

# **ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC**

**NAME OF THE INSTITUTION:** MAULANA AZAD COLLEGE, KOLKATA  
**YEAR OF REPORT :** AUGUST 2010 TO JULY 2011

## **SECTION - A : PLAN OF ACTION CHALKED OUT BY THE IQAC IN THE BEGINNING OF THE YEAR 2010-11 TOWARDS QUALITY ENHANCEMENT**

### **Introduction :**

The year of report was eventful for the community of pupil and staff of this college. We have been awarded the coveted CPE status and the first allocation of on account grant of Rs. 50L was received by the college in March 2010. A plan has been chalked out by the college through a series of meetings, interactions and deliberations to proceed for best utilization of the fund and to augment many such requirements which were felt needed for a long time. In addition, the college has received a DST-FIST assistance for the science departments. Each of the seven science departments are continuing to be supported under this scheme.

We are continuing to serve the society by bringing more and more girl students, students from economically weaker section and minorities in our ambit. The faith parents and guardians of these students pose upon us are never belied. There had not been a single incident of student unrest last few years. There was no complaint of any sort of harassment or gender bias. Being a government college, our goal is to extend every possible support to the deserving and the underprivileged. We are committed to fulfilling that goal without compromising with the quality. Salient features of our plan of action were as follows:

- 1. To extend every possible support to the deserving and the underprivileged. We are committed to uphold the principles of inclusive education by all means.**
- 2. To improve infrastructure by using assistance under CPE scheme.**
- 3. To aim at improving the results of the students in university examinations.**
- 4. To make commendable progress in research by faculty and to establish more fruitful collaborations with other institutions of higher learning.**
- 5. To establish a common instrumentation centre for all science subjects.**
- 6. To establish a school of socio-economic studies.**
- 7. Increase E-resources and improving facilities in the library.**
- 8. To establish a Womens' Study Centre.**
- 9. To improve in outreach programmes in collaboration with other bodies.**
- 10. Offering more meaningful support to students belonging to SC/ST/OBC/Minorities.**
- 11. To make all efforts to spread awareness on environment and biodiversity by working among the schoolchildren.**
- 12. Adding to the existing number of seats in the boys' hostel.**
- 13. Initiate the construction of a Girls' Hostel**
- 14. Further Improvement of Common room facilities for both boys and girls.**
- 15. To establish an anti-ragging cell in the hostel.**
- 16. To establish a cell against sexual harassment in the college**

## Section B

### **Activities reflecting goals and objectives of the Institution:**

Twenty major thrust areas were identified which were to be addressed during the year of report. One or more nodal persons among the teachers were assigned with one area. The nodal persons were chosen from among the teachers through thorough discussion in Staff council. A summary outline of the projected activities is given below:

#### **1. Improvement of Laboratories:**

**Nodal Person: Dr. Subir Chandra Dasgupta, Associate Professor, Department of Zoology**

Improvement of laboratories & Infrastructure augmentation in all laboratories including the language laboratory were taken up and following instruments were added to the laboratories this year:

- Zoology Department -Procurement of Orbital Incubator Shaker, Four digit Sartorius Balance, pH Meter, BOD incubator, Digitally controlled oven, Insect preservation, Quartz distillation unit for
- Microbiology Department -Procurement of an imported protein purification system, BOD incubator shaker, Four digit Metllar Balance by
- Mathematics Department- Newly upgraded computers facility and software were added to the
- Physics Departments- cathode Ray Oscilloscope and Computers
- Department of Chemistry -Sonicator, Digitally controlled water bath, Balance, Fine chemicals fmaterials ( Audio/ Video) for English and Urdu Departments
- Botany Department - Gel electrophoresis System acid for
- Statistics Departments - Computers and Softwares
- Procurements of imported rare chemicals ( Sigma –Aldrich) for high end molecular Biology practical's and research for Zoology & Microbiology Department
- Installation and purchase of teaching aids ( LCD/Laptop etc)
- Installation and purchase of teaching aids in the Department of English and Urdu
- Documentation of Urdu manuscripts/portraits.

#### **2. Improvement of library:**

**Nodal Persons: Sri Anjan Dutta, Librarian & Sri Biswajit Banerjee, Librarian**

- Improvement of open access facility of Library
- JSTOR Connectivity through UGC-INFONET service for different e journals.
- Installation of CCTV surveillance system in reading rooms/ library stack room, front office of library and office etc

#### **3. Talent search, improvement and training in Sports and extra-curricular activities:**

**Nodal Person: Dr. Dabir Ahmed, Associate Professor, Department of Urdu**

The college has separate gymnasium facilities for boys and girls, but the facilities were inadequate. New instruments were added from CPE fund this year. Considerable improvement in sports were recorded this year.

4. **Infrastructure Development in Post graduate departments**

**Nodal Person: Dr. S.C. Dasgupta, Associate Professor, Department of Zoology**

The goal was to increase capacity of core instrumentation facility and to upgrade the existing infrastructure. Among the three PG Departments of this college, Zoology is DST-FIST assisted. There is a **Central Instrumentation Centre** in this department which also caters to other Science departments as well. Keeping this in mind, enrichment of this Centre by inclusion of GPS, molecular biology software packages, molecular biology consumables were procured.

This is one-off college in the state where six different languages are taught at Honours Level. We have already developed a **language laboratory** and CPE grant was beneficial in enriching it.

5. **Digitization of PG seminar Libraries :**

**Nodal Person: Dr. Sanjib Das, Associate Professor , Department of Zoology**

The college offers a dual borrowing facility to all its students. The central library is fully Computerized but Seminar libraries of Zoology, English and Urdu departments are manned the faculties themselves. To aid this process computerization of these libraries have been taken up.

6. **Establishment of SEBCA( School of Environmental and Biodiversity Conservation and Awareness):**

**Nodal Person: Prof. Dipankar Sengupta, Associate Professor, Department of Zoology**

The SEBCA is a result of Zoology Department's years of yearning to contribute in a modest way to the need to serve the the society by the way of advocating the importance of Biodiversity conservation for posterity. SEBCA was launched with a goal to educate the schoolchildren ,their guardians, teachers and common people for protection of our environment and conservation of our biodiversity. Two schools receive hands -on training and were given experience on methods of studying and analyzing environment and biodiversity. It was decided that at least two such programmes would be conducted per year.

7. **Establishment of CICARS (Central Instrumentation Centre for Advance Research Support):**

**Nodal Person: Prof Dipankar Sengupta, Associate Professor, Department of Zoology**

The PG Department of Zoology has a DST-FIST sponsored Central Equipment Facility(CEF),the benefits of which are also extended to other departments as well. Presently the department is conducting two Major and two Minor research projects. Two more Major Projects have already been screened by the competent authorities and have been awaiting arrival of funds.

- In order to further upgrade the equipment facility and to support advanced research we propose to establish CICARS as an advanced centre within the CEF. This year Central Instrumentation facility for animal tissue culture was augmented with with CO<sub>2</sub> incubator and inverted Microscope.
- A separate plant tissue culture laboratory was set up in Botany Department

8. **Establishment of School of Socio-Economic Research:**

**Nodal Persons: Prof. Arpita Sengupta, Associate Professor, Department of Philosophy & Dr. Nandita Basak, Associate Professor, Department of Economics**

The Departments of Economics, Sociology, Political Science and Philosophy have taken up **seven short term projects** to study different socio-cultural issues that are frequently encountered. Issues like **Stress management, Women workers in unorganized sector, Ethical issues related with traditional medicines** have attracted enough attention and the teachers of six departments have proposed seven different projects which are to be funded from the CPE grants.

**9. Projects taken up by School of Languages:**

**Nodal Person: Prof. D.P.Banerjee, Associate Professor, Department of English**

Six different languages namely, Sanskrit, Bengali, English, Urdu, Persian and Arabic are taught in this college. Eminent Poet and Jnanpeeth award winning poet Bishnu De was a teacher at this institution. In his centenary year we partially completed a project on translation and publication of his selected works in other languages. The CPE funding was helpful in taking up next phase of the work. Similar projects were taken up on the works of Jayanta Kumar Mahapatra.

- **Research project on Gnanpeeth awardee and Ex- faculty Prof Bishnu Dey** have been completed and published.
- **Translation of Jayanta Mahapatra's Autobiography**

We have taken initiatives to form a **Tagore Study Centre to commemorate 150<sup>th</sup> Birth Anniversary** of the poet. It will start functioning very soon with a workshop on Tagore songs.

**10. Establishment of a Womens' Study Centre:**

**Nodal Persons: Prof. Shampa Dutta Gupta, Associate Professor, Department of Sociology**

This college has opened its door for women only a decade ago. Within this short period of time, however, the girl students are almost outnumbering the boys. The women faculty strength is also very impressive. Considering the fact that majority of the girls are coming from minority communities and many of them are only first generation women learners, this college ought to have a Womens' Study Centre . The goal would be to empower and educate the students of their rights and duties. Seminars, counseling sessions, workshops will be regularly organized and CPE grant will be utilized to materialize the centre.

**11. Water Testing Facility for Public**

**Nodal Person: Dr. S. Bhattacharyya, Head, Department of Microbiology**

This college is located in a densely populated area and people are largely dependent on Municipal Water Supply. The incidence of water-borne diseases is very high throughout the city. The college locality is no exception. Moreover, we have a Hostel with about 200 boarders. The water testing facility is already there in the Microbiology Laboratory of the College and time to time survey of potability of water samples from the locality strongly justifies the formation of such a Centre here so that the the

facilities are open throughout the year. Minimum input in the form of infrastructure and consumables would make it possible.

**12. Conducting Courses for Development of Mathematical Skill:**

**Nodal Person: Dr. B. Pal, Associate Professor and Head, Department of Mathematics**

The faculty of Mathematics department aspired to introduce short term courses to reach out to pupils of other disciplines from the college and from other institutions who aspire to develop basic skills that are desired of any job or scholarship aspirant. Students more often than not have mental blocks towards development of aptitude in mathematical skills. The department organized a **summer camp** for for this purpose.

**13. Certificate Course in French:**

**Nodal Person: Dr. N. B. Routh, Associate Professor, Head, Department of English**

The global reach of English has made it most important language of communication in the world. Our experience with good students of Science, Commerce and even students pursuing higher degrees in English lead us to believe that such a course would have huge demand among students of this college and other colleges as well. The goal will be to prepare the students to enter into the job market with minimum ability asked of them. Our faculties have proper training in these aspects and can extend all support to make such a centre functionally meaningful.

**14. Improvement of IT enabled Admission and student Support System:**

**Nodal Persons:**

**Dr. B. Pal, Associate Professor, Department of Mathematics**

**Prof. A. K. Hait, Associate Professor, Department of Statistics**

The college wants to ensure a transparent, hazardless IT enabled admission in the College and Hostel. The goal was to prepare a database for every student which would be utilized to identify the locality, the institution last attended, the socio-economic condition, family background and income, health status, co-curricular records etc by the click of a button. Simultaneously the students would be able to have access to course material, examination report, news on , notices scholarships etc online. Professional service was hired for this purpose.

**15. Establishment of an anti-ragging cell in Baker Government Hostel with improvement of amenities.**

**Nodal Person: Dr. D. Ahmed, Associate Professor Department of Urdu & Superintendent, Baker Hostel**

Despite our best efforts, we must admit that, we could not completely eradicate the incidence of ragging in Baker Hostel. Although the hostel committee take stern steps when reported of any undesirable occurrence, but it is true that many students are unable to garner courage to report all such events. We must simultaneously stand beside them so that they come forward and make all efforts to make the hostel life joyful for every boarder.

An anti-ragging cell in the hostel would go a long way in achieving this end. Accordingly, CCTV has been installed in Boys Hostel to facilitate better monitoring by anti ragging cell.

**16. Establishment of a Cell against Sexual harassment in the College:**

**Nodal Person: Dr.S.DuttaGupta, Associate Professor, Department of Sociology**

With globalization and more and more exposure to the web world, the cases of sexual harassment inside the college campus would not be as rare as it is today. Dealing with such cases are often problematic, as more often than not, the offender turns aggressive in his action and words. A Cell to deal with such cases would itself be a deterrent as far as our experience goes. Moreover, to protect women's right to gender equality, awareness programmes were arranged. If necessary, the cell might suggest punitive and legal action to be taken and extend all possible help to deal with such cases.

**2. New academic Programmes initiated (UG & PG):** No new academic programs were introduced this year.

**3. Innovations in Curriculum designing:  
Curriculum Development**

- Project work introduced in Department of Microbiology & two papers have already been presented in National seminars by the participating students
- Two new special papers namely Animal Biotechnology & Animal Behavior have been proposed to the University for Sanction after augmentation of laboratory from CPE scheme by the Zoology Department.
- Students can access e- journals such as JSTOR and Science in Central Library.
- A plant- tissue culture laboratory is being constructed from CPE fund and UGC-BSR Fund simultaneously for the Department of Botany and curricula will incorporate the topic after the completion of this laboratory.

**Innovations introduced**

- Establishment of central Instrumentation facility for animal tissue culture under the proposed CICARS scheme has been taken up by Zoology Department. Necessary equipment such as CO<sub>2</sub> incubator & Inverted microscope have been purchased from CPE grant.
- e-class room has been set up in Microbiology Department from the UGC-CPE scheme
- Audio-visual facility has been introduced in the Department of English & Urdu respectively.
- CCTV has been set up in the central library to facilitate the Open Access System.
- CCTV has been installed in Boys' Hostel to facilitate better monitoring.
- Complete overhauling of student Database to facilitate admission / monitoring/administration.

- Establishment of a Controller of Examination Cell is under process.
- Semester system of PG examination has been introduced in English & Urdu Departments. The same is proposed for Department of Zoology.

#### **4. Inter Disciplinary programmes:**

All Undergraduate courses are interdisciplinary. A Language major student can opt for Social Sciences or an Economics Major student can opt for Mathematics/ Statistics as subsidiaries or vice versa. Learning an optional language and a modern Indian Language is compulsory for all the students and the college offers ample flexibility in choice of languages as English, Bengali and Urdu are taught. Environmental Studies is obligatory for all students and this is taken care of by as many as six departments namely, Botany, Zoology, Chemistry, Microbiology, Economics and Sociology. Furthermore, the core subjects like Microbiology and Sociology are interdisciplinary in nature and being contributed by several departments simultaneously.

In addition, the students can pursue a dual degree programme in two sections of the college under two different universities. Our regular courses are affiliated to the University of Calcutta and Distance Education Courses are affiliated to Indira Gandhi Open National University (IGNOU). The students are given opportunity to undertake a dual degree programme, one as a regular student and another as a distant learner under IGNOU.

#### **5. Examination Reforms implemented.**

Semester system of examination was introduced in English and Urdu from this academic session.

#### **6. Candidates qualified: NET / SLET / GATE etc.**

3 students of the PG department of Zoology qualified for NET and one for GATE fellowship this year. In addition as per available records from the alumni, 4 students of Physics, 2 of Chemistry, 1 of Political science, 2 of Mathematics ( 1 in TFIR), 1 student of History, 6 more students of Zoology and 1 student of Microbiology qualified this year.

#### **7. Initiative towards faculty development programme**

- Number of refresher courses attended by teachers in 2010-11 was 06.
- Number of orientation courses attended by teachers in 2009-10 was 02.
- Number of teachers awarded PhD degrees in 2009-10 was 05.
- The Department of Sociology was involved in organizing Sensitivity, Awareness and Motivation workshop under CBWM scheme of UGC as regional centre.

Almost all teachers were given requisite leave for attending and presenting papers in seminars. Teachers are encouraged to attend seminars, workshops, refresher courses, orientation programmes and to take up summer assignments or to visit institution home and abroad.

**8. Total number of seminars and workshops conducted: 8 + 3 public Lecture Sessions.**

#### **9. Research Projects (a) Ongoing (b) Completed**

- a) 2 Major research projects and 6 minor research projects are continuing.  
 b) 2 Major projects have been sanctioned.  
 C) 7 UGC-CPE minor research projects are continuing.

**10. Patents Generated, if any. Nil**

**11. New Collaborative research programmes**

a) Dr. D.P Chattopadhyay, Department of Sociology in Collaborative Research (January 2009 to June 2009) on “ Initiative for Education of Disadvantaged Children and Empowerment of Rural Women in Bishnubati( Birbhum) and Hottor (South 24 Parganas), West Bengal run by AGAPE,Heidelberg, Germany, an International NGO.

b) Dr. D.P Chattopadhyay, Department of Sociology in Collaborative Research with the Institute for the Future (IFTF),Palo alto,CA,USA in an ethnographic project looking at “Behaviour Changes in Specific Domains like Security, Local Communities and Entrepreneurialism in Kolkata” with Dr. Mani Pande, research director,IFTF.

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

During the period July 2010 to June 2011, the research grants received were as follows.

Sl.	Date of the Project	Funding Authority	Nature	Amount	Completed / Ongoing	Name of Teacher and Department
1.	April,2007	UGC	Major	Rs. 10,00,100/-	ongoing	Dr. S.C. Dasgupta, Zoology Department
2.	April,2008	UGC	Major	Rs.9,34,300/-	ongoing	Dr. T.N.Khan Zoology Department
3.	April,2008	UGC	Major	Rs.9,31,800/-	Sanctioned	Dr. Subha Manna Zoology Department
4	27.01.2010	UGC-JRF	Major		Sanctioned	Dr. A.Chakraborty Deptt. Of Chemistry
5.	April 2009	UGC	6 Minor research Projects	Rs. 10.77 Lakhs	Ongoing	
6	CPE 2010-11	Exploring Social-Ethical Context of Indian Medical Science			Ongoing	Arpita Sengupta, Associate Professor Dept.of Philosophy
7.	CPE 2010-11	Stress Management among Professional couples			Ongoing	Aditi Basu, Asst. Professor Dept. of Sociology



8.	CPE 2010-11	Employment Prospect and Economic Status Women Workers in Unorganized Sector	Ongoing	Nandita Basak  Associate
9.	CPE 2010-11	Concept of war and its socio-Economic Political Impaction Political Philosophy	Ongoing	Sanghamitra Dasgupta Asst. Professor Dept. of Philosophy
10.	CPE 2010-11	An analytical survey of Female workers in Shopping Malls of Kolkata	Ongoing	Sampa Dutta Gupta  Associate Prof. of Sociology
11.	CPE 2010-11	An Analytical Survey of Management Values in W.B: Ethical and Non-Ethical Issues	Ongoing	Nandita Bagchi  Associate
12	CPE 2010-11	Group Theatre and Women	Ongoing	Nandini Saila Dasgupta

### 13. Details of Research Scholars.

- Ms. Sanghamitra Mukherjee, M.Sc ( Physiology),UGC- NET  
Title of the Project: Search for Bioactive Components from Snake Shed Skin ( *Naja naja*) extract. F No. 38-130/2009 (SR) dated 19.12.2012  
**Publication:**
- Mr. Anirban Hazra, M.Sc (Zoology),UGC-NET  
Title of the project: Diversity, habitat relationships and conservation of migratory birds in the important wetlands of South Bengal. UGC Major Research Project ( F No. 33-338/2007 (SR) dated March 10 2008.  
**Publication:**
- Mr. Salil Putatunda, M.Sc ( Chemistry), CSIR-NET : UGC ref No. 11-4/2010 (SA-1)  
Title of the project: "Studies on the Synthesis ..... Biological properties"

### 14. Citation index of faculty members and impact factor

IQAC has no record regarding this .

### 15. Honors/Awards to the faculty: National and International

#### International:

#### Dr. D.P Chattopadhyay, Associate Professor, Department of Sociology :

- Awarded Fulbright-Nehru Visiting Lecturer Fellowship 2010-2011to teach a one semester graduate and undergraduate combined special course titled, 'Comparing Environmental Concern: East versus the West (SOC 4950/5950)' at Oklahoma State University, Stillwater, USA during January to May 2011.

- Received Fulbright Occasional Lecturer Fund award to travel to the University of Wisconsin at Madison, USA April 03-05, 2011 to deliver a lecture on "Globalization, Human Rights, and Agrarian Movements in Contemporary India."
- Participated in a Regional Seminar on 'Living Sustainably: Innovation in Food and Energy' at Burlington, Vermont, USA as a part of FY 2011 Fulbright Visiting Scholar Enrichment Program organized by the Vermont City Council on World Affairs April 13-16, 2011.
- Delivered an invited speech on 'Globalization, Human Rights, and Agrarian Movements in Contemporary India.' at the Agroecology Program, University of Wisconsin at Madison, USA April 04, 2011.
- Delivered an invited Public Lecture on 'The Sociology of Environmentalism: why some people join environmental movements while others do not' and a guest lecture on Hinduism in an Undergraduate class called 'Introduction to Great Religions of the World' at the Department of Philosophy and Religion Studies at the University of North Texas at Denton on March 21, 2011.
- Delivered a guest lecture on 'Development Processes and Struggle of Indigenous People in India in the context of Globalization' on Feb. 22<sup>nd</sup> in an Undergraduate Sociology and School of International Studies combined class on 'Globalization, Human Rights and Social Justice at the Department of Sociology, Oklahoma State University at Stillwater, OK.

#### **National:**

- Dr. S.C. Dasgupta, Associate Professor, Department of Zoology, was nominated by the DPI to act as his nominee in screening committees for CAS in Zoology.
- Dr. Swapan Bhattacharyya, Associate Professor, Microbiology, was nominated to the Governing Body of Netaji Nagar College for Women
- Dr. Swapan Bhattacharyya, Associate Professor, Microbiology, was elected to the to the Governing Body of the College as Teachers' representative.
- Dr. Madhumita Sen, Associate Professor, Sociology was selected an Associate at IUC at the IIAS, Shimla, Nov, 2009.
- Dr. Madhumita Sen, Associate Professor, Sociology, was awarded Guest Faculty position by department of Business Management, University of Calcutta -2010.
- Dr. D.P Chattopadhyay, Associate Professor, Department of Sociology was nominated an editor of SAGE journal entitled International Sociology-2009

#### **16. Internal Resources Generated**

The college is fully administered by the Government of West Bengal. Internal Resource Generation as per rules of the Government is not allowed as per rules. However, the Distance Education wing of the college, which is affiliated to the IGNOU, is completely self financed.

#### **17. Details of departments getting assistance/recognition under SAP, COSIST (ASSIST)/DST, FIST, and other programmes**

DST Assistance for all 7 science departments vide SR/FST/FIST/College-013/2010 dt.01.11.2010

Amount sanctioned : Rs. 48 L

Amount received: Rs. 37.50 L

- Equipments: Rs.30 L

- Networking: Rs.7 L
- Books: Rs. 0.5 L

## 18. Community Services :

i) **The National Service Scheme:** The scheme is coordinated by Dr. Dabir Ahmed, Reader in Urdu and it looks after the fact that a healthy environment prevails over the college and the surrounding localities.

ii) **'Entry into Services' Coaching Centre:** Operated under UGC merged grant scheme-XI Plan this scheme is being co ordinate by Prof. Shampa Duttagupta, Associate Professor, Department of Sociology and open to all students, home and away. Candidates, particularly,those seeking to qualify with oriental languages as optional are hugely benefitted.

iii) **NET/SET Coaching Centre for SC/ST/OBC/Minorities :** The candidates who are opting for qualification in Life Sciences, English and Urdu are coached under this scheme and the centre is looked after by Prof.Sanjib Das, associate Professor, Department of Zoology.

iv) **Mathematical Skill development Centre :** Open to all, this centre has just started operating and it will help in developing basic mathematical skill among children/students/aspirants of the locality.

v) **Water Testing Facility:** This facility continuously monitors the drinking-water quality of the water used by the local households/local public places like hospitals/other institutions and whosoever wishes to take its services. The facility is run by the Department of Microbiology

vi) **Environment Awareness Initiative:** A programme to be operated under the aegis of UGC-CPE scheme and referred to as SEBCA (**School of Environmental and Biodiversity Conservation and Awareness**). Presently two schools have been selected to confer hands-on training on diverse biodiversity/conservation techniques to the students of Class VIII onwards.

vii) The college continues to work in close association with **SANGLAP**, an NGO in women empowerment and entrepreneurship programmes throughout the year.

viii) Initiatives for Education of Disadvantaged Children and Empowerment of Rural Women in Bishnubati( Birbhum) and Hottor (South 24 Parganas), West Bengal in association with AGAPE,Heidelberg, Germany, an International NGO.

v) The college arranges for scholarships for every student in need from various agencies like the Department of Minority Affairs, Central and State governments, Wakf Board etc.

## 19. Teachers and Officers newly recruited.

Recruitment of teachers is done by WBPS. Recruitment of non-teaching takes place year on year basis. Support staff are recruited by the methodologies followed by the office of the DPI,WB. Following are the relevant data:

Full-timeTeacher( Transferred/joined)	3
Part-time Teachers	Nil
Supportive staff	Nil

## 20. Teaching & non-teaching ratio

During 2007-08, the teaching and non-teaching staff ratio was 1.87 :1 (approx)

## 21. Improvements in the library services

New Implementations during 2010-11:

- Conversion to OAL ( Open Access Library).
- JSTOR portal subscribed for ready access to more than 2000 journals.
- Digitization of Seminar libraries taken up.
- Conservation of rare books and manuscripts is a continuous process for the library.
- Large number of new titles were added.

## **22. New books/journals subscribed and their value**

- Rs 4,64,933/- were spent as State development Grant on Books and Journals for Central Library. 1076 titles were added.
- Rs. 7,72,925/- were spent under UGC-CPE assistance and 1145 new titles were added.
- 10 journals are subscribed by the Central Library in print and E-forms.
- 4 journals are subscribed to by the P.G. department of Zoology.

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

The outgoing 3<sup>rd</sup> year students were asked to give feedback and assess the teachers and the courses. The practice is in vogue since 2007. The departments hold assessment meetings to analyse their own Strength and Weakness.

## **24. Feedback from stakeholders**

- Parents-Teachers meetings are held in every department, either periodically or at the time of initiation after a student is admitted.
- Students Union Council is consulted to obtain feedbacks on Common Room facilities, Washroom facilities, Library, amenities in and around college and hostel.
- Feedback is also taken from the Alumni Association. Prof. G Sarwar Head, Parsian Department, being the General Secretary of the Maulana Azad College Alumni Association is ably bridging the past students with their alma mater.
- The members of the governing body include representatives from the higher education department, minority welfare department and peoples' representatives. The teachers and the Principal remain accountable to these authorities. The reports to the Government are prepared on the basis of inputs received from students, teachers, members of the staff, alumni association and all such stakeholders.

## **25. Unit cost of Education.**

Total expenditure was Rs. 9,51,29,227/-

Taking into account the 2504 regular course students in the college the Unit Cost arrived at is Rs.37,990/-only.

## **26. Computerization of administration and the process of admissions and examination results, issue of certificates.**

- i. Admission and student information management is fully computerized.
- ii. The college office is computerized and both student and staff section operates through customized software.
- iii. The confidential section is fully computerized.
- iv. Salaries, Accounts, pay- slips, etc. are also computerized.
- v. All departments have 100% access to computer facilities.
- vi. The College is fully networked and DELNET-INFLIBNET connected.

## **27. Increase in the infrastructural facilities**

### Infrastructure augmentation in Highly rated Departments :

- Procurement of Orbital Incubator Shaker , four- digit Sartorius Balance, pH Meter BOD incubator- shaker, Digitally controlled oven, Insect preservation facility in Postgraduate Department of Zoology
- Procurement of an imported Protein Purification system, BOD incubator shaker, Four- digit Mettler Balance etc. by Microbiology Department
- Newly upgraded computer facility and software were added to the Mathematics Department.
- Procurement of imported rare chemicals (Sigma-Aldrich) for high-end molecular biology practicals and research in Zoology and Microbiology departments.

### Infrastructure augmentation in Other Departments:

- Sonicator, Digitally controlled water bath, Balance, Fine chemicals for Department of Chemistry
  - Cathode Ray Oscilloscope, and computers for Physics Department
  - Gel Electrophoresis System for Nucleic acid and Protein in Botany Department
  - Computers and software for Statistics Department.

### Improvement of facilities in library:

- New titles worth 7.7 lakhs have been purchased for 21 departments.

### Research:

- Two separate tissue culture laboratories are being set up to facilitate new areas of research in plant & animal sciences respectively.  
Procurement of Protein purification system in Microbiology is aimed at opening of new area of research in phosphatases/ cellulase/amylase system

## **28. Technology Upgradation**

- CICARS has been already established in Zoology Department.
- An anti- ragging cell in Boys' Hostel has been established and 24- hour student monitoring through CCTV has been ensured.
- Improvement of IT- enabled admission and student support system is under way. For this purpose, training of teachers and office staff, has been completed .
- Online journal portal JSTOR is subscribed by the college.
- Upgradation of Language laboratory by making it interactive,
- Water testing facility in Microbiology Department has already been established.
- Job oriented mathematical skill courses are under way and soft/print materials worth Rs.50,000 has been purchased solely for this scheme.

### **Other Activities:**

- An anti- ragging cell in Boys' Hostel has been established and 24- hour student monitoring through CCTV has been ensured.
- Improvement of IT- enabled admission and student support system is under way. For this purpose, training of teachers and office staff, has been completed .

## **29. Computer and internet access and training to teachers, non-teaching staff and Students.**

- i. Computer and internet access to all teachers and students.
- ii. Every non-teaching staff including the security staff have computer and internet access.
- iii. Separate computer labs in Physics, Mathematics, Statistics, Zoology and Sociology departments.
- iv. Full internet access for teachers and students in the library.
- v. All other departments have individual computers with Internet access.
- vi. Networked computer facility in Boys' Hostel.
- vii. Computer access in Students' Common rooms.

## **30. Financial aid to students.**

- Students from underprivileged class are exempted from paying fees.
- Students in need are supported from Student Aid Fund.
- Scholarships are given to all SC, ST, Minorities and Girl students fulfilling the minimum criteria.
- There has not been a single report of student dropping out due to inadequate finances.

## **31. Activities and support from the Alumni Association.**

- Celebration of the college Foundation day on 9<sup>th</sup> Dec 2010.
- Participation in College sports.
- An ex-student, Mr. Nurul Haque, IAS was chairing the Governing Body through the major part of the year in report and monitored the overall development of the college.
- Active participation of alumni in running the **entry into services** programme.
- Alumni took part in celebration of Independence Day, Republic Day, Milad-ul Nabi, Iftar, Sarwaswati Puja.
- Members of the Alumni Association took part in Freshers' Initiation, Freshers' Welcome and Annual Fest.
- Departmental Alumni Associations exist in Zoology department and this year 4 members of the Alumni pursuing research abroad held seminar cum counseling sessions which were hugely successful.

## **32. Activities and support from the Parent-Teacher Association**

There is no Parents' Body in the College, although, Parent-Teacher meetings are held in every department. Initiation meetings are held at the time of admission. Results and other observations are shared with the Guardians on one-to-one basis. Moreover, Guardians are free to meet the Principal any time and there had been several instances where the Principal and the teachers had to undertake counseling sessions with students facing psychological trauma. These sessions proved to be extremely helpful for the guardians and students alike.

## **33. Health Services**

Basic first-aid facilities were provided by the NSS of the college.

In case of emergency, links had been made with nearby Government hospitals like Calcutta Medical College and National Medical College, Calcutta.

## **34. Performance in sports activities:**

i) **Sk. Nasiruddin and Ms. Khusboo Agarwal** were declared outstanding sportsman and sportswoman of the year respectively

ii) **College Sports-** iii) **Ms. Anuja Halder** was declared **University Blue**

### **in Badminton**

iii) The **Womens' Badminton Team** became **Runner Up** in **Inter College Badminton Championship 2010-11**

iv) The **Womens' Badminton Team** became **Champions** in **Inter Govt. College Badminton Championship 2010-11**

v) Large number of Boys and girls took part in 21 disciplines of athletics.

vi) Inter Departmental Badminton Championship for Boys and Girls- The Girls team has been selected for competing in University tournament.

viii). Inter Departmental Football Championship

viii). Inter Departmental Cricket Championship

ix) The college team participated in **Calcutta University Inter-college tournaments** and **Inter Government College Sports Meet** respectively.

### **35. Incentives to outstanding sportspersons**

Participants are given all kits, TA, Food and Medical expenses.

Scholarships are given to sportspersons as per rules.

### **36. Student Achievement & Awards.**

Achievers in University Examination were facilitated by the respective departments.

Prize Distribution Ceremony was held on the concluding day of Annual Sports Meet.

### **37. Activities of the Guidance and Counseling unit**

- Entrepreneurship Guidance and Counseling activities for girl students in association with NGOs.
- Career Counseling is a continuous process. Several such sessions were held throughout the year. Guidance is provided for enabling the outgoing students with skills to crack all India admission tests like JAM, JNU Biotechnology Entrance, JEST etc.
- The college operates a fully free NET/SET coaching centre and efforts were made to provide best services.
- The college operates a free Entry into Services Coaching Centre for students home and away.

### **38. Placement services provided to students:**

Prof. D.P.Banerjee of the Department of English was the co-coordinator of career counseling and placement cell of the college. Both recruiters and institutes of higher learning had sessions during the year of report.

### **39. Development Programmes for non-teaching staff**

- Upkeep of Staff quarters is done by the PWD.
- Recreational facility, RO purified water, computers for the Staff.
- Several computers have been given to the non-teaching staff.
- Internet access was given to the staff members.
- Security staff was given proper uniform.
- Loan facility for the staff as per government rules.

### **40. Good Practices of the Institution**

The college was recognized by the UGC as a College with Potential for Excellence and a DST-FIST assisted centre of studies for its good practices which include:

- 21 UG and 3 autonomous PG courses.
- Autonomous PG courses with syllabi in keeping with National Universities.
- Excellent school of distant learning affiliated to IGNOU.
- Excellent laboratories for both UG and PG students.
- Open Access Library in keeping with international norms.
- Talent Search initiatives in sports and co curricular activities.
- Establishment of Environment awareness initiatives (SEBCA).
- Central Instrumentation facility.
- Separate Schools of Language and Socio-Economic Research.
- Optimum application of ICT in classrooms and administration.
- Establishment of a centre of Womens' Studies.
- IT enabled admission procedure.
- Transparency in admission.
- Upholding the principle of inclusive education.
- No drop-out for want of monetary requirements.
- Every student in need given scholarship/ assistance for sustenance/continuation of studies.
- Scope of dual degree from two different affiliating universities.
- Excellent student progression record.
- Teachers evaluated by students and external peer groups.
- Healthy Teacher : Student ratio (< 40:1)
- 93.15 % passed in final UG examination with 113 students attaining First Class and 15 University ranks
- 100% qualifying for PG degree with 100% attaining First Class.
- Good publication and research record by the faculty.
- NET qualified Ph.D students.
- All part time Teachers are NET qualified.
- Excellent pool of Guest faculty.
- Access to online journals through DELNET-INFLIBNET;
- Amity and cordiality among students of different religious beliefs;
- Ample sports and games facilities for the students;
- Celebration of all National days of importance;
- Annual get together and Farewell ceremony to facilitate all retiring teaching and non-teaching staff;
- Regular arrangements of Educational excursions;
- Canteen facility for both students and staff;
- Recreation room for Non-teaching staff;
- 24 hour security staff recruited from ex-armymen.
- Discipline monitoring and counseling cell to support the students;
- Linkages with NGO;
- ID cards for all the students;
- Maintenance of a Sk. Mujubar Rahaman commemorative museum in Baker Hostel;
- Strong NSS activity;
- Hygienic maintenance of washrooms;
- Water quality check laboratory for general public;

#### **41. Linkages developed with National / International, academic/research bodies.**

- a) Dr. D.P Chattopadhyay, Department of Sociology in Collaborative Research



(January 2009 to June 2009) on “ Initiative for Education of Disadvantaged Children and Empowerment of Rural Women in Bishnubati( Birbhum) and Hottor (South 24 Parganas), West Bengal run by AGAPE,Heidelberg, Germany, an International NGO.

b) Dr. D.P Chattopadhyay, Department of Sociology in Collaborative Research with the Institute for the Future (IFTF),Palo alto,CA,USA in an ethnographic project looking at “Behaviour Changes in Specific Domains like Security, Local Communities and Entrepreneurialism in Kolkata” with Dr. Mani Pande, research director,IFTF.

c) Dr. D.P Chattopadhyay, Department of Sociology in Collaborative Research in ‘Provisions of Safe Drinking Water in Some Rural Areas of West Bengal’. Collaboration with Public Health Engineering Department, Government of West Bengal.

d) Dr.Subir Chandra Dasgupta, Zoology Department carrying out two UGC funded major projects in collaboration with Department of Physiology, University of Calcutta.

e) Dr. Subha Manna, Department of Zoology, in UGC funded major project with Visva Bharati University.

f) Dr. T.N.Khan, Department of Zoology, in a UGC funded Major Research Project with Jadavpur University.

g) Dr. Rini Roy in Collaboration with Dr. A,Nag Choudhury, Department of Microbiology, Lady Brabourne College.

h) Dr. Madhumita Sen, Associate Professor,Sociology was selected an Associate at IUC at the IIAS,Shimla, Nov,2009.

i) Dr. Madhumita Sen , Associate Professor,Sociology ,was awarded Guest Faculty position by department of Business Management, University of Calcutta -2010.

j) Dr. D.P Chattopadhyay, Associate Professor, Department of Sociology was nominated an editor of SAGE journal entitled International Sociology-2009

#### **42. Action Taken Report on the AQAR of the previous year**

- Autonomous Post graduate courses started operating in English and Urdu.
- The College vied for the CPE status and accordingly submitted the required data for consideration to the University of Calcutta in 2008-09 AQAR period. This year we have received the coveted CPE status from the UGC.
- The college received assistance for all the schemes it had sought to implement during the plan period under consideration. Accordingly the programmes like ‘Entry into Services for SC/ST/Minorities’; ‘NET/SET Coaching Centre’; Remedial Coaching Centre’; Day Care Centre’ etc. were established.
- A new annex building of the Baker Hostel has been constructed. New boarders will be allocated seats here during 2010-11 academic session. For surveillance, Ex-Servicemen were recruited. New books and periodicals, TV etc were also added.
- All major research projects were successfully defended and assistance to the tune of Rs. 67 lakhs were allocated for all these schemes taken together.
- During the last academic session we could develop a state of the art language laboratory with all audio-visual facilities in the offering.
- University result was bettered considerably during this academic session.

#### **43. Any other relevant information the institution wishes to add.**

- Maulana Azad College is one exemplary centre of amity and harmony and upholding true spirit of secular ideals.

- All underprivileged students and particularly girl students are supported financially;
- All teachers belong to transferable WBES/ WBSES cadre. So the status update includes those of the teachers who have already been transferred or have joined in this AQAR period.
- All part time teachers are UGC qualification compliant.
- All guest faculty are eminent teachers of repute from Universities and Research bodies.
- The college is one of the major distant learning centers affiliated to IGNOU with an enrolment strength of nearly 4000. Both UG and PG Degree courses and PG Diploma/Certificate courses are catered to by the regular faculty members and guests acting as counselors.

## **SECTION: C**

### **Outcomes achieved by the end of the year:**

1. The college extended every possible support to the deserving and the underprivileged and drop-out rate was minimized.
2. Considerably improved infrastructure by using assistance under CPE scheme.
3. Improved results of the students in university examinations.
4. Progress in research by faculty.
5. A common instrumentation centre (CICARS) was established.
6. A school of socio-economic studies established
7. Increased E-resources and improved facilities incorporating Open Access in the library.
8. A Womens' Study Centre was established.
9. A large number of Outreach programmes took off this year.
10. Offered both sustenance and academic support to students belonging to SC/ST/OBC/Minorities.
11. To spread awareness on environment and biodiversity by working among the schoolchildren, the SEBCA was established.
12. Increased number of seats in Annexe Building of the Baker Hostel.
13. Improvement of Common room facilities for both boys and girls.
15. An anti-ragging cell in the hostel was established.
16. A cell against sexual harassment in the college was established.

## **SECTION - D**

### **Plans of the HEI for the next year (2011-12)**

1. To further improve the results.
2. To seek for DBT- STAR college status.
3. To establish a medicinal plant garden.
4. To publish journals for both Science and Arts.
5. To improve student progression further.
6. To improve research and publication records.
7. To establish a Health Centre in the Boys' Hostel.
8. To initiate the construction of the Girls' Hostel.
9. To improve the application of ICT further.
10. To improve the student:teacher ratio further.