

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

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**FOR THE SESSION  
2011-2012**

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## **ABOUT THE COLLEGE**

Arya Vidyapeeth College, situated in the heart of Guwahati city, is one of the premier institutions of higher education in not only Assam but the whole of North East India. It is the most prominent member in the family of Arya Vidyapeeth-a chain of educational Institutions starting from primary level to PG level that 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.

Established on 29th July 1958, the college has been catering to the academic needs of North-Eastern India in general and Assam in particular. The untiring efforts and rare organizational ability of Giridhar Sarma helped the college grow into a throbbing centre of academic excellence in the teeth of many odds on the way. In fact, Arya Vidyapeeth College can be called the dream child of Giridhar Sarma, an academician and litterateur of repute.

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. Today the college provides major courses altogether in eighteen out of nineteen subjects in Arts and Science There is a commerce stream at the H.S. level. Keeping in mind the global dynamics, the college has been successfully running many self sustaining courses in Computers for the last few years. Other courses like the certificate course in Human Rights, certificate and diploma courses in Bioinformatics are also experiencing high success. The Government of India has identified the College as a Biotechnology Hub too. Recently the college has received a grant from the Department of Science and Technology, Government of India for further development of infrastructure of science departments.

Arya Vidyapeeth College has been identified by the University Grants Commission as an institution having potential for excellence. The CPE (College with Potential for Excellence) tag along with a grant will surely help the institution to scale greater heights. As part of the ongoing CPE scheme several projects have been initiated both for institutional as well as community development. Facilities like Wi-Fi, 24 hours power back-up, language laboratory, UV-Vis spectrophotometer, gemological instruments etc. are all part of the first phase of implementation. CPE has also led to establishment of the Historical and Anthropological Cultural Heritage Centre, the first of its kind in Assam. The College diligently carries out its Community Development Project at Garbhanga wherein it has adopted a school and adjacent a school and adjacent villages Garbhanga is a very remote place, ironically on the fringe of Guwahati. Further, under this scheme the college has also taken up a project on 'Waste Management' of Guwahati city.

Arya Vidyapeeth College has not confined itself to class room teaching and learning only but has reached out to the larger masses in the form of distance learning. The institution has a full fledged “Study Centre” of the World’s largest Open University, IGNOU. Various courses right from Certificate to Masters level is offered. This has added another feather on our cap and has entrusted even more responsibilities on our shoulders.

Arya Vidyapeeth College has played a key role in academic upliftment of disadvantaged students of the region. As on today, Arya Vidyapeeth College is perhaps one of the most successful colleges in Assam because we have been able to elevate the output standard of the passing out students at an exponentially higher stratum than their input level. This is clearly reflected in the pass percentage data of the college and that of the Gauhati University.

There has been a vibrant work and research culture amongst the faculty. As a consequence of this thirst for excellence triggered off since the beginning, one can see our faculty members engaged in many research projects, authoring books and research papers of national and international standards regularly. The college has developed many national and international linkages on the academic front. Academicians/Scientists from different parts of the country as well as abroad have visited the institution for research purpose as well as student interaction. Prestigious awards like the ‘Padmashree’, ‘Soviet Land Nehru’, ‘Sahitya Academy’, ‘Katha’ and award from the prestigious ‘Assam Sahitya Sabha’ received by our faculty members reflect the reality. There are even records of our colleague acting as a visiting faculty in University abroad.

Innumerable students have come to the college and successfully left the campus after receiving their desired degrees and they have made their marks in different levels of social, political and academic life. There may be a few places in the whole country where an alumnus of this institution may not be found. Many of them have brought glories by shining in overseas too.

The name of the college is suggestive of the spirit and culture of the institution. The word ‘Arya’ in the context of the college, implies a person who sticks to his rightful and legitimate duty by practicing what he should do and by abstaining from doing what one is not expected to do thereby elevating him to a state of higher civilized order.

### **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 for development of the Institutional Biotech hub.
2. Plan to set up a Cultural and Historical museum in the College.

### **A2. PERSPECTIVE PLAN FOR THE SESSION 2011-12**

1. To encourage the faculty members to take up project work, research activities and research publications.
2. To organize a national seminar 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 start research work and other activities at the Institutional Biotech Hub.
6. Complete establishment works for a Cultural and Historical museum portraying North East India.

### **A3. OUTCOME AT THE END OF THE ACADEMIC SESSION 2011-12**

#### **i. Action taken during the session 2011-12**

- 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. The courses at the IGNOU study centre, the courses of human rights and bioinformatics and the research work and other academic activities of the Institutional Biotech Hub are being pursued.

#### **ii. Activities of the Support Services**

- a. The NSS unit of the College undertook various activities directed towards the benefit of the society.
- b. The NCC cadets attended the Annual training camps. The NCC units of the college organized a blood donation camp in collaboration with the blood bank, Dr. B.Barooah Cancer Institution on 26<sup>th</sup> November,

2011 where 73 units of blood were collected from the faculty members, NCC cadets and general students of the college.

- c. The NCC units of the college organized an “ANNA DAAN” program for the destitute near the Sukleswar temple of Guwahati on 27<sup>th</sup> November, 2011.

A week long yoga camp for memory development was organized by the 60 Assam Girls BN and 1<sup>st</sup> Assam BN from 22<sup>nd</sup> to 28<sup>th</sup> May, 2012 in collaboration with Srimanta Sankardeva Yoga Siksha Samiti. About 40 students participated in the camp.

The NCC units of the college organized an “Anti- Tobacco Campaign” at the street side of the city on 31<sup>st</sup> May, 2012. The cadet distributed leaflets, pamphlets etc. among the passer-by on that day.

The NCC units of the college a “Climate Change Awareness program” at the Dighalipukhuri side as the observation of New Year’s eve. The cadets distributed leaflets, pamphlets etc. among the passer-by on that day.

- d. Ninety two Arya Mountaineers’ and Adventurers’ members have carried out a trekking expedition covering 35 km from Lahore Chariali, Guwahati to Basistha Mandir via Garhbhanga Reserve Forest and Piling-ku area on 25<sup>th</sup> October, 2011.

- e. The Debate and Symposia Section of the college has organized the 42<sup>nd</sup> Dr. Banikanta Kajoty Memorial “All Assam Inter-College Debate Competition” held on 28<sup>th</sup> December, 2011. Ms Nazmin Khanam and Mr. Bhargab Saikiawere adjudged the best team in the competition organized in Dhakuwakhana College in November, 2011 and 2<sup>nd</sup> best team in the Dr. Banikanta Kakoty Memorial “All Assam Inter-College Debate Competition” held on 28<sup>th</sup> December, 2011. Ms. Nazmin Khanam also achieved the best debater award in the Machkhowa ITA organized by OGCF, in November, 2011 and also the 2<sup>nd</sup> best debater award in the debate competition organized by the Government Ayurvedic College, Jalukbari.

- f. The research work and activities performed at the bio tech hub with Zoology as nodal department are as follows:

- K.Mandakini Devi and Saurav Mahanta, performed research work in Silico Drugs Designing for multiple drugs resistance tuberculosis in collaboration with NIELIT, Borjhar.
- Surajit Sengupta and Dr. Jatin Sarmah are engaged in the extraction of stool DNA from the golden langur by stool DNA extraction kit, hi media.
- Dr. Jatin Sarmah are engaged in the extraction of stool DNA from the Hollock gibbon by stool DNA extraction kit, hi media.

- Capacity building programme conducted as training programme in outreach programmes at five different schools of Lakhimpur Sub-division, Cachar in the month of April, 2012.
- g. Under the Career Guidance and Placement Cell, Mahindra Satyam has selected 4 students through an online interview on 2nd February, 2012.
  - h. The Academic and Personal Counselling Cell aims to provide proper help and guidance in personal and academic matters. It tries to solve their academic, personal and family related problems.
  - i. The Community Development Cell of the college has carried out an academic tour to the Guwahati Zoo and other historically important places of Guwahati for the students and teachers of the Garbhanga Lower Primary School on 19th November, 2011.

### **iii. Students' 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 2011

<b>Subjects</b>	<b>Pass Percentage</b>
Anthropology	94.44
Assamese	100
Bengali	50
Botany	80
Chemistry	100
Economics	85
Education	92.30
English	57.14
Geography	90.90
Geology	100
History	57.14
Mathematics	90.90
Physics	100
Political Science	92.86
Sanskrit	100
Statistics	71.43
Zoology	100

#### **b. Additional Courses**

Additional Courses comprises of:

1. Software-hardware courses of the Computer Cell.
2. Certificate and Diploma Courses on Bioinformatics.
3. Certificate course on Human Rights.

4. Courses ranging from PG to Certificate level under IGNOU in Distance Learning.

**c. Academic activities and research**

8 faculty members have been awarded Ph.D. degree during this session.

Dr. Saibal Sengupta of the Department of Zoology, Dr. Jnanashree Borah of the Department of Geography, Dr. Prabin Das of the Department of Mathematics, Dr. Amal Kumar Agarwala of the Department of Statistics Dr. Pradip Kr. Bhattacharyya of the Department of Chemistry, Dr. Moushumi Dutta Pathak of the department of History and Dr. Manali Dutta Saikia of the Department of Chemistry are Ph.D. research guides.

Faculty members are engaged in various research activities. Four books with ISBN and a total number of 46 research articles and 15 other articles have been published by the faculty members during this period. Again there were 66 paper presentations in seminars and conferences and 138 attendances in seminars, workshops, conferences etc.

During this session 10 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.

**B2. New Academic Programmes Initiated**

Works initiated to start MA programme in Anthropology under IGNOU in distance learning mode.

**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**

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

**B5. Examination reforms implemented**

Unit tests, student seminars, home assignments, group discussions, sessional examinations 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.

The Department of Botany continued with the Mentor-Protégé system.

**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	5	7	13	7
ANTHROPOLOGY				4	1	9	3
BENGALI	2					4	9
BOTANY	2			1		2	5
CHEMISTRY	1			4		1	8
ECONOMICS	1			2		9	6
EDUCATION	3			1		5	9
ENGLISH	1			1		3	10
GEOGRAPHY	1			2			8
GEOLOGY			1	2	3		19
HISTORY			1	4		3	1
MATHEMATICS	2			7			11
PHILOSOPHY	1			2	2		5
PHYSICS				3		4	9
POLITICAL SCIENCE			1			3	8
SANSKRIT				1	2	4	6
STATISTICS	2			5		3	6
ZOOLOGY	1			2		3	8
<b>TOTAL</b>	<b>18</b>	<b>0</b>	<b>4</b>	<b>46</b>	<b>15</b>	<b>66</b>	<b>138</b>

In 2011-12 a total of 18 faculty members of the college attended Courses under UGC. Four books with ISBN and a total number of 46 research articles and 15 other articles have been published by the faculty members during this period. Again there were 66 paper presentations in seminars and conferences and 138 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 2011-12 teachers performed as resource persons in workshops and seminars, in different universities, colleges and schools, UGC conducted Refresher and Orientation Course at Academic Staff College, Gauhati University, in the Dihing Patkai festival in the Dihing Patkai Wildlife Sanctuary Course.

Faculty members have even chaired technical sessions in national and international seminars and have coordinated group discussions.

During 2011-12, Ms. Dipti Khaund of the department of Economics has been awarded the Ph.D. degree for her thesis “Corporate social responsibility initiatives of OIL PSUs sector in Assam through community development programmes with special reference to Numaligarh Refinery” by Dirugarh University.

Mr. Khireswar Borah of the department of Philosophy has been awarded the Ph.D degree for his thesis “Socio-legal study of the indigenous people of Assam with special reference to Autonomy movements of plains tribes” by Gauhati University.

Ms. Moushumi Dutta Pathak of the department of History has been awarded the Ph.D degree for her thesis “Forced migration, rehabilitation and resettlement: partition displaced Bengali hindus in the Brahmaputra Valley” by Gauhati University.

Mr. Ranjan Das of the department of Mathematics has been awarded the Ph.D degree for his thesis “Solitary Waves in Plasmas” by Gauhati University.

Mr. Jatin Sarmah of the department of Zoology has been awarded the Ph.D degree for his thesis “Evaluation of Endocrine disrupting effects of Nagaon Paper Mill Effluents on Albino Mice” by Gauhati University.

Ms. Ruli Barthakur of the department of Zoology has been awarded the Ph.D degree for her thesis “A systematic account of Fejarvarya group of Assam with special reference to Autecology of Fejarvarya Teraiensis (Dubois 1984)” by Gauhati University.

Mr. Jayanta Gogoi of the department of Zoology has been awarded the Ph.D degree for his thesis “A study on the taxonomy, ecology and breeding biology of P. Leucomystax (Graven horst, 1829) and P. Himalayans (Annandale 1912)” by Gauhati University.

Mr. Pankaj Kalita of the department of Chemistry has been awarded the Ph.D degree for his thesis “Studies on effects of phenol amine and alcohol on the reactivity of triphenyl tinhydrite towards olefinic double bond intur , - unsaturated esters” by Gauhati University.

#### **B8. Total number of Seminars/ Workshops Conducted**

All the departments have been organizing students’ seminars and popular talks regularly.

2011-12-The Department of Statistics organized a National Seminar “Recent trends in Statistics and its applications” in collaboration with the Department of Statistics, Dibrugarh University on 2nd and 3rd of February, 2012.

#### **B9. Research Projects**

Dr. Saibal Sengupta of the department of Zoology, Dr. Jnanashree Borah of the Department of Geography, Dr. Prabin Das of the Department of Mathematics, Dr. Amal Kumar Agarwala of the Department of Statistics, Dr. Pradip Kr. Bhattacharyya of the Department of Chemistry, Dr. Moushumi Dutta Pathak of the department of History and Dr. Manali Dutta Saikia of the Department of Chemistry are research guides.

Faculty members are also involved in guiding M.Phil scholars from different universities.

During 2011-12, Ms. Dipti Khaund of the department of Economics has been awarded the Ph.D degree for her thesis “Corporate social responsibility initiatives of OIL PSUs sector in Assam through community development programmes with special reference to Numaligarh Refinery” by Dibrugarh University.

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Mr. Pankaj Kalita of the department of Chemistry has been awarded the Ph.D degree for his thesis “Studies on effects of phenol amine and alcohol on the reactivity of triphenyl tinhydride towards olefinic double bond in  $\alpha, \beta$ -unsaturated esters” by Gauhati University.

Ms Deepali Neog of the Department of Geography has obtained his M.Phil Degree from Global Open University.

Minor Research Projects

Newly Implemented: During this session 10 teachers have undertaken minor research projects.

Completed:3 Minor Research Projects have been completed.

**B10. Patents generated, if any**

None

**B11. New collaborative research programmes**

Old projects ongoing.

**B12. Research grants received from various agencies**

**Minor Research Project**

Name of the teacher (with department)	Project topic	Agency	Amount	Year
Dr. Pradyut Sarma (Chemistry Department)	Redox and spectroscopic analysis of the interaction of Fe (III) complex of N-salicylidine L-amino Acids with Phenolate substrate. Iron (III) Tyrosinate models	UGC	Rs.2,00,000/-	2011
Ms. Jyotirupa Sarma (Anthropology Department)	Bio-social determinants of Post menopausal health of working and non-working women of Guwahati, Assam	UGC	Rs.1,30,000/-	2011
Mr. Krishnak Kingkar Pathak (Physics Department)	The study of heavy-light flavour mesons in a QCD potential model	UGC	Rs.1,35,000/-	2011
Dr. Bhupali Sarma (Physics Department)	Role of AN and ANN potential parameters on light, single lambda hyper nucleus	UGC	Rs.1,35,000/-	2011
Mr. Pabitra Kr. Kalita (Chemistry Department)	Asymmetric Allylation of aldehydes and aldimines by allyltrimethylsilane using chiral ligands	UGC	Rs.1,80,000/-	2011
Dr. Susanta Barthakur (Chemistry Department)	Synthesis of heterocyclic compounds using arylidinemalononitrile and studies their biological	UGC	Rs.1,60,000/-	2011

	activities			
Mr. Pankaj Kalita (Chemistry Department)	Synthesis and characterization of some transition Metal-A20 complexes of acetylacetone and Ethyl acetoacetate	UGC	Rs.1,60,000/-	2011

Name of the teacher (with department)	Project topic	Agency	Amount	Year
Dr. Jonali Medhi (Geology Department)	Metamorphic history of Precambrian rocks around Ganesh Mandir Deodhar area, Kamrup district, Assam	UGC	Rs.1,90,000/-	2011
Dr. Manoj Mahanta (Physics Department)	The Plasma wall boundary region in negatively charged dusty plasma'.	UGC	Rs.1,15,000/-	2011
Dr. Chhandashree Bhuyan (Zoology Department)	Assessment of Mammalian diversity in the Nambor wildlife sanctuary, Assam	UGC	Rs.1,26,000/-	2011

#### Major Research Project

Name of the teacher (with department)	Project topic	Agency	Amount	Year
Dr. Saibal Sengupta (Zoology Department)	Study on the impact of open cast coal mining of Ledo-Margherita range (Assam) on wetlands and soil of surrounding area	ASTEC	Rs. 7,72,950/-	2011

**B13. Details of research scholars**

Name of the scholar	Name of the guide with Department	Topic	Year of provisional registration	Year of submission
Ms. Jaya Choudhury	Dr. Amal Kr. Agarwala (Statistics Department)	Traditional jewellery units of Assam: A viability study	2011	
Mr. Bibhuti Bhusan Das	Dr. Amal Kr. Agarwala (Statistics Department)	An evaluative study on employment generation programme in Assam with special reference to Nalbari district	2011	
Ms. Sweta Jalan	Dr. Amal Kr. Agarwala (Statistics Department)	Management of non-performing assets in commercial banks in India-A time series analysis	2011	
Ms Bhawani Doley	Dr. Moushumi Dutta Pathak (History Department)	Understanding Socio-Economic and Ecological Changes in post-colonial North-East: its impact on the life of Mising Women	2011	
Mr. Dipankar Dutta	Dr. Saibal Sengupta (Zoology)	Study on the biology of Leptobranchium	2011	



	Department)	smithi Matsui, Nabhitabhata and Panha, 1999 (Anura: Megophryidae) in Assam		
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Name of the scholar	Name of the guide with Department	Topic	Year of provisional registration	Year of submission
Mr. Jayaditya Purkayastha	Dr. Saibal Sengupta (Zoology Department)	Taxonomical studies of the Snake Genus Xenochrophis (Serpentis: Colubradae) of North East India	2011	
Mr. Jayanta Gogoi	Dr. Saibal Sengupta (Zoology Department)	A study on the taxonomy, ecology and breeding biology of P. Leucomystax (Graven horst, 1829) and P. Himalayans (Annandale 1912)		2011
Ms. Ruli Borthakur	Dr. Saibal Sengupta (Zoology Department)	A systematic account of Fejarvarya group of Assam with special reference to Autecology of Fejarvarya Teraiensis (Dubois 1984)		2011
Mr. Babul	Dr. Pradip Kr.	DFT Based	2012	

Neog	Bhattacharyya (Chemistry Department)	Descriptor Analysis on the reactivity of few Bis-Alkylating Drug Molecules		
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Name of the scholar	Name of the guide with Department	Topic	Year of provisional registration	Year of submission
Mr. Sourab Sinha	Dr. Pradip Kr. Bhattacharyya (Chemistry Department)	Reactivity of DNA Base Pairs and their affinity towards Alkylating and Intercalating Drugs: A QM and QM/MM study	2012	
Mr. Kundan Baruah	Dr. Pradip Kr. Bhattacharyya (Chemistry Department)	Cyclodextrin composite Nanostructured membrane : experimental and Quantum Mechanical Study	2012	
Mr. Abhijit Banik	Dr. Manali Dutta Saikia	Interaction of Biomolecules/ Drug Molecules on Cyclodextrin and its derivatives/ Polymers: Experimental and Molecular Modeling Studies	2012	

**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 1.5-4.0 and some of them have been publishing research articles in journals with impact factor 0.3-3.0.

**B15. Honors/Awards to the faculty**

None

**B16. Internal Resource Generated**

Source	Amount
Rent, RTI fees	Rs. 1,33,782/-

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

Dr. Pradip Kr. Bhattacharyya and Dr. Manali Dutta Saikia of the Department of Chemistry have received DST fund for Major Research Projects.

**B18. Community services**

The Department of Zoology and Geology conducted a project on Waste Management in the Guwahati City involving the T.D.C. 3rd year students to appraise the public on segregation of dry and wet waste and their disposal. With regard to Solid Waste Management public awareness drive, talk in schools with eminent resource persons and distribution of dustbins has been initiated.

Visits were made to Garbhanga area where the village itself is adopted by the institution. The Garbhanga village and the school therein are offered all sorts of intellectual and infrastructural support when needed. Under a MoU, students from Gasrbhanga area which is a very poor and under-developed area in the fringe of Guwahati are admitted to the institution.

The Community Development Cell of the college has carried out an academic tour to the Guwahati Zoo and other historically important places of Guwahati for the students and teachers of the Garbhanga Lower Primary School on 19th November, 2011.

The NCC units of the college organized a blood donation camp in collaboration with the blood bank, Dr. B.Barooah Cancer Institution on 26th

November, 2011 where 73 units of blood were collected from the faculty members, NCC cadets and general students of the college.

The NCC units of the college organized an “ANNA DAAN” program for the destitute near the Sukleswar temple of Guwahati on 27th November, 2011.

The NCC units of the college organized an “Anti- Tobacco Campaign” at the street side of the city on 31st May, 2012. The cadet distributed leaflets, pamphlets etc. among the passer-by on that day.

**B19. Teachers and officers newly recruited**

Non- Teaching Staff recruited:

Mr. D. Baruah	Office Staff
Mr. R. Malakar	Office Staff
Mr. J. Kalita	Laboratory Bearer
Ms. D. Chetri	Laboratory Bearer

**B20. Teaching-Non-teaching staff ratio**

2.1:1

**B21. Improvements in library services**

- a. Books and journals had been purchased during 2011-12.
- b. Access to online journals initiated.

**B22. New books/journals subscribed and their value**

Amount			No. of Books
From UGC Fund	From College Fund	Total	
Rs.1,13,154/-	Rs. 40,148/-	Rs. 1,53,302/-	680

Amount spent for the purchase of journals is Rs.1300/-

**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. 50,14,193/-

No. of Students: 3153

Unit cost of education: Rs. 1590/-

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

All the processes are computerized except that of certification.

**B26. Increase in the Infrastructure Facility**

The construction of the second girls' hostel has been completed and the construction work of the new building (Block B) is in progress.

**B27. Technology upgradation**

There has been the use of computers and LCD projectors in the college. There are computer laboratories in the Mathematics and Statistics Departments.

A computational chemistry laboratory with 8 computing servers with uninterrupted power supply had been set up. An experimental research laboratory was also set up in the Chemistry Department.

Wi-Fi and LAN connectivity has been strengthened. The Departments have procured their needs for up gradation. Scientific equipments like the UV-Visible Spectrophotometer, High Speed Computing Server, Centrifuge, High Powered Microscope, Gemological instruments etc. are available in the college to facilitate the Scientific Research in various directions. The Language laboratory (both English and Indian languages) has been set up. There is also a historical and cultural museum in the Anthropology Department.

The college also has the facility of JSTOR, bio-one and gale cengage through which on-line academic journals, books etc. can be accessed.

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

The Computer Cell college has been providing computer and internet access and training to teachers and students.

During 2011-12 a total of 97 students were enrolled and the number of certificates awarded were 40.

**B29. Financial Aid to Students**

26 economically backward students have received financial assistance during 2011-12. The total amount of financial assistance was Rs. 56,100/-

**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. They are involved with playground development.

**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 units of the college organized a blood donation camp in collaboration with the blood bank, Dr. B.Barooah Cancer Institution on 26th November, 2011 where 73 units of blood were collected from the faculty members, NCC cadets and general students of the college.

**B33. Performance in Sports Activities**

The students participated 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**

Mr. Binoy Kumar Yadav of the Department of Statistics who was declared the Best Graduate under Gauhati University and Mr. Tapan Patowary who stood 1st class 1st in Geology (major) 2011 under Gauhati University were felicitated and awarded in the college fresher's social.

Ms Nazmin Khanam and Mr. Bhargab Saikia were adjudged the best team in the debate competition organized in Dhakuwakhana College in November, 2011 and 2nd best team in the Dr. Banikanta Kajoty Memorial "All Assam Inter-College Debate Competition" held on 28th December, 2011. Ms Nazmin Khanam also achieved the best debater award in the Machkhowa ITA organized by OGCF, in November, 2011 and also the 2nd best debater award in the debate competition organised by the Government Ayurvedic College, Jalukbari.

Mr. Nipon Basumtary a student of the Department of Philosophy was awarded the 2nd position in Sangeet Mahoron.

The Arya Vidyapeeth College NCC unit was felicitated by the Assam State AIDS control society at the Dr. B.Barooah Cancer Institute, Guwahati, in the State Level observation of 'International Blood Donors' Day on 14th June, 2011.

**B36. Activities of the Guidance and Counseling Unit**

1. The Arya Vidyapeeth College Career Counseling and Guidance Cell has been involved in the recruitment of the students.
2. The Academic and Personal Counselling 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**

The Arya Vidyapeeth College Career Counseling and Guidance Cell has been trying for recruitment of the students.

**B38. Development programmes for non-teaching staff**

For their upgradation and professional expertise the non-teaching staff has been sent to different training courses. Hands on computer training are 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 programmes for the retired teachers.

Visits were made to Garbhanga area where the village itself is adopted by the institution. The Garbhanga village and the school therein are offered all sorts of intellectual and infrastructural support when needed. Under a MoU, students from Gasrbhanga area which is a very poor and under-developed area in the fringe of Guwahati are admitted to the institution.

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

The teachers are members of different academic bodies and forums.

Department of Geology has developed research collaboration with Department of Geological Sciences, G.U and other Universities and laboratories of India.

Department of History has developed a linkage with the North Eastern Hill University, Shillong and the Indian Institute of Technology, Guwahati.

Department of Statistics has a linkage with the Department of Statistics, Gauhati University, Department of Commerce, G.U and Dept. of Statistics, Dibrugarh University.

Department of Zoology has developed a linkage with the Herpetological School, Dehradun.

**B41. Any other relevant information the institution wishes to add**

Mr. Binoy Kumar Yadav of the Department of Statistics was declared the Best Graduate under Gauhati University and Mr. Tapan Patowary stood 1st class 1<sup>st</sup> in Geology (major) 2011 under Gauhati University.

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.



In honour of the Right to Information Act, the College has constituted the Right to Information (RTI) cell. The Vice-Principal is entrusted with the responsibilities of implementing the Act when requisitioned.

## **PART - C**

### **Detail the Plans of the Institution for 2012-13**

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 initiate renovation of the conference hall.

*Mousumi Borah*

(Dr. Mousumi Borah)  
Coordinator  
IQAC

*Saibal Sengupta*

(Dr. Saibal Sengupta)  
Chairperson  
IQAC