

The Annual Quality Assurance Report (AQAR) of the IQAC

PART – A

AQAR for the year

2010 – 2011

1. Details of the Institution

1.1. Name of the Institution

MAHISHADAL RAJ COLLEGE

1.2. Address Line 1

Mahishadal

Address Line 2

Purba Medinipur

City / Town

Kolkata/Haldia

State

West Bengal

Pin Code

721628

Institution e-mail address

mrc_mdI@yahoo.co.in /
akbera1957@gmail.com

Contact Nos.

09434964960

Name of the Head of the Institution

Dr. Asim Kumar Bera

Tel No. with STD Code

03224 – 240220 / 2240092

Mobile

09775013373

Name of the IQAC Co-coordinator

Prof. Badal Kumar Bera

Mobile

09733908683

IQAC e-mail address

college1946@gmail.com

1.3. NAAC Track ID

WBCOGN 13293

OR

1.4. NAAC Executive Committee No. & Date :

March 31, 2007/220

*(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner-bottom
of your institution's Accreditation Certificate)*

1.5. Website address

www.mahishadalrajcollege.com

Web-link of the AQAR

<http://www.mahishadalrajcollege.com/naac/aqar>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6. Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	71.00	2007	2012
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7. Date of Establishment of IQAC : DD/MM/YYYY

15/06/2008

1.8. Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

(for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

AQAR 2008-2009 has been submitted on 20.09.2015

AQAR 2009-2010 has been submitted on 20.09.2015

AQAR 2010-2011 has been submitted on 20.09.2015

AQAR 2011-2012 has been submitted on 20.09.2015

AQAR 2012-2013 has been submitted on 20.09.2015

AQAR 2013-2014 has been submitted on 20.09.2015

1.9. Institutional Status

University

State

Central

Deemed

Private

Affiliated College

Yes

No

Constituent College

Yes

No

Autonomous College of UGC	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI)	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Type of Institution	Co-educational	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>
	Urban	<input type="checkbox"/>	Rural	<input checked="" type="checkbox"/>
			Women	<input type="checkbox"/>
			Tribal	<input type="checkbox"/>
Financial Status	Grant-in-aid	<input checked="" type="checkbox"/>	UGC 2(f)	<input checked="" type="checkbox"/>
	Grant-in-aid+Self Financing	<input type="checkbox"/>	Totally Self-financing	<input type="checkbox"/>
			UGC 12B	<input checked="" type="checkbox"/>

1.10. Type of Faculty/Programme

Arts	<input checked="" type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input checked="" type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phy Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input type="checkbox"/>		
Others (Specify)	B.Sc . Major in Industrial Chemistry								

1.11. Name of the Affiliating University (*for the Colleges*)

Vidyasagar University

1.12. Special status conferred by Central / State Government – UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt./University	<input type="checkbox"/>	No		
University with Potential for Excellence	<input type="checkbox"/>	No	UGC-CPE	<input type="checkbox"/>
DST Star Scheme	<input type="checkbox"/>	No	UGC-CE	<input type="checkbox"/>
UGC-Special Assistance Programme	<input type="checkbox"/>	No	DST-FIST	<input type="checkbox"/>
UGC-Innovative PG Programmes	<input type="checkbox"/>	No	Any other (<i>Specify</i>)	<input type="checkbox"/>
UGC-COP Programmes	<input type="checkbox"/>	No		

2. **IQAC Composition and Activities**

2.1	No. of Teachers	11						
2.2	No. of Administrative / Technical staff	05						
2.3	No. of students	02						
2.4	No. of Management representatives	04						
2.5	No. of Alumni	02						
2.6	No. of any other stakeholder and community representatives	02						
2.7	No. of Employers / Industrialists	02						
2.8	No. of other External Experts	01						
2.9	Total No. of members	29						
2.10	No. of IQAC meeting held	6						
2.11	No. of meeting with various stakeholders	No.	16	Faculty	08			
	Non-Teaching Staff	06	Alumni	02	Others	---		
2.12	Has IQAC received any funding from UGC during the year ?	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>			
	If yes, mention the amount	<input type="text"/>						
2.13	Seminars and conferences (only quality related)							
	(i) No. of Seminars/Conferences/Workshops/Symposia organized by the IQAC							
	Total Nos.	Nil	International	<input type="checkbox"/>	National State	<input type="checkbox"/>	Institution Level	<input type="checkbox"/>
	(ii) Themes	Nil						
2.14	Significance Activities and contributions made by IQAC							
	I. Monitoring for extension of the affiliation of the subjects of a) Physical Education(Gen) b) B courses in UG Level under Vidyasagar University.							
	II. Monitoring for start the construction of 4-storied new building in abolition of old building.							
	III. Monitoring the process of Internet connection facilities in different departments and Teach Staff Room.							
	IV. Monitoring the process for introduction of UGC network resource centre in our college.							
	V. Monitoring for start the construction of 1 st Floor and 2 nd Floor of Annex of the Lib Lab Build							
	VI. Monitoring the Plan of replacement of Old wiring by new wiring with modern technologies to overcome the voltage drop.							

2.15 Plan of Action by IQAC/Outcome

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 * **2010 – 2011**

Sl.	Plan of Action	Achievements
1.	Preparation of AQAR for NAAC	Functioning
2.	To extend the affiliation of the subjects of a) Physical Education(Gen) b) BCA course under the affiliation of Vidyasagar University.	Affiliation Received
3.	To start the admission process of students in the UG Course Education (Hons) under the affiliation of Vidyasagar University.	Admission completed
4.	To increase the intake capacity of different subjects as per direction of Vidyasagar University and Govt. of West Bengal.	Increased
5.	To start the construction of 4-storied new building in abolition of old building due to lack of classrooms in the college for introducing of different new subjects.	Process started
6.	To start the construction of 1 st Floor, 2 nd Floor of Annex of the Lib Lab Building for the department of Physiology and shifting of the departments of Computer Science and Botany.	Process started
7.	Planning for replacement of Old wiring by new wiring with modern technologies to overcome the voltage drop.	Plan completed
8.	To start the process for computerization of Library with SOUL 2.0 Software supplied by INFLIBNET.	Completed
9.	To start the process for Internet connection facilities in different departments and Teaching Staff Room.	Completed
10.	To start the process for introduction of UGC network resource centre in our college.	Completed
11.	To start the process for "On Line Public Access Catalogue Service" facilities in Central Library.	Completed
12.	To start the process for introducing N-list, E-list (1500) and E-Journals (2500) facilities.	Completed
13.	Purchase of Books from the UGC Fund and the Fund raised by the college.	Purchased
14.	Purchase of Instruments from the UGC Fund and other funds raised by the college.	Purchased

* Attach the Academic Calendar of the year as Annexure

2.16 Whether the AQAR was placed in statutory body

Yes

No

Management

Syndicate

Any other body

Provide the details of the action taken

Management appreciated the IQAC body. They approved all the decision of IQAC.

PART – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
Ph.D	0	0	0	0
PG	0	0	0	0
UG	34	1	0	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	0	0	0	0
Total	34	1	0	0
Interdisciplinary	0	0	0	0
Innovative	0	0	0	0

√

1.2 (i) Flexibility of the Curriculum : CBCS/Core/Elective option / Open options

(ii) Pattern of programmes :

Pattern	Number of programmes
Semester	Nil
Trimester	Nil
Annual	35

1.3 Feedback from stakeholders* (*On all aspects*)

Alumni Yes Parents Yes Employers Yes Students Yes

Mode of feedback : Online Manual Co-operating schools (for PEI)

* Please provide an analysis of the feedback in the Annexure

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects

The decision is taken by the concerned University.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Introduction of new UG Department: I. Education (Hons)

Criterion – II

2. Teaching, Learning and Evaluation

2.1	Total No. of Permanent faculty	Total	Asst. Professor	Associate Professor	Professor	Others
		30	23	06	00	01

2.2 No. of permanent faculty with Ph.D. 06+02=08

2.3	No. of Faculty Position Recruited (R) and Vacant (V) During the year	Asst. Professor		Associate Professor		Professor		Others		Total	
		R	V	R	V	R	V	R	V	R	V
		00	00	00	00	00	00	00	00	00	01

2.4 No. of Guest and Visiting faculty and temporary faculty 50 05 00

2.5 Faculty participation in conferences and symposia :

No. of Faculty	International level	National level	State level
Attended	11	35	60
Presented papers	---	01	01
Resource Persons	---	---	---

2.6 Innovative processes adopted by the institution in Teaching and Learning :

Smart Class room, Student feedback system, Online access through infibnet facility

2.7 Total No. of actual teaching days during this academic year (2010 – 2011) 226

2.8 Examination / Evaluation Reforms initiated by the Institution Nil
(for example : Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development 06 06 06
As member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students 78%

2.11 Course / Programme wise distribution of pass percentage

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.A. (Hons.)	319		1.94	98.06	---	97.18

B.A. (Gen.)	125		----			89.6
B.Sc. (Hons.)	71		17.54	82.46	---	80.28
B.Sc. (Gen.)	09+06=15		26.67			86.67
B.Com (Hons.)	22		9.09	90.91	---	100
B.Com (Gen.)	12					100

2.12 How does IQAC contribute/Monitor/Evaluate the Teaching & Learning processes :

The members of the IQAC take care of the no. of classes held in a month in each subject and take care of the Annual Examination & Internal Assessment, Field Work, Survey.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programme	Number of faculty benefited
Refresher Courses	04
UGC – Faculty Improvement Programme	01
HRD Programmes	---
Orientation Programmes	---
Faculty Exchange Programme	---
Staff training conducted by the University	03
Staff training conducted by other institutions	---
Summer / Winter Schools. Workshops, etc.	03
Others	01

2.14 Details of administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Position	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	21+1=22	03	01	04
Technical Staff	08	05	00	06

Criterion – III

3. Research, Consultancy and Extension

3.1. Initiatives of the IQAC in sensitizing/Promoting Research Climate in the institution

The cell request the Principal of the college to purchase necessary equipments for the Science Laboratories for conducting research work..

3.2. Details regarding major project

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil	Nil	Nil	Nil
Outlay in Rs. Lakhs	Nil	Nil	Nil	Nil

3.3.. Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	00	02	00	00
Outlay in Rs. Lakhs	00	2,00,000	00	00

3.4. Details on research publications

	International	National	Others
Peer Review Journals	02	---	---
Non-Peer Review Journals	---	---	---
e-journals	---	---	---
Conference proceedings	01	04	---

3.5. Details on Impact factor of publications

Range Average h-index Nos. in SCOPUS

3.6. Research funds sanctioned and received from various funding agencies, industry and other organizations

Nature of Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major Projects	Nil	Nil	Nil	Nil
Minor Projects	Nil	Nil	Nil	Nil
Interdisciplinary Projects	Nil	Nil	Nil	Nil
Industry Sponsored	Nil	Nil	Nil	Nil
Projects sponsored by the University/College	Nil	Nil	Nil	Nil
Students research Projects (other than compulsory by the University)	Nil	Nil	Nil	Nil
Any Other (Specify)	Nil	Nil	Nil	Nil
Total	Nil	Nil	Nil	86000.00

3.7. No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8. No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9. For Colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (Specify)

3.10. Revenue generated through consultancy

3.11. No. of conference organized by the Institution

Level	International	National	State	University	College
Number	00	00	02	00	01
Sponsoring agencies	00	00	UGC, State Govt	00	State Govt

3.12. No. of faculty served as experts, chairpersons or resource persons

3.13. No. of collaborations International National Any other

3.14. No. of linkages created during this year

3.15. Total budget for research for current year in lakhs :

From Funding agency	<input type="text" value="10,00,000"/>
From Management of University/College	<input type="text" value="5,00,000"/>
Total	<input type="text" value="15,00,000"/>

3.16. No. of patents received this year

Type of Patent		Number
National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

3.17. No. of research awards/recognitions received by faculty and research fellow of the institute in the year : **N.A.**

Total	International	National	Dist	State	University	College

3.18. No. of faculty from the institution who are Ph.D. Guides
 and students registered under them

3.19. No. of Ph.D. awarded by faculty from the Institution

3.20. No. of Research scholars receiving the Fellowships (New enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21. No. of Participated in NSS events :

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text" value="08"/>	International level	<input type="text"/>

3.22. No. of Participated in NCC events :

University level	<input type="text" value="00"/>	State level	<input type="text" value="42"/>
National level	<input type="text" value="19"/>	International level	<input type="text" value="00"/>

3.23. No. of Awards won in NSS :

University level	<input type="text" value="00"/>	State level	<input type="text" value="00"/>
National level	<input type="text" value="00"/>	International level	<input type="text" value="00"/>

3.24. No. of Awards won in NCC:

University level	<input type="text" value="00"/>	State level	<input type="text" value="00"/>
National level	<input type="text" value="00"/>	International level	<input type="text" value="00"/>

3.25. No. of Extension activities organized

University forum	<input type="text" value="00"/>	College forum	<input type="text" value="00"/>
NCC	<input type="text" value="05"/>	NSS	<input type="text" value="03"/>
		Any other	<input type="text"/>

3.26. Major Activities during the year in the sphere of extension activities and Industrial Social Responsibility

- Control of gathering of peoples in Mahishadal Rathajatra Mela
- Traffic Control in Puja Holidays and other days whenever required by the Mahishadal Police Station.
- To help the workers of the Govt. during the day of Pulse Polio.
- Planted 150 Saplings on World Environment Day.
- Blood donation Camp.
- NCC camp (CATC)

Criterion – IV

4. Infrastructure and Learning Resources

4.1. Details of increase in infrastructure facilities

Facilities	Exiting	Newly created	Source of Fund	Total
Campus area	3.51 acres	00	----	3.51 acres
Class rooms	25	00	----	25
Laboratories	17	00	----	17
Seminar Halls	02	00	00	02
No. of important equipments purchased (\geq 1-0 lakh) during the current year	---	02	UGC	7,00,000
Value of the equipment purchased during the year (Rs. In Lakhs)		4.88717	UGC	4.88717
Others				

4.2. Computerization of administration and library

Yes

4.3. Library Services :

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	13907	-	488	-	14395	-
Reference Books	20860	-	734	-	21594	-
e-Books	00	-	51000	-	51000	-
Journals	19	-	00	-	19	-
e-Journas	00	-	2100	-	2100	-
CD & Video	95	-	18	-	113	-
Other (specify)	-	-	-	-	-	-

4.4. Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	23	10	02	00	00	06	04	01
Added	23	10	02	00	00	06	04	01
Total	00	00	00	00	00	00	00	00

4.5. Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

Computers and Internal access available for teachers, students and employees.

4.6. Amount spent on maintenance in Lakhs :

i) ICT	3,95,810
ii) Campus Infrastructure and facilities	6,25,000
iii) Equipments	80,000
iv) Others	00
Total	11,10,810

Criterion – V

5. Student Support And Progression

5.1. Contribution of IQAC in enhancing awareness about Student Support Services

- i) The Counseling Cell at the time of admission in various courses and in the last year motivates the students regarding subjects taken as the combination subjects in the various classes and how to get the services in the different fields.
- ii) The women Cell constituted as per IQAC guidelines always take care of the Women students of the college.
- iii) Regular meeting among its members emphasizing the need of Job Oriented Courses and to open the new Career Oriented Courses and also advise the departments to organize the seminars to motivate the pupils.
- iv) The IQAC Cell has been trying to organize the Awareness Program through the NCC Unit.
- v) The IQAC Cell has advised the NSS Unit (5 unit) to organize the Awareness Program.
- vi) Introduction of students Feedback system and Feedback system in the Hostels.

5.2. Efforts made by the institution for tracking the progression

- i) Efforts being always made for tracking the progression of the students. When the result of University Examinations like Part-I, Part-II & Part-III Examination has been published, the Academic Committee and Teachers' Council jointly analyze the result of the said examinations and the Heads of the different departments call for every student and discuss with the student.
- ii) Each department analyze the feedback reports in every year and became self motivated.
- iii) The Women Cell and members of IQAC identify the various problems of the girls students both within the campus and outside the campus and solve the said problems of the girls students.
- iv) The Women Cell visits the Women's Hostel in every week and seeking problems the girls students.
- v) The department of Library organizes a "Library Orientation Program" for 1st year student to teach the student about the use of Computerized Library.
- vi) For Industrial Training of the B.Sc. (Voc) students of the Industrial Chemistry, the department of Chemistry placed the students to the Indian Oil Corporation Limited, Haldia and Public Health Engineering (PHE), Geonkhali, Purba Medinipur.

5.3. (a) Total Number of students

UG	PG	Ph.D.	Others
3014	00	00	00

(b) No. of students outside the state

00

(c) No. of International students	00										
	Men		Women								
	No	%	No	%							
	1920	63.70	1094	36.30							
Last Year (2009 – 2010)						This Year (2010 – 2011)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2235	291	03	31	05	2565	2646	315	12	37	04	3014
Demand ratio	1:3.48					Drop out %	27.07%				

5.4. Details of student support mechanism for coaching for competitive examination (if any)

- i) Special Training for Communicative English by the Department of English for the students.
- ii) Career Counseling Cell also monitors the matter.
- iii) Most of the faculties of the different Departments help the students to fill up the forms of several online examinations, downloading questions of different examinations and consulting the websites of relevant sectors.
- iv) The Career Counseling Cell often provide the students model answer papers of

No. of students beneficiaries

200

5.5. No. of students qualified in these examinations

NET	Nil	SET/SLET	Nil	GATE	Nil	CAT	Nil
IAS/IPS etc	Nil	State PSC	Nil	UPSC	Nil	Others	Nil

5.6. Details of students counseling and career guidance

- i) The Career Counseling Cell issue a notice to the students of 3rd year regarding Career guidance.
- ii) The students of the different departments communicate with the Heads of the different departments.
- iii) The Heads of the different departments arrange for the seating with the students regarding career guidance.
- iv) the different departments send the students to the English department for Communicative English.
- v) The different departments arrange for the examinations of the different competitive examinations.

No. of students benefited

230

5.7. Details of campus placement

On Campus			Off Campus
Number of Organizations visited	Number of students Participated	Number of Students Placed	Number of Students Placed
Nil	Nil	Nil	Nil

5.8. Details of gender sensitization program

The college authority organizes seminar on gender budgeting etc. in connection with gender sensitization program.

5.9. Students Activities

5.9.1. No. of students participated in Sports, Games and other events

State/University level National level International level

No. of students participated in cultural events

State/University level National level International level

5.9.2. No. of medals/awards won by students in Sports, Games and other events

Sports : State/University level National level International level

Cultural : State/University level National level International level

5.10. Scholarship and Financial Support

	Number of students	Amount
Financial support from institution	2,600	8,32,000
Financial support from government	700	21,00,000
Financial support from other sources	150	1,50,000
Number of students who received International/National recognitions	Nil	Nil

5.11. Student organized / initiatives **N.A.**

Fairs : State/University level National level International level

Exhibitions : State/University level National level International level

5.12. No. of social initiatives undertaken by the students

5.13. Major grievances of students (if any) redressed : Nil

Criterion – VI

6. Governance, Leadership and Management

6.1. State the Vision and Mission of the institution

Mahishadal Raj College is the third oldest college in the undivided district of Midnapore and fiftieth one under University of Calcutta. The college was founded on August 1, 1946 by Kumar Debaprasad Garga Bahadur, the 'Raja' of Mahishadal and a celebrity in the field of music and fine arts. Now the college is affiliated to Vidyasagar University since 01.06.1985. Situated only twenty kilometers from both Haldia (a potential industrial town of W.B.) and Tamruk (the district headquarter of Purba Medinipur) the college has immensely benefited from its location in a pleasant, placid countryside.

The logo of the college properly reflect its mission. They are Wisdom, Values and Progress. Founded by the Mahishadal Raj during the days of fierce freedom movement at Mahishadal

to enable the poor mofussil boys and girls to promote their higher studies at a very low cost (“after matriculation they had to give up higher studies due to prohibitive cost of education in the metropolis”) and to bring prosperity in the area by diffusing the light of education and to inculcate high values, the college to-day is also committed to providing excellence in education at the undergraduate level in order to empower the rural youth with breadth of knowledge and depth of experience that provide meaningful contribution to their career and also to the community. For this purpose, during the last six decades, the college geared all its academic and extension activities in this direction. To achieve the goals stated in the mission statement the college faithfully follows the following basic objectives :

- i) To provide qualitative and useful teaching in order to prepare the students for higher education.
- ii) To develop personality, quality of leadership and good citizenship in students.
- iii) To inculcate ethical and moral values.
- iv) To create teachers for the future generation.
- v) To prepare the students for entering into a bright career, meeting the social, economic and other challenges, and contributing to peace, human unity and universal welfare.
- vi) To enhance creative skills.
- vii) To develop sense of social services and patriotism through community services.

Our institution has been trying to take steps in developing human and cultural values among the students to fulfill the needs of the society. Some such activities are listed below :

- i) The National Service Scheme (4-units) follows the motto “NOT ME BUT YOU”. It has four adopted villages in every week and set up different awareness programmes. In the Special Puja Camp the volunteers clean the wild plants & herbs, abominable materials and cast-off to save the villagers from environmental pollution. They also clean the drains of the Mahishadal Hospital and other drains of Mahishadal main area.
The National Service Scheme of the college has the linkage with the Consumers Affairs & Fair Business Practice, Department of Govt. of India, the Health Deptt., Govt. of W.B., Lions Club of Mahishadal, Naikundi Janakalyan Samiti, and organized Consumer awareness seminar, TB awareness seminar, Pulse Polio motivation campaign and many other society concerned programmes.
- ii) The Cadets of NCC unit have always organized some different types of awareness Programmes in the area of Mahishadal and Haldia.
- iii) The college has established a “Medical and First Aid Centre” of its own which is regularly attended by a registered medical practitioner. The college has signed a “MOU” with “Bipanna Bandhu”, a local charitable organization for Ambulance Service, emergency trained staff for medical care, oxygen cylinder etc.
- iv) A Yoga Centre has been established where training on Yoga is given by experts.
- v) The cultural unit of the college has taken some steps to organize and celebrate different cultural events and the students play leadership role in University Inter College Cultural Competition.
- vi) In the Sports Unit of the college, the students play a leadership role in University Inter College Sports Competition.
- vii) In the Youth Parliament Competition, the students of the college have played vital role in District and State Level Competition.
- viii) The Blood Donation Camp has been organized by the college authority and Students’ Union in a fixed day of every year.
- ix) The college conducts educational tour every year before the Puja Holidays. The tour is guided by the teachers and the staff of the college.

Departmental tours are organized by different departments for broadening the knowledge of the students in their respective areas as per syllabus of Vidyasagar University.

In spite of that, the institution is trying to take initiative for opening of new subjects and for developing the existing infrastructure etc. The institution aims at :

- To enhance the affiliation of the subject of a) Music (Gen) b) Physiology (Gen) c) Hindi (Gen) d) Nutrition (Hons) in UG level under the affiliation of Vidyasagar University., ,
- To start the process for replacement of Old wiring by new wiring with modern technologies to overcome the voltage drop.
- Make a plan for the construction of 6-storied building for class rooms from the fund of one time central assistance.
- Make a plan for the construction of Swimming Pool and Sports Hall from the fund of UGC during XI th plan period in the 2nd Campus of our college.
- Make a plan for purchase of Sports Goods from the fund of UGC during XI th plan period to enrich the Sports Hall.
- Make a plan for the purchase of Land to extend the 2nd Campus of our college for future plan.

6.2. Does the Institution has a management Information System : Yes

Two way communication system is functioning for taking as well as implementing decision in the academic and administrative affairs.

6.3. Quality improvement strategies adopted by the institution for each of the following :

6.3.1. Curriculum Development

The college is affiliated to Vidyasagar University. The syllabi of the different courses has been supplied by the University

The Lesson Plan has been developed on the basis of the discussion with the Principal, Academic Sub-Committee and Teachers' Council. The resolution of the meeting is placed before the G.B. for formal approval

The quality of the policy is properly monitored and reviewed by the Principal, Academic Sub-Committee and Teachers' Council on the basis of the students' performance in the Internal Assessment (terms & conditions prescribed by the University), Annual result and success in various fields of competitive examinations.

The Principal of the college takes steps regarding feedback of the success and he is the executor of the decisions which is taken by the different Sub-Committee.

The decision making process includes the flowing steps :

- i) The proposal taken by the different Sub-Committee or different wings send to the Principal of the college.
- ii) The Principal meets the respective Sub-Committee and stakeholders to discuss the merit of the proposals.
- iii) Then the Principal of the college placed the proposals before the G.B.
- iv) The Governing Body consult the University Statute, Acts, Regulations and Govt. Orders and take final decision on the matter.

6.3.2. Teaching and Learning

- i) Preparation of the routine of the need based class and observation by the Routine Committee.
- ii) Allotment of sufficient class rooms to complete the syllabus in due time.
- iii) Maintenance of Laboratories of the different practical based subjects.
- iv) Purchase of New Books as per syllabus for the Central Library and Departmental Library.
- v) Purchase of Teaching Learning Aids and Laboratory Equipments and chemicals..

- vi) Offering the facilities to use modern technology.
- vii) Offering sports training throughout the session.
- viii) Offering cultural training throughout the session.
- ix) Offering social service workshop throughout the session.

6.3.3. Examination and Evaluation

- i) Examination and Evaluation pattern has been set up as per University guidelines.
- ii) Arrangement of Class Tests in different departments.
- iii) Arrangement of Seminar Classes in different departments.
- iv) Arrangement of Tutorial and Remedial classes for the weaker students

6.3.4. Research and Development

- i) Build up Research infrastructure of the college.
- ii) Supply of sufficient computers to the Researchers with internet facilities.
- iii) Purchase of requisite books and journals for researchers.
- iv) Reward to the researchers for publication to encourage in research engagement..
- v) To insist the teachers to do the research work for Ph.D. Degree and the research oriented work.
- vi) To motivate the teachers for Minor Research Project of UGC.

6.3.5. Library, ICT and physical Infrastructure / Instrumentation

- i) The central library of the college has a Library Sub-Committee for monitoring the activities of the library
- ii) Every department has a Departmental Library.
- iii) Lending facilities for Teachers. Non-teaching staff and students
- iv) Reading Room Service facilities
- v) Reprographic service facilities
- vi) Information Service
- vii) Fully Computerized
- viii) Internet Service
- ix) On line public access catalogue system
- x) Enlisted INFLIBNET service programme
- xi) e-books and e-journals facilities

6.3.6. Human Resource Management

- i) Governing Body
- ii) Teachers' Council
- iii) Different Sub-Committees constituted by the Governing Body as per statute of Vidyasagar University
- iv) Sports Committee
- v) Cultural Committee
- vi) Students' Union
- vii) Different Executive Bodies constituted with the students, teachers and non-teaching staff.
- viii) Advisory Committee of N.S.S.
- ix) Beautification Committee
- x) Women Cell
- xi) Anti-Ragging Cell
- xii) Advisory Committee of Director of Distance Education.

6.3.7. Faculty and Staff recruitment

- i) Permanent Whole time Teachers are appointed by the Governing Body on the basis of the recommendation of The West Bengal College Service Commission, West Bengal.
- ii) Approved Part-time Teachers are appointed by the Governing Body on approval of the Higher Education Department, Govt. of West Bengal
- iii) Guest Teachers are appointed by the Governing Body through the Selection Committee.
- iv) Permanent Whole time Non-teaching Staff are appointed by the Governing Body through the Selection Committee constituted as per guideline of the Higher Education Department, Govt. of West Bengal
- v) Casual Non-teaching Staff are appointed by the Governing Body through the Selection Committee.

6.3.8. Industry Interaction/ Collaboration

- i) An Industry Interaction/Collaboration has been made with the Indian Oil Corporation Limited, Haldia, West Bengal for Industrial Training of the students of Industrial Chemistry.
- ii) An Industry Interaction/Collaboration has been made with the Public Health Engineering, Geonkhali, Purba Medinipur Medinipur, West Bengal for Industrial Training of the students of Industrial Chemistry.

6.3.9. Admission of Students

- i) Publicity of admission is made through Local News Papers, College Website, Prospectus and College Notice Board
- ii) Admission of students is purely on merit basis.
- iii) State reservation policy has been adopted during the admission.

6.4. Welfare Schemes for

Teaching	College Co-operative
Non-Teaching	College Co-operative
Students	Students Aid Funds, Tuition Fees Concession from the college fund, Medical facilities through College Medical Unit

6.5. Total corpus of fund generated **for the session 2010 – 2011**

- i) College Fund : Rs. 62,07,521/-
- ii) UGC : Rs. 1,12,64,096/-
- iii) State Govt. : Rs 2,81,44,562/-
- iv) Others : Rs. 11,8,500/-

Total : Rs 4,57,34,679/-

6.6. Whether annual financial audit has been done ?

Yes

No

6.7. Whether Academic and Administrative Audit (AAA) has been done ?

Audit Type	External		Internal	
	Yes / No	Agency	Yes / No	Agency
Academic	Yes	University, NAAC	Yes	Academic Sub-Committee, Heads of the different departments.
Administrative	Yes	Accounts Section of the Director of Public Instruction, Govt. of West Bengal	Yes	Bursar, Internal Audit Committee, Finance Committee constituted by the G.B.

6.8. Does the University / Autonomous College declares results within 30 days ? **N.A.**

For UG Programmes	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
For PG Programmes	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>

6.9. What efforts are made by the University/Autonomous College for Examination Reforms ? **N.A.**

6.10. What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? **N.A.**

6.11. Activities and Support from the Alumni Association

The Alumni Association is very important to the stakeholders. The Association is actively involved in the all round development programmes of the college. The ex-students of our college have formed the Alumni Association since 1997 with Registration No. S/IL/15938 of 2003-2004 as per Registration of Societies West Bengal Act XXVI of 1961. A Biennial Conference was held on regular basis in the college campus in the first Sunday of February. A popular seminar and other cultural activities were held in the conference. A Biennial Magazine was also published in the conference in the regular basis to express the views and suggestions about the college development in all aspects. They constructed a Ex-students Block to fill up the scarcity of rooms and they donate Books for Library and Water Cooler Machine and others in every conference. Moreover, retired teachers, officers and other eminent persons who were the students of our college were remain present in the said conference and placed the different development planning and other academic related aspects of the college.

The Mission & Vision of the Alumni Association of the college :

- i) To consolidate the relation between the alumni and the present students and to help maintain the academic environment of the college.
- ii) To arrange and organize lectures, debates, discussions, seminars and excursions for the diffusion of knowledge.

- iii) To publish or cause to be published useful literatures papers, magazines, books etc.
- iv) To study, cultivate and demonstrate the art of music and dancing.
- v) To promote and encourage advancement of literacy, cultural, political, religious, scientific and technical education.
- vi) To help the needy students of the college, for prosecution of studies.
- vii) To collect and preserve manuscripts, painting, sculptures, works of art, antiquities, natural history specimens, mechanical and scientific instruments and design
- viii) To help the aged, sick, helpless and indigent alumni.

The Present Organizing Body of the Alumni Association:

1. Prof. Haripada Maiti	:	Patron of the Association
2. Dr. Asim Kr. Bera	:	Principal, President of the Association
3. Sri Pravanjan Mishra	:	Vice President
4. Sri Jagannath Santra	:	Vice President
5. Smt. Anjali Guha	:	Vice President
6. Sri Sripati Charan Giri	:	Vice President
7. Sri Jitendranath Maity	:	Vice President
8. Sri Dasarathi Hazra	:	Vice President
9. Sri Murari Mohan Maity	:	Vice President
10. Sri Piyarimohan Maity	:	Vice President
11. Sk. Abdul Jabbar Ali	:	Vice President
12. Sri Purnendu Kumar Choudhur	:	Vice President
13. Prof. Syama Jana (Giri)	:	Joint General Secretary
14. Sri Sasanka Sekhar Maji	:	Joint General Secretary
15. Sri Biswanath Tripathy	:	Secretary
16. Sri Brajendranath Barman	:	Secretary
17. Sri Debasish Maity	:	Secretary
18. Sri Tilak Kumar Chakraborty	:	Secretary
19. Sri Mridul Das Bayen	:	Secretary
20. Sri Surendu Manna	:	Secretary
21. Prof. Subodh Chandra Maiti	:	Cashier

6.12. Activities and Support from the Parent – Teacher Association

Parents contribute important function for development of the college. The college always maintains the relationship with the guardians. If there arise any problem of the students the college authority calls the respective guardians to solve the issues. The college authority invites the guardians and local pupils in the different cultural activities of the college. We have made arrangement for Soil Test in the Department of Chemistry for each farmer who are by occupation. A One day workshop has been organized in our college with the parents on consumer affairs by the Department of 'Consumer Affairs and Fair Business Practice' Govt. of West Bengal. The parents may come to our college to solve any problem of their ward.

6.13. Development programmes for support staff

- i) The college has sufficient No. of computers in the different departments and office with internet connection for the purpose of developing their knowledge.
- ii) There are Staff Room, Boys' & Girls' Common Rooms with T.V. and other entertainment facilities.
- iii) The college regularly arranges State/National Level Seminars for the advancement of learning.
- iv) The institution always looks after scopes for faculty development through training, retraining and motivating the employees for the roles and responsibility they perform.

- v) Vidyasagar University and Academic Staff Colleges of other Universities arrange various programmes time to time to refresh and orient the knowledge of the teaching & non-teaching staff. The teaching & non-teaching staff of our college participate in these programmes.
- vi) The teachers often participate in National and International Seminars/Conferences/Refresher Courses and Orientation Courses for developing their knowledge.
- vii) The different departments of our college organize student seminars in the respective departments regularly.

6.14. Initiatives taken by the institution to make the campus eco-friendly

- i) A Sub Committee has been constituted by the Governing Body in this issue to make the campus eco-friendly.
- ii) The Sub-Committee has taken initiation every year for 'Tree Plantation' by the members of the NSS & NCC Units and Students' Union.
- iii) They clean the campus in every week.
- iv) To maintain the environment around the college campus, the students of the college clean the big pond beside the college campus.
- v) The students of the college contribute to maintain Green Campus inside the college with the help of our Gardener (Mali).
- vi) The students and employees of the college have taken initiation to make the campus free from plastic.

Criterion – VII

7. Innovations and Best Practices

7.1. Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details

- i) Beautification Committee, 2010
- ii) Women Cell, 2010
- iii) Research Cell, 2010
- iv) Cultural Unit, 2010
- v) Facilities of Computerization of office.
- vi) Computerization of Library
- vii) Grievance Redressal Cell, 2010
- viii) Scholarship Monitoring Committee, 2010

7.2. Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year 2010(July) to 2011 (June):

- i) Prepared the AQAR for NAAC for the period 2010(July) to 2011 (June).
- ii) Affiliation received of the subject a) Physical Education (Gen) and b) BCA course under the affiliation of Vidyasagar University.
- iii) Admission process completed of the students in the UG Course Education (Hons) under the affiliation of Vidyasagar University.
- iv) Increased the intake capacity of different subjects as per direction of Vidyasagar University and Govt. of West Bengal.
- v) Process started for the construction of 4-storied new building in abolition of old building due to lack of classrooms in the college for introducing of different new subjects.
- vi) Process started for the construction of 1st Floor, 2nd Floor of Annex of the Lib Lab Building for the department of Physiology and shifting of the departments of Computer Science and Botany.
- vii) Planning completed for replacement of Old wiring by new wiring with modern technologies to overcome the voltage drop.

- viii) Computerization process completed of Library with SOUL 2.0 Software supplied by INFLIBNET.
- ix) Process completed for Internet connection facilities in different departments and Teaching Staff Room.
- x) Process completed for introduction of UGC network resource centre in our college.
- xi) Process completed for “On Line Public Access Catalogue Service” facilities in Central Library.
- xii) Process completed for introducing N-list, E-list (1500) and E-Journals (2500) facilities.
- xiii) Purchased the Books from the UGC Fund and the Fund raised by the college.
- xiv) Purchased the Instruments from the UGC Fund and other funds raised by the college.

7.3. Give two Best Practices of the institution (*Please see the format in the NAAC Self-study Manuals*)

Best Practice – 1

1. **Title of the Practice:** Title : Physical and socio – economic Environment (A case study of Rural – Urban fringe area of SUTAHATA BLOCK – 1, Dist. Purba Medinipur, West Bengal by the Department of Geography).

2. **Goal:**

The study of the physical and socio–economic Environment, in the rural – Urban fringe area of SUTA HATA BLOCK – 1, Dist.-Purba Medinipur, West Bengal, near Haldia, a potential industrial town of West Bengal through the students of Geography department of our college is the one of the best practice of our college. The objectives of the study is to know the physical and socio-economic condition and various environmental and social problems of the above mentioned area. Knowledge is the queen of world resource. In every aspect the social Science field study is essential Social Science is basically deals with the mass environment relationship – Geography is the most integrated Social Science. It is an interdisciplinary subject, therefore it requires such type of survey to develop the society and to compare it to the other surveys of the other parts of India.

3. **The Context:**

Every field work has some aims and objectives. The main objectives of the survey of the particular area are to know the physical and socio – economic features of the people of this area.

- (i) To identify the salient features of the selected area.
- (ii) To identify the social condition and impact of human life.
- (iii) To identify the different types vegetation.
- (iv) To know the demographic characteristics of the study area.
- (v) To know the educational facilities and level of residential pattern.
- (vi) To know the economic condition and occupational structure.
- (vii) To know the income & expenditure of the different families.
- (viii) To compare between the economical condition of the families and mode uses of sanitary facilities.
- (ix) To know the utilization land.
- (x) To know the availabilities Govt. facilities for the up grading of economical condition of the families and to know the various problem.

4. **The Practice:**

The college has introduced some methodical process to complete the survey in connection with the physical and socio – economic environment of the stipulated area through the department of Geography of our college. We have taken following steps in this regard:

- (i) The Principal of the college called in the Head of the department and other teachers to discuss the matter relating to said survey.

- (ii) The students and teachers jointly collect the primary data from the villagers by door to door rounding.
- (iii) The secondary data like various maps, meteorological data were collected by the students and teachers from the internet, from the office of the S.D.O., B.D.O., B.L.O.
- (iv) They compare between the primary and secondary data.
- (v) They draw some graphs in this connection and take some conclusion.
- (vi) After completion of the survey the findings have been sent to the office of the Gram Panchayet, Panchayet Samity, B.D.O., S.D.O., D.M. and the compete tent office the Govt. of West Bengal.

5. Evidence of Success:

We find that:

- (i) Considering the Geological structure, the survey region is plain land and Agricultural land.
- (ii) The drainage system is not good.
- (iii) This area has been covered by the tropical dry Evergreen Forest and Littoral Forest.
- (iv) This area is covered by alluvium soil.
- (v) Average maximum & minimum temperatures 36°c and 10°c respectively.
- (vi) Average maximum & minimum rainfall are 19.94 cm and 0.9 cm.
- (vii) % of Male population is 53.06 and Female population is 46.94.
- (viii) Average sex ratio is 885.00.
- (ix) Average % of Male literate is 50.22 and Female literate 42.03.
- (x) Average % Graduate is 9.26 and Post Graduate is 2.47.
- (xi) Average % General caste is 79.10, schedule caste is 17.6, scheduled Tribe is 2.24 and OBC is 1.49.
- (xii) Average % of the Income Level of Rs.5000.00 – 10,000.00 is 24.24.
- (xiii) The distance of the Primary Schools, Secondary Schools and H.S Schools.
- (xiv) The distance Primary Health Centre and Health care Centre.
- (xv) We also find the ratio between the population and agricultural land area.

6. Problems Encountered and Resources Required.

- (i) Head of the department of Geography at first organizes seminar in connection with the survey.
- (ii) The Principal of the college communicates with the Head of the Department to do the survey properly.
- (iii) The college authority sanctioned some amount for the survey.
- (iv) The villagers do not want to supply actual data of their families.
- (v) To get the date from the Govt. Office is too much trouble some.

7. Notes (Optional):

As a result, the students of Geography Department successfully completed the work of survey. We find good result of that survey and send it to the competent authority of the Govt. to take proper steps in this regard.

8. Contact Details:

Name of the Principal : Dr. Asim Kumar Bera
 Name of the Institution : Mahishadal Raj College
 City : Kolkata
 Pin code : 721628
 Accredited Status : "B" Level
 Work Phone : 03224 -240220
 Website : www.mahishadarajcollege.com.
 Mobile No : 9434964960
 Fax No. : 03224 -240220
 E – Mail ID : mrc_md1@yahoo.co.in/akbera1957@gmail.com

Best Practice 2 :

1. Title of the Practice:

Soil Testing in the Department of Chemistry:

2. The Goal:

Soil testing is one of the most important management practices for crop production in the new millennium. It is one of the best management practices recommended by industry and university agronomists, consultants, and farm managers for the benefit of their farmer clients. Fertilizer dealers also continue to use soil testing as a planning and marketing tool and as a management support service for their customers. Likewise, the environment benefits, from improved management of soil resources and fertilizer materials made possible by soil testing.

Periodic soil testing, combined with a good record-keeping system for each field (including information on prior soil test, fertilizer and manure applications, and crop yields) serves as a gauge to indicate whether soil fertility is increasing, decreasing, or remaining constant. Fertilizer use and crop yield statistics indicate that soil fertility on many farms may be declining due to deficient nutrient management.

The consequences of "mining" soil nutrients may not become apparent for several years. If no nutrients are applied in a corn-soybean rotation with high or very high soil tests, the PI-phosphorous (P) soil test will typically drop 5 to 6 pounds per acre per year (lbs/yr), and the potassium (K) soil test will decline approximately 10 to 15 lbs/yr. If this trend continues, substantial loss in crop yield potential will result, and it may take several years of higher fertilizer rates to restore optimum productivity. Allowing soil test levels to decline is destructive to future productivity and profitability.

3. The context:

(i) Soil testing is a management practice that helps identify the variability of nutrient content within a field and among different fields on a farm. The process involves chemical analysis of representative samples of soil from a given field, along with calibration data derived from research on similar soils, to provide an estimate of the expected yield responses to applications of fertilizer materials.

(ii) The greatest potential for error in the process lies in field sample collecting. Since a 1-pound sample of soil submitted for lab analysis actually represents the soil from 1 to 40 acres (and up to 80 million pounds of soil in the 6 inches), getting truly representative samples is a critical step. The laboratory will actually use less than a teaspoon of soil from the sample. If a good sample is collected, the results of the test should provide a reliable estimate of the nutrient status of the soil. Increasing the number of samples from a field can help improve the reliability of the recommendations.

(iii) The nutrient level found in a test sample indexes the relative amount of that nutrient in the soil and its availability to plants. The soil test number itself is meaningless without the appropriate set of calibration data with which to compare it. The result of the correlation and calibration data is reflected in the soil test ratings—low, medium, high, and so on.

Though it is difficult to implement the soil testing project in the department of chemistry the college authority is trying its best to meet with the desired goal.

4. The Practice:

The department of chemistry of our college has taken same methodical process to help the farmers of the locality and to achieve environmental benefits.

(a) Farmer benefits:

(i) Farmers should use soil testing as a management tool for making scientifically sound management decisions about their soil fertility program. A fertility management program based on soil testing benefits the farmer in many ways:

(ii) Improved yields and profitability from providing needed nutrients for the crop.

- (iii) Increased uniformity of nutrient availability across a field, optimizing response to other management inputs.
- (iv) More uniform crop growth, which makes individual plants more competitive with weeds and simplifies other management practices such as cultivation, spraying, etc.
- (v) More uniform plant maturity within a field, simplifying crop harvesting and drying a improving market quality.
- (vi) Allocation of fertilizer dollars to the nutrients that will give the greatest increase in profit. Intensive sampling and variable-rate fertilizer application allow fine-tuning of fertilizer applications within a field.

(b) Environmental benefits:

The environment benefits from increased soil testing because fertilizer applications based on soil tests and realistic crop yield ensure proper rates are recommended and applied. More efficient use of plant nutrients by growing crops means less potential losses from leaching or surface runoff into waterways. Site-specific fertility management ensures growers identify nutrient needs properly and make the proper corrective fertilizer applications. Withholding needed fertilizer may be more damaging than applying the proper amount of fertilizer to produce a high-yielding, profitable crop, since poorly nourished crops leave less plant residue to hold soil in place. Further, providing optimum levels of all nutrients helps increase yields and may help reduce the need for intensively farming some marginal land.

5. Evidence of Success:

We find that:

(a) Soil testing is agronomically sound:

Soil testing is based upon years of scientific study of sampling procedures, crop yield responses to fertilizer application and interactions of plant nutrients with other production factors. Scientists have proved that soil tests provide the information necessary to make intelligent decisions on the amounts and composition needed to achieve a selected yield goal for a specific soil-climate-management system.

(b) Soil testing is economically efficient:

To grow a crop efficiently and to maximize return on every dollar spent on fertilizer, it's important to apply the right combination and rates of fertilizer materials. Soil test information paired with a realistic yield goal is essential to making the best decisions on fertilizer needs. Without soil tests it's impossible to know which nutrients are in short supply and which ones are adequate for the crop. Total fertilizer costs are sometimes reduced through use of soil tests, but even more important, farmers invest their dollars on the nutrients most needed by crop.

(c) Soil testing is environmentally responsible:

The potential for environmental problems can be greatly reduced through a fertilizer management program based on soil testing. Fertilizer application according to soil test results ensures the proper combination of nutrients for the most efficient utilization by the crop. Potassium fertilizer, for example, can increase the efficiency of nitrogen (N) utilization. As K application is increased, the most profitable level of N application is also increased. But without knowing the K soil test level, it's impossible to determine the most efficient rate of N.

Balancing N, P, K, sulfur (S) and magnesium (Mg) is essential to efficient use of each of these nutrients, attaining the most profitable yields and protecting the environment. In the research project, the most profitable combination came when growers balanced N, P and K applications based on soil test information. This was also the combination that produced the highest yields and left the least N in the soil for potential loss to groundwater and surface water. Leaving out P or K caused reduced yields reduced efficiency, and left a portion of the N fertilizer unused by the crop.

Frequent soil testing helps farmers decide whether their current management is robbing future productivity and profits. Combined with local calibration data from university research, soil testing serves as the best guide available for determining nutrient needs for growing crops, Soil testing to provide a balanced fertility program is a vital component of sustainable farming programs that are profitable efficient and environmentally responsible.

(d) Soil testing as part of sustainable approach to soil health:

Soil is complex, living system, and this brief overview can only scratch the surface of our ever-expanding knowledge about what it takes to improve soil health. A sustainable approach focuses on long-term organic strategies to build up soil fertility and soil tilt. (Our Food for Thought section includes a number of historical documents from soil experts including this PDF of the 1938 article by the late Dr. William Albrecht on building up organic matter in the soil).

6. Problems Encountered and Resources Required:

- (i) The college authority at first requests some farmers of the locality to meet with the teachers of the chemistry department to discuss the matter regarding the benefits of the soil testing.
- (ii) But the farmers of the locality are not interested to do the soil testing.
- (iii) We are trying best to make it success.
- (iv) The college authority has sanctioned some amount of money for successful running of the project.

7. Notes (Optional):

As a result a few numbers of farmers has been benefited by the soil testing from the department of chemistry.

8. Contact Details:

Name of the Principal : Dr. Asim Kumar Bera
Name of the Institution : Mahishadal Raj College
City : Kolkata
Pin code : 721628
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Website : www.mahishadarajcollege.com.
Mobile No : 9434964960
Fax No. : 03224 -240220
E – Mail ID : mrc_mdl@yahoo.co.in/akbera 1957@gail.com.

7.4. Contribution to environmental awareness / protection

The environmental awareness/protection is the part of education of a student of the college. The college authority has taken following steps in this matter:

- i) Tree Plantation is essential to neutralize the harmful effects of the Green House Gas.
- ii) To protect the campus the students are prevented to use plastic in the campus.
- iii) Drinking water is protected. Purified drinking water is provided to maintain the hygiene of the students.
- iv) There is the arrangement for Hazardous Waste Management.
- v) Creation of over 65 db sound is prohibited as the intensity of sound over 65 db creates Heart Attack etc.
- vi) An Orientation Program has been conducted in the college for the students on how to save the society from social environmental pollution.
- vii) The NCC and NSS Units conduct the environmental awareness program in the locality.
- viii) Proper Management of Electricity.
- ix) Regular check and repairing of the damp area of the building.

7.5. Whether environmental audit was conducted ?

Yes

No

7.6. Any other relevant information the institution wished to add. (for example SWOT Analysis)

Nil

8. Plans of institution for next year (2011 – 2012)

- Preparation of re-accreditation of NAAC.
- To extend the affiliation of the subject of a) Music (Gen) b) Physiology (Gen) c) Hindi (Gen) d) Nutrition (Hons) in UG level under the affiliation of Vidyasagar University., ,
- To start the admission process of students in the UG Courses a) Physical Education (Gen) b) BCA under the affiliation of Vidyasagar University.
- To start the process for replacement of Old wiring by new wiring with modern technologies to overcome the voltage drop.
- Planning for the construction of 6-storied building for class rooms from the fund of one time central assistance.
- Planning for the construction of Swimming Pool and Sports Hall from the fund of UGC during XI th plan period in the 2nd Campus of our college.
- Planning for purchase of Sports Goods from the fund of UGC during XI th plan period to enrich the Sports Hall.
- Planning for the purchase of Land to extend the 2nd Campus of our college for future plan.
- Purchase of Books from the UGC Fund and the Fund raised by the college.
- Purchase of Instruments from the UGC Fund and other funds raised by the college.

PROF. BADAL KUMAR BERA

Badal Kumar Bera

Signature of the Coordinator, IQAC

PROF. ASIS DE

Asis De

Signature of the Joint Coordinator, IQAC

DR. ASIM KUMAR BERA

Asim Kumar Bera

Signature of the Chairperson, IQAC





MAHISHADAL RAJ COLLEGE ACADEMIC CALENDAR For the session 2010 – 2011

1st Term : From 01-07-2010 to 07-11-2010

Month	Date	No. Of no-class days	No. Of days available for classes/Examinations	remarks
1	2	3	4	5
July - 2010	01-07-10 TO 07-07-10	1 Day	6 Days	04-07- 2010 (Sunday)
	08-07-10 To 14-07-10	2 Days	5 Days	11-07-2010 (Sunday) 13-07-2010 - (Rathaajatra) 08-07-2010 - (Commencement of 1 st , 2 nd , 3 rd , year B.A. / B.Sc. / B.COM Classes.
	15-07-10 To 21-07-10	1 Day	6 Days	18-07-2010 (Sunday) 22-07-2010 – Last date of submission of academic auditing report to V.U.
	22-07-10 To 28-07-10	1 Day	6 Days	25-07-2010 (Sunday) 22-07-2010 - Last date of admission of 1 st year B.A./B.Sc./B.COM students.
July – August - 2010	29-07-10 To 04-08-10	1 Day	6 Days	01-08-2010 (Sunday) 04-08-2010 - Last date of admission of 1 st year B.A./B.Sc./B.COM students.

August - 2010	05-08-10 To 11-08-10	1 Day	6 Days	08-08-2010 (Sunday)
	12-08-10 To 18-08-10	1 Day	6 Days	15-08-2010 (Independence day) 25-08-2010 - Last date oif submission of registration form to V.U. for 1 st year B.A./B.Sc./B.COM students <u>Without</u> <u>fine.</u>
	19-08-10 To 25-08-10	1 Day	6 Days	22-08-2010 (Sunday)
August & September - 2010	26-08-10 To 01-09-10	2 Days	5 Days	29-08-2010 – (Sunday) 01-09-2010 – Janm estami
September - 2010	02-09-10 To 08-09-10	1 Day	6 Days	05-09-2010 – (Sunday)
	09-09-2010 To 15-09- 2010	2 Day	5 Days	11-09-2010 – Id-UI- FITAR
	16-09-2010 To 22-09- 2010	1 Day	6 Days	12-09-2010 – (Sunday), 19-09- 2010 – (Sunday), 26- 09-2010 – Sunday
	23-09-29-09- 2010	2 Day	5 Days	Vidyasagzar Birthday, 29-09-2010 – University Foundation Day, 31- 08-2010 – Last date of admission for 2 nd & 3 rd year B.A./B.Sc./B.COM. students., 06-09- 2010 – Last date of submission of Teachers' Bio-data to V.U., 09-09-2010 –

				Last date of submission of registration form to V.U. for 1 st year B.A./B.Sc./B.COM. students <u>with fine.</u> Inter College Cultural Meet.
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Sept. & Oct.- 2010	30-09-10 To 06-10-10	2 Days	5 Days	02-10-2010 – (Mahatma Gandhi's Birthday) 03-10-2010 – (Sunday) **Student's Union Election to held in between 04-10-2010 To 11-10-2010
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October - 2010	07-10-10 To 13-10-10	3 Days	4 Days	Puja Holidayas
	14-10-10 To 20-10-10	7 Days	Nil	
	21-10-10 To 03-11-10	7 Days	Nil	
October & November - 2010	28-10-10 To 03-11-10	7 Days	Nil	
November - 2010	04-11-10 To 07-11-10	4 Days	Nil	
		83 Days		

For Hons. Students at least 2 Class Test per paper and for general students at least 1 Class Test per paper will have to be conducted by the College within the period of 1st term.

For the session 2010 – 2011

2nd Term : From 08-11-2010 to 01-01-2010

Month	Date	No. Of no-class days	No. Of days available for classes/Examinations	remarks
1	2	3	4	5
November - 2010	08-11-10 To 10-11-10	Nil	3 Days	14-11-2010 – (Sunday) 15-11-2010 – (Jagadhatri Puja)
	11-11-10 To 17-11-10	3 Days	4 Days	17-11-2010 – (Id-Ud-Zoha) 14-11-2010 – (Sunday) 15-11-2010 – (Jagadhatri Puja) 17-11-2010 – (Id-Ud-Zoha)
	18-11-10 To 24-11-10	1 Day	6 Days	21-11-2010 – (Sunday & Guru Nanak's Birth day)
November & December - 2010	25-11-10 To 01-12-11	1 Day	6 Days	28-11-2010 – (Sunday) **Annual sports of college.

December - 10	02-12-10 To 08-12-10	1 Day	6 Days	05-12-2010 – (Sunday)
	09-12-10 To 15-12-10	1 Day	6 Days	12-12-2010 – (Sunday) **Inter College sports of V.U.
	16-12-10 To 22-12-10	2 Days	5 Days	17-12-2010 – (Muharram) 19-12-2010 – (Sunday)
	23-12-10 To 29-12-10	5 Days		25-12-2010 To 01- 01-2011 (Winter Recess).
December & January - 11	30-12-2010 To 01-01- 2011	3 Days	Nil	30-12-2010 To 01- 01-2011 (Winter Recess).
			38 Days	

N.B. : For Hons. Students at least 2 class test per paper will have to be conducted by the college within the period of 2nd term.

For the session 2010 – 2011
3rd Term : From 02-01-2011 to 30-06-2011

Month	Date	No. Of no-class days	No. Of days available for classes/Examinations	remarks
1	2	3	4	5
January - 2011	02-01-11 To 05-01-11	1 Day	3 Days	02-01-2011 – (Sunday)
	06-01-11 To 12-01-11	1 Day	6 Days	09-01-2011 – (Sunday).
	13-01-11 To 19-01-11	1 Day	6 Days	16-01-2011 – (Sunday).
	20-01-11 To 26-01-11	2 Days	5 Days	23-01-2011 – (Sunday & Netaji's Birth Day) 26-01-2011 – (Republic Day)
January & February - 2011	27-01-11 To 02-02-11	1 Day	6 Days	30-01-2011 – (Sunday)

February - 2011	03-02-11 To 09-02-11	3 Days	4 Days	06-02-2011 – (Sunday 08-02-2011 & 09- 02-2011 – (Saraswati Puja)
	10-02-11 To 16-02-11	2 Days	5 Days	13-02-2011 – 9Sunday 16-02-2011 – Fateha Duwaz Daham)
	17-02-11 To 23-02-11	1 Day	6 Days	20-02-2011 – (Sunday
February & March - 2011	24-02-11 To 02-03-11	1 Day	6 Days	27-02-2011 – (Sunday
March - 2011	03-03-11 To 09-03-11	1 Days	6 Days	06-03-2011 – (Sunday) 05-03-2011 – Closing of 3 rd year B.A./B.Sc./B.COM closes.
	10-03-11 To 16-03-11	1 Days	6 Days	13-03-2011 – (Sunday
	17-03-11 To 23-03-11	2 Days	5 Days	19-03-2011 – (Doljatra) 20-03-2011 – (Sunday
	24-03-11 To 30-03-11	1 Day	6 Days	27-03-2011 – (Sunday
March & April - 2011	31-03-11 To 06-04-11	1 Day	6 Days	03-04-2011 – (Sunday 31-03-2011 – (Closing of 1 st and 2 nd year B.A./B.Sc./B.COM Classes)

April - 2011	07-04-11 To 13-04-11	1 Days	6 Days	10-04-2011 – (Sunday)
	14-04-11 To 20-04-11	3 Days	4 Days	14-04-2011 – (Chaitra Sankranti) 15-04-2011 – (Bengali New Year's Day. 17-04-2011 – (Sunday)
	21-04-11 To 27-04-11	3 Days	4 Days	01-05-2011 – (Sunday & May Day)
April & May- 2011	28-04-11 To 04-05-11	1 Days	6 Days	08-05-2011 – (Sunday) 09-05-2011 – (Rabindranath Birthday)
May - 2011	05-05-11 To 11-05-11	2 Days	5 Days	16-05-2011 to 18-05-2011 – (Summer Recess) 17-05-2011 – (Buddha Purnima)
	12-05-11 To 18-05-11	3 Days	4 Days	(Summer Recess)
	19-05-11 To 25-05-11	7 Days	Nil	

May & June - 2011	26-05-11 To 01-06-11	7 Days	Nil	(Summer Recess)
June - 2011	02-06-11 To 08-06-11	7 Days	Nil	
	09-06-11 To 15-06-11	7 Days	Nil	
	16-06-11 To 22-06-11	7 Days	Nil	
	23-06-11 To 29-06-11	7 Days	Nil	
	30-06-11	1 Day	Nil	
			105 Days	

N.B : ** for Honours students at least 2 class Test per paper and for General students at least 1 class test per paper will have to be conducted by the college within the period of the 3rd Term.

** Principal / T.I.C. are requested to follow the academic calendar strictly. Any department from the specified list of Holidays will not be allowed unless prior approval is obtained from the Secretary, U.G. Council..

*** Total number of days available for holding classes / Examination = **83 Days + 38 Days + 105 Days = 226 Days**



MAHISHADAL RAJ COLLEGE

Mahishadal, Purba Medinipur

Item : 1.3 , Analysis of the Feedback from stake holders :

From Alumni :

The Alumni Association is very important to the Stake holders. The Association is actively involved in the all round development programmes of the college. The ex-students of our college have constituted the Alumni Association since 1997 with Registration No. S/1L/15938 of 2003-2004 as per registration of societies West Bengal Act XXVI of 1961. A Biennial Conference was held on regular basis in the college campus in the first Sunday of February. The Alumni Association offer advises for improvement of the college in different fields. The Principal of the college has been trying to implement their advises in different fields.

From Parents :

Parents contribute important function for development of the college. The college always maintains the relationship with the guardians. The Parents send different suggestions for development of the Academic situation as well as the Infrastructural facilities and others. The college authority takes steps in fulfilling the demands of the stakeholders.

From Students :

The Students of the college form the most important part of the college. They also place the demands in different purposes through the Students' Union, a Statutory Body, to the Principal of the college. The Principal of the college has been trying to fulfill their necessities and demands.