

before the final examinations. All these activities help the students in their future course of study and in their professional life.

B6. Candidates qualified: NET/SLET/GATE ETC.

Not applicable. However, students are counseled for opting better courses. Seminars are organized for these purposes and ex-students are invited to share their experiences.

B7. Initiative towards faculty development programme

DEPARTMENTS	COURSES ATTENDED UNDER		PUBLICATIONS (BOOKS WITH ISBN, RESEARCH ARTICLES, ARTICLES)			PAPER PRESENTED IN SEMINARS/ CONFERENCES ETC.	WORKSHOPS/ SEMINARS / CONFERENCES ETC. ATTENDED
	UGC	OTHERS	BOOKS WITH ISBN	RESEARCH ARTICLES	ARTICLES		
ASSAMESE	1		1	2	6	2	
ANTHROPOLOGY	2			1		1	
BENGALI						1	
BOTANY	1			1			2
CHEMISTRY				5			2
ECONOMICS	1			2		5	3
EDUCATION				2			1
ENGLISH	1						3
GEOGRAPHY							
GEOLOGY				2	1		
HISTORY	2			2		1	
MATHEMATICS				1			
PHILOSOPHY	1			1	1		
PHYSICS				2		1	1
POLITICAL SCIENCE	1			1			2
SANSKRIT	1						1
STATISTICS				1			2
ZOOLOGY	1			2		1	1
TOTAL	12		1	25	8	12	18

In 2007-08 a total of 12 faculty members of the college attended Courses under UGC. One book with ISBN and a total number of 25 research articles and 8 other articles have been published by the faculty members during this period. Again there were 12 paper presentations in seminars and conferences and 18 attendances in seminars, workshops, conferences etc.

The faculty members are also actively engaged in editing books, writing course text books and in writing chapters in text books. Some are also involved in translation works.

During 2007-08 teachers performed as resource persons in UGC sponsored sensitization workshop on Capacity Building of Women Managers in Higher

Education. Assam Higher Secondary Education Council Refresher Course, workshops and seminars, different colleges, pre-examination training centre, Gauhati University for the candidates appearing in UPSC Civil Services Examination, training and habitat management and wildlife conservation for range officers, forest department, Govt. of Assam.

Besides, Dr. Saibal Sengupta, HOD of Zoology delivered lectures at the institute of Biodiversity and environmental conservation university, Malaysia, Sarawak.

B8. Total number of Seminars/ Workshops Conducted

All the departments have been organizing students' seminars regularly.

The EDC of the college conducted a workshop on 'Machine Tools' in the college workshop on 4th August 2007.

B9. Research Projects

Dr. Jnanashree Borah of the Department of Geography and Dr. Saibal Sengupta of the Department of Zoology are actively involved in guiding research scholars. Under his guidance Mrs. Chhaya Roy Kundu have been awarded the Ph.D. degree.

Minor Research Projects

Newly Implemented: During this session 3 teachers have undertaken minor research projects.

Completed: 2 Minor Research Projects have been completed.

B10. Patents generated, if any

None

B11. New collaborative research programmes

Ongoing with Gauhati University , Assam University.

B12. Research grants received from various agencies

Name of the teacher (with department)	Project topic	Agency	Amount	Year
Dr. Hrishikesh Baruah (Geology Department)	Feldspar characteristics of the arenaceous Gondwana rocks along Khellong-Sisui section, West Kamneng District, Arunachal Pradesh and Lorathang-Pacheykhani area, East District, Sikkim	UGC	Rs. 97,000/-	2008
Dr. Pradyut Sarmah (Chemistry Department)	Interaction of Metal Complex, Fe(Salent H ₂) with phenalate substrate (O-amino phenal) encapsulated in Aqueous solution of surfactant micelle- a model study for the catalytic oxidation reaction	UGC	Rs. 85,000/-	2008
Dr. Pradip Bhattacharyya	Effect of Alkylation on DNA Base pair-A theoretical Approach	UGC	Rs. 75,000/-	2008

Major Research Projects

Name of the teacher (with department)	Project topic	Agency	Amount	Year
Dr. Jnanashree Borah (Geography Department)	A comparative study on enrolment and dropout of primary education in Assam using GIS	UGC	Rs. 3,73,000/-	2007

B13. Details of research scholars

Name of the scholar	Name of the guide with Department	Topic	Year of award of degree
Mrs. Chhaya Roy Kundu	Dr. Saibal Sengupta (Zoology Department)	Ecological and Ecotoxicological Studies on the rice field Anurans of Barak Valley, Assam, North East India	2008

B14. Citation index of faculty members and impact factor

On an average the citation index of some of the faculty members is within the range 1.5-2.0 and some of them have been publishing research articles in journals with impact factor 0.3-2.7.

B15. Honors/Awards to the faculty

None

B16. Internal Resource Generated

Rent	Examination	Others	Total
Rs. 18,484/-	Rs. 28,155/-	Rs. 2,775/-	Rs. 49,414/-

B17. Details of departments getting SAP, COSIST (ASSIST)/DST, FIST etc. assistance/recognition

Fund received from DST for a Major Research Project by Dr. Saibal Sengupta, Department of Zoology.

B18. Community Services

The NCC unit of the college organized tree plantation drive, blood donation camp in the college campus and a traffic awareness campaign in the nearby Ulubari flyover. On the occasion of the 59th NCC day an 'ANNA DAN' programme was organized in the Sukleswar ghat area on 25th November, 2007.

B19. Teachers and officers newly recruited

None

B20. Teaching-Non-teaching staff ratio

2.1:1

B21. Improvements in library services

- a) Books and journals have been purchased during 2007-08.
- b) New computers procured.

B22. New books/journals subscribed and their value

Amount	No. of books
Rs. 86,294/-	484

Amount spent for the purchase of journals is Rs.1110/-

B23. Courses in which student assessment of teachers is introduced and the action taken on student feedback

- a. All Major students take part in the mandatory feedback process
- b. The process of the feedback is carried out by the IQAC and the analysis of the same is done by a neutral body formed by the Principal.
- c. After analyzing the feedback the Principal of the college confidentially discusses it with the faculty members on a one to one basis. This gives the teachers a scope to develop themselves in the areas on which the feedback has been taken.

B24. Unit cost of education

Expenditure: Rs. 42,97,663/-

No. of students: 3078

Unit cost of education: Rs. 1,396/-

B25. Computerization of Administration and the Process of Admission and Examination Results, Issue of Certificate

Computerization process is going on in continuity.

B26. Increase in the Infrastructure Facility

The present infrastructure has been maintained.

Construction of the second girls' hostel has been started.

B27. Technology upgradation

There has been the use of computers and LCD projectors in the college. There is a computer laboratory in the Mathematics Department. A computer laboratory has been set up in the Statistics Department with 4 numbers of computers. The Computer cell has an air-conditioned environment, equipped with on-line UPS, 13 PCs, Laser and Dot Matrix printers.

B28. Computer and Internet Access and training to teachers and students

The Computer Cell of the college provides computer and internet access and training to teachers and students.

The Computer Courses offered are:

1. Certificate in Computer Fundamentals (CCF)
2. Certificate in Tally (CIT)
3. Certificate in Hardware & Networking (CHN)
4. C- language
5. Desk Top Publishing (DTP)

During 2007-08 a total of 248 students were enrolled and the number of certificates awarded were 102.

B29. Financial Aid to Students

31 economically backward students have received financial assistance during 2007-08. The total amount of financial assistance was Rs. 43,440/-

B30. Activities and support from the Alumni Association

The Alumni Association maintains a very cordial relation with the college and attends the functions of the college whenever invited.

B31. Activities and support from the Parent Teacher Association

Parent Teacher Association does not exist. However, all departments hold regular Guardian meet where active interaction takes place between teachers, guardians and students. Parent association with the college is through the representation of two parent members in the Governing Body.

B32. Health Service

The NCC unit of the college organized blood donation camp in the college campus.

The college has a health centre which caters to the needs of the students.

B33. Performance in Sports Activities

The students took part in various sports activities during the Annual College Week.

B34. Incentives to outstanding sportspersons

The college encourages outstanding sportspersons and as an incentive to outstanding sportspersons it reserves a few seats for admission in the sports quota.

B35. Student Achievements and Award

Sri Khargeswar Deka received the Giridhar Sarma best volunteer Aryan NSS Award and Mr. Keni Ete was awarded the Principal's award for best organizational works.

B36. Activities of the Guidance and Counseling Unit

1. The Arya Vidyapeeth College Career Counseling and Placement Cell has been involved in the recruitment of the students.
2. The Academic and Personal Counseling Cell aims to provide proper help and guidance in personal and academic matters to the students. It tries to solve their academic, personal and family related problems.

B37. Placement service provided to students

Campus Recruitment Drive			
Serial No.	Organization	Date	Candidates Selected
1.	Tata Consultancy Services	3 rd /4 th August, 2007	2
2.	IBM, Gurgaon	20 th December, 2007	11
3.	WIPRO Kolkata	28 th April, 2008	4

B38. Development programmes for non-teaching staff

For their upgradation and professional expertise the non-teaching staff had attended different training courses. Hands on computer training were also provided to them in the college computer cell.

B39. Healthy Practices of the institution

The college carried out various activities like blood donation, tree plantation, community services and extension services.

The Arya Vidyapeeth College teachers' unit organized felicitation and farewell programme for the retired teachers.

B40. Linkages developed with National/ International, academic/ Research bodies

The teachers are members of different academic bodies and forums.

B41. Any other relevant information the institution wishes to add

The College has two hostels – one for boys (with an intake capacity of 103 students) and the other for the girls (with an intake capacity of 64 students).

The College has well equipped Laboratories for all the Science Departments. Various Major and Minor Projects are being carried on in these laboratories in various upcoming research topics.

The College has a workshop under the Physics department, where a course on 'Machine Shop' is imparted.

The College has a rich Library with variety of books apart from regular subscribed journals, newspapers, periodicals and bulletins. The reading room is well used by the student community as well as by the faculty members.

There has always been a vibrant work and research culture amongst the teacher fraternity. One can very well see our faculty members continuously engaged in Research Projects, authoring books, publishing research papers in journals of national and international repute and lending extension services in various capacities.

The College has different common forums of teachers and students like the science club, debators' club, literary club, mountaineering club, hobby club etc.

Different types of lectures and seminars are held regularly in the College. For instance, the Giridhar Sarma Memorial Lecture is held annually under the auspices of the 'Teachers' Unit' of the college.

The College has a Research Committee which approves projects submitted by the teachers and forward them to appropriate authorities.

The College has a General Body of the students known as Arya Vidyapeeth College Students' Union of which every student shall be a member.\

The College magazine Aryan is the medium for developing literary and other potentials of the students. It publishes article and creative writings contributed by students and teachers.

The College has a News Bulletin- Vision wherein news of different activities and achievements of students and teachers are published.

Every department of the College publish their own individual wall magazine periodically with the contribution from both teachers and students.

The College has a Grievance Redressal Cell. Students can submit their grievances and suggestions in a box kept in the office of the Vice Principal for their proper redressal.

The College has a canteen within the college campus.

PART - C

Detail the Plans of the Institution for 2008-2009

1. To encourage the faculty members to take up project work, research activities and research publications.
2. To organize seminar and workshop for the development of the research community.
3. To monitor the tutorial classes taken by the faculty members.
4. To organize interdisciplinary lectures within the college.
5. To set up a Bioinformatics Centre
6. To form an academic forum.

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Chairperson
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