

**Annual Quality Assurance Report (2009-10) of
Internal Quality Assurance Cell
JIJAMATA COLLEGE OF SCIENCE AND ARTS, DNYANESHWARNAGAR,
At/Post- Bhende, Tal- Newasa, Dist- Ahmednagar, (Maharashtra)**

PART-A

1. 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.

a) The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement:

The internal Quality assurance cell in its last meeting held on 29th April 2009 has discussed and chalked out the following agenda to be projected as “Plans for the next academic year” to be implemented by the college during the academic year 2009-2010.

- a. To create our college website.
- b. To establish Soul-2 / Vriddhi software in college library.
- c. To purchase more computers for college.
- d. To introduce certificate courses in Spoken English, Computer Awareness, to students.
- e. To continue M.A. Marathi II Course.
- f. To apply for new courses like M.Sc. Analytical Chemistry and M.A. Economics.
- g. To encourage teachers for research.
- h. To provide furniture to office for smooth administrative work.
- i. To establish Biometric thumb impression machine in office.
- j. To improve infrastructural facilities.
- k. To organize seminars / conferences

The outcome achieved by the end of the year:

As per the plan formed, we have completed the following:

- a) Institution has created its own website www.jijamatacollege.com
- b) The College has purchased Vriddhi software programme. The information regarding all purchased books, references is stored in this programme, which gives detail information related to library. One can get minute detail of any kind of reading material available in the library.
The following services are computerized.
 - i. Lending of books,
 - ii. Purchase of books
 - iii. Lending of audio-visual material
 - iv. Book bank
 - v. Stock verification
- c) The college has purchased computers this year for office and library.
- d) The certificate courses in Spoken English, Computer Awareness, are introduced to students this year.
- e) The postgraduate course in Marathi part II is introduced from this academic year.
- f) The application to start new postgraduate courses in M.Sc. Analytical Chemistry and M.A. Economics has been sent to the University and Government of Maharashtra.
- g) The faculty members are encouraged and motivated for research activity by providing them the facilities.
- h) The college has established Biometric thumb impression machine in office to record the attendance of faculty members.
- i) The college has constructed four classrooms and a spacious Library hall with reading room. The college also constructed new parking stand in campus
- j) The college organised two National Conferences in Botany and Marathi, two State Level Seminars in Physics and Zoology and one National Seminar in Physics and Chemistry during this academic year.
- k) The college has registered to INFLIBNET. The college has access to e-resources through the programme entitled “National Library and Information Services Infrastructure for Scholarly Content (N-LIST) funded by the Ministry of HRD under its national mission on education through ICT. This facility is provided to all students and staff.

Part B

1) Activities reflecting goals and objectives of institution:

As per the plan chalked, the college has started few short-term courses like- Certificate courses in Computer Awareness, Spoken English, Soft Skill and Diploma Course in Entry in Services in this academic year.

2) New Academic programme initiated (UG & PG):

The new Postgraduate course in Marathi part II has been started during this academic year.

3) Innovations in curricular design and transaction:

The college does not have direct involvement in designing the curricula. It is designed by University of Pune, but the faculty members participate and suggest their views to the Board of Studies of university.

4) Inter-disciplinary programme started:

No

5) Examination Reforms implemented:

The University of Pune reforms examinations pattern; college only conducts the Term- End examinations for FY/ SY / TYBA. According to the rules and regulations of university.

The following reforms have been implemented.

Sr. No.	Class	Faculty of Science			Faculty of Arts		
		Internal	University	Total	Term end	University	Total
UG							
	First Year	20	80	100	20	80	100
	Second Year	10	40	50	20	80	100
	Third Year	10	40	50	20	80	100
PG							
	M.A (Semester)				20	80	100

6) Candidate qualified-NET/SLET/GATE etc:

Nil

7) Initiatives towards faculty development programme:

Faculty members are allowed to participate in Oriented/Refresher courses in their respective subjects. They are also motivated for research activities. The following faculty members have participated in such activities.

Sr. No.	Name of faculty	Refresher /Orientation Course	University
1	Shri. Deshmukh B.T.	Refresher Course	Dr. BAM University, Aurangabad
2	Shri. Patil A.J.	Refresher Course	Dr. BAM University, Aurangabad

The following faculty members have participated in International Conferences, during the academic year 2009-10.

International Conferences				
Sr. No	Name of the staff	Name Of The Conference	Dates And Duration	Place
1	Dr. Kale S.B.	International conference on the role of Indian Monetary and Fiscal policy	27-28 Nov. 2009	Tokyo, Japan

8) Total number of Seminar/ Workshop conducted:

Seminar- - 06;

Workshop- Nil.

9) Research Projects:

a) Newly Implemented: Five Faculty members have submitted proposals & three of them have recently received sanction from UGC.

i) Major Research Projects

	Name of the faculty member	Title of project	Duration	Amount sanction	Funding agency
	Dr.B.J.Apparao	“Genetic Improvement of Brahmi (Centella asiatica (L) Welsch) for high yield of Therapeutically active Compounds”.	5 years (2009 – 2010)	8,16,000/-	U.G.C. WRO, Pune.

ii) Minor Research Project

Sr	Name of the faculty member	Title of project	Duration	Amount sanction	Funding agency
1	Dr.B.J.Apparao	Induction of Viable Mutations in Chickpea Employing EMS and Gamma Rays.	2 years (2009 – 2011)	1,75,000/-	BCUD Uni of pune
2	Shri Deshmukh P.B, Dr. S.R. Bhitre	Study of effect of Doping of Non-magnetic Al ³⁺ on Mag. Properties of CdCo ferrites.	2 years (2009 – 2011)	1,80,000/-	U.G.C. WRO, Pune.
3	Dr. N.R. Sayyad	Evaluation of selected wild plant extracts for their potential extract use as Biopesticides	2years (Oct. 2009-2011)	70,000/-	U.G.C. WRO, Pune
4	Shri Kadu V.A.	Algal diversity of Godavari river near Pravarasangam.	2 years (2009-2011)	1,05,000/-	U.G.C. WRO, Pune.
5	Shri Patil A.J.	Studies On Carrion Feeder Insects Of Forensic Importance From Ahmednagar District.	2 years (2009-2011)	40,000/-	U.G.C. WRO, Pune.
6	Shri Navgire M.E. Dr. Bitre S.R.	Preparation, characterization and some transition / non-transition Nano composite materials.	2 years (July 2009-2011)	1,00,000/-	BCUD. Pune.
7	Shri Navgire M.E.	Study of photocatalytic degradation of organic pollutants using some transition / non-transition nano composite materials.	2 years (Sept 2009-Aug2011)	1,60,000/-	U.G.C. WRO, Pune.

b) Completed Research projects

Nil

10) Patent Generated, if any:

Nil.

11) Newly collaborated Research Programme:

Our college has signed a MoU with Postgraduate research centre in Botany of Padmashri Vikhe Patil College of Arts, Science and Commerce, Pravaranagar for mutual utilization of laboratory facilities for guiding research students in Botany.

The college has also entered into collaboration with Dnyaneshwar Krishi Vigyan Farm, Dnyaneshwarnagar, Bhende for utilizing research facilities like soil testing, biofertilizer.

12) Research Grants received from various agencies:

This academic year following 08 faculty members have received sanction for research projects.

Sr. no.	Funding Agencies	Number of Faculty members	Amount Received in Rs.
1	U.G.C., WRO, Pune.	06	13,71,000/-
2.	BCUD, Pune	02	2,75,000/-

Details of Research Scholars:

Under the guidance of Dr B.J. Apparao, 05 research students have registered with University of Pune and working for Ph.D. out of them 02 students have completed their research work and awarded Ph. D. in this year.

13) Citation Index of faculty members and Impact factor:

Majority of the faculty members are engaged in the research activities. Many of them have published their research finding in various reputed journal with good impact factor.

14) Honours / Awards to the faculty members:-

The following teaching staff has completed Ph. D. / M. Phil. degree while in service, during the academic year, 2009-10.

Sr. No	Name of the staff	Name of Degree	Year of award	University
1	Shri. Arle R. N.	Ph. D.	10 July 2009	DR.BAMU Aurangabad
2	Shri Landage S.R.	Ph. D.	28 Aug. 2009	University of Pune
3	Shri Misal N. V.	Ph. D.	29 Aug. 2009	University of Pune
4	Shri Patil I. P.	M. Phil.	25 May 2009	YCMOU, Nasik
5	Shri Kolate S.B.	M. Phil	23 June 2009	YCMOU, Nasik
6	Shri. Tanapure S.S.	M. Phil	30 June 2009	YCMOU, Nasik

Other awards:

- a) Dr. Apparao B.J. - Received **Academy of Plant Sciences, India (APSI) Certificate of Excellence** Award for the year 2010 for his outstanding research contribution in the field of Cytogenetic.
- b) Shri Maher S.M.- Ravindranath Tagor National Award 2009 for Research and Education.

15) Internal resources generated:

The college has started the following courses to generate internal resources.

Sr. No.	Name of Programme	Duration	Fee Structure, Teacher Qualification, Salary
1.	M.A. (Marathi) part II	2 Years	As per rules of University of Pune, YCMOU Nasik and Government of Maharashtra.
2.	Certificate course in Public Services	1 Year	
3.	Computer Awareness	3 Months	
4.	Spoken English	3 Months	
5.	Foundation Course in Soft Skills	3 Months	
6.	Computer Operator and Programming Assistant (COPA)	1 Year	

16) Details of getting SAP/COSIST/DIST/FIST etc. assistance/recognition:

Nil.

17) Community services:

National Service Scheme (2009-10) this year the college organised a special Winter Camp in Handenimgoan. In which 150 students participated. In this camp they digged 1345 pits for plantation & planted various plants in the village. Student's volunteers also digged 150 soak pits for sanitary problems among the villagers.

The student volunteers worked on superstition eradication, plantation, repairing & construction of internal roads etc. For this purpose, they organized talks, rallies with mission of "One Home One Tree", street plays to create an awareness regarding environmental issues, health and hygiene.

The student volunteers completed the following works:

- a) Pits for plantation - 1345
- b) Tree plantation - 1345
- c) Soak pits for Toilets 150
- d) Renovation of Water Lake.
- e) Construction of plat-form 25x20x4ft.
- f) Repairing of road- 1500 Meter

The volunteers completed the work of which estimated cost is **Rs.- 1,85,000/-**.

19) Teachers and officers newly recruited:

Three teachers are appointed on Ad-voc basis.

20) Teaching non- teaching staff ratio:

34:14 (2.4:1)

21) Improvements in Library services:

At present we have **14,276 books and reference** books in library which costs **Rs. 18,44,383/-**. In this academic year, we have purchased following books for library:

Faculty	Text	Amount Rs	References	Amount Rs.	Total Books	Total Amount Rs.
Arts	238	24470/-	130	21034/-	368	45504/-
Science	200	20655/-	64	32715/-	264	53670/-

Arts Faculty-

Subject	Text	Amount Rs.	References	Amount Rs.	Total books	Total Amount Rs.
Marathi	71	7000/-	72	13539/-	143	20539/-
English	73	9015/-	11	1140/-	84	10155/-
Hindi	41	1665/-	04	1070/-	45	2735/-
Economics	24	3620/-	01	350/-	25	3970/-
History	11	1200/-	-	-	11	1200/-
Geography	08	1020/-	-	-	08	1020/-
Politics	10	950/-	-	-	10	950/-
Psychology	-	-	14	1500/-	14	1500/-
Lib.sci	-	-	-	-	-	-
Sports	-	-	01	150/-	01	150/-
G.K.	-	-	09	1010/-	09	1010/-
Other	-	-	18	2275/-	18	2275/-
Total	238	24470/-	130	21034/-	368	45504/-

Science Faculty:

Subjects	Text	Amount Rs.	References	Amount Rs.	Total Books	Total Amount Rs.
Chemistry	62	6300/-	04	1635/-	66	7935/-
Physics	28	2730/-	13	5341/-	41	8071/-
Botany	51	4345/-	08	5620/-	59	9965/-
Zoology	36	5155/-	32	18655/-	68	23810/-
Mathematics	23	2425/-	07	1464/-	30	3889/-
Total	200	20955/-	64	32715/-	264	53670/-

23) Courses in which student assessment of teacher is introduced and the action taken on student's feedback:

The student assessment of teacher is taken regularly.

24) Unit cost of Education:

Unit cost of education, as calculated using the formulae, Unit cost = actual total annual revenue budget divided by the number of students enrolled is as:- Rs. 20,791.00/-

25) Computerization of administration and the process of admission and examination results, issue of certificates:

The office work is fully computerized. For this purpose, the college has purchased Vriddhi special software. The result of internal examinations is stored in CDs provided by University.

26) Increase in infrastructural facilities:

The construction of four classroom and spacious library – reading hall is in progress.

27) Technology up-gradation:

New 06 computers, 02 Laser printer, 03 LCD projector purchased and the implementation of Biometric thumb impression attendance system, LAN system, and Bar code system for Library is completed.

28) Computer and Internet access & training to teachers & students:

All teachers are computer literate. The college teachers and students have provided internet facility and they can access it as per their need. A separate unit runs MSCIT course in computer application.

29) Financial Aid to student:

The various scholarships of State Govt. are made available to students. The details of which is as follows:

Sr. No.	Type	Number	Amount Rs.
1	Endowments	-	-
2	Free-ship	33	1,06,000/-
3	Scholarship (Govt)	259	10,23,753/-
4	Scholarship (Institution)	-	-/-
5	No. of Loan Facilities	-	-/-
6	Financial support for students	51	40,800/-

Apart from these the poor & needy students are given concession / installment facility in admission fees.

30) Activity and support from the Alumni Association:

A yearly meeting of alumni was arranged this year. In which all members discussed the current issues and suggested few remedies.

31) Activity and support from Parent Teacher Association:

The meeting of Parent –Teacher association was organized during the first half of this academic year.

32) Health Services:

A special Medical Checkup camp was arranged during first-half of this academic year. In this camp all students were checked & provided the guidance and free medical treatments.

33) Performance in Sport Activities: Year 2009-10

Participation Inter-Collegiate Tournament

No.	Name of the Game	No. of Players
1.	Cross-Country	11 M&W
2.	Ball Badminton	10
3.	Kabaddi	12
4.	Archary	04
5.	Athletics	04
6.	Volleyball (W)	08
7.	Wrestling	04

Inter-Group Players Participation

No.	Name of the Game	No. of Players
1.	Cross – Country	02
3.	Athletics	02
5.	Ball Badminton	01
6.	Archary	01
7.	Kabaddi	01
8.	Volleyball	02

Inter-University Participation

No.	Name of the Game	No. of Players
1.	Cross country	01
2.	Kabaddi	02

34) Incentives to outstanding sport persons:

- Outstanding sports persons are given 50% concession in the college fees.
- Incentives like, Prizes, mementos, medals, testimonials, certificates and trophies, are given to outstanding sports persons.
- Shoes, Tracksuit, etc., are given to outstanding sports persons.
- Concession in hostel fee is provided to the outstanding sports students.
- Free sports kits given to students showing good performance in sports.

35) Students achievements and awards:

- Two sportsmen were selected in Pune University team for Cross country (Kottayam) and Kabaddi (Amravati) for Inter-University tournament.
- One sportsman was selected in Pune University team for Ashwamedh - Kabaddi (Dapoli) for Inter-University tournament and he won Silver medal.

36) Activities of Guidance and Counseling unit:

- The information regarding various jobs & opportunities is being displayed to students time to time.
- A regular Soft Skill Development Programme was arranged for final year students and our Virtual Learning Centre provides detailed information & guidance of various service opportunities.

37) Placement services provided to student:

This year we have contacted various companies to organize a campus interview. It will be organized soon.

38) Development programme for non-teaching staff:

Five members from non-teaching staff were attended a training camp at University of Pune. Similarly ten staff members were participated in workshop.

39) Healthy Practices of the Institution:

The college is registered as a member of National Library and Information Services Infrastructure for Scholarly Content (N-LIST) programme of INFLIBNET Network center Ahmedabad, funded by the Ministry of Human Resource Development, Government of India. Under this programme, all students and staff of this college have free access to more than 2100 e-journals (including current issues with 5-10 years back files) and more than 51,000 e-books, pertaining to various subjects. All students and faculty members are provided with a separate login ID and password so that they can access these e-resources on line at their leisure, in the library.

The Bio-metric Finger Print machine is implemented to register the record all staffs punctuality.

40) Linkages developed with National /International, Academic / Research Bodies:

Nil

41) Any other information the Institution wishes to add:

- One-faculty members Dr. Kale S.B. assistant professor in Economics has participated in International conference on the role of Indian Monetary and Fiscal policy held at **Tokyo, Japan** on 27-28 Nov. 2009.
- The college received Financial Assistance under development Grant from BCUD Pune and U.G.C.

Sr. No	Particulars	Amount in Rs.	Funding Agency
1	Earn and Learn Scheme	45770/-	University of Pune
2	College Development	472728/-	UGC
3	10 th Plan Ladies Hostel Special Scheme construction	16,23000/-	UGC
4	Merged Scheme 11 th Plan	2006000/-	UGC
5	State level Seminars	195000/-	UGC
Total		4342198/-	

Part C:

Detail Plans of the institution for the next year (2010-11)

The internal Quality assurance cell in its last academic meeting has discussed and chalked out the following agenda to be projected as “Plans for the next academic year” to be implemented by the college during the academic year 2010-11.

- a. To purchase more computers and teaching aids for college.
- b. To introduce Carrier Oriented Course in Computer Awareness.
- c. To start new courses M.Sc. in Analytical Chemistry and M.A. in Economics.
- d. To encourage teachers for research.
- e. To improve infrastructural facilities.
- f. To provide the Bus facility for the students.
- g. To send proposals for financial assistance from UGC for infrastructural facility like Indoor Stadium.
- h. To purchase a Generator set for power backup facility.
- i. To develop linkages with Academic /Research bodies.
- j. To send LOI and submit the RAR to NAAC office.
- k. To apply for the Best College Award to University of Pune.
- l. To install Water Purifiers in Students Hostel and Staff room.

Name and Signature

(Prof. V.D. Adsure)
Coordinator, IQAC,

(Dr. B.J. Apparao)
Chairperson, IQAC

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**The Annual Quality Assurance Report (AQAR)
of Year 2009-10
Internal Quality Assurance Cell (IQAC)**



Established in 1992

Jijamata College of Science and Arts,
At. Dnyaneshwarnagar, Po. Bhende, Tal. Newasa, Dist. Ahmednagar,
Maharashtra State, PIN – 414 605.
Tel. 02427- 255304, **Fax** . 02427- 255809,
Web site: www.jijamatacollege.com
Email: principal@jijamatacollege.com

Submitted to
National Assessment and Accreditation Council (NAAC)
Post Box No. 1075, Nagarbhavi,
Bangalore -560 010

To
The Director,
National Assessment and Accreditation Council,
P.O. Box No. 1075,
Nagarbhavi, Bangalore – 560 010.

Subject: Submission of Annual Quality Assurance Report.

Respected Sir,

I am herewith submitting the self reviewed Annual Quality Assurance Report (AQAR) of our college for the academic year 2009-2010, detailing the tangible results achieved in key areas, identified by the Internal Quality Assurance Cell (IQAC) of our college. Kindly acknowledge the receipt of the same.

Thanking you,

Yours Sincerely,

(Dr. B. J. Apparao)

Copy to:

1. Head, Quality Assurance Cell (QAC),
Government of Maharashtra,
S.N.D.T. Women's' University,
7th Floor, Patkar Hall building,
New Marine Lines, MUMBAI – 400 020.
2. Director,
Board of College and University Development,
Pune University,
Ganesh Khind, PUNE – 411 007.

To,

The Director,

National Assessment and Accreditation Council,

P.O. Box No. 1075,

Nagarbhavi,

Bangalore – 560 010.

From

The Principal,

Jijamata College of Science and Arts,

At. Dnyaneshwarnagar, Po. Bhende, Tal. Newasa,

Dist. Ahmednagar, Maharashtra State, PIN – 414 605.

To,

Director,

Board of College and University Development,

University of Pune,

Ganesh Khind,

Pune – 411 007.

From

The Principal,

Jijamata College of Science and Arts,

At. Dnyaneshwarnagar, Po. Bhende, Tal. Newasa,

Dist. Ahmednagar, Maharashtra State, PIN – 414 605.

To,

Head, Quality Assurance Cell (QAC),

Government of Maharashtra,

S.N.D.T. Women's' University,

7th Floor, Patkar Hall building,

New Marine Lines,

MUMBAI – 400 020.

From

The Principal,

Jijamata College of Science and Arts,

At. Dnyaneshwarnagar, Po. Bhende, Tal. Newasa,

Dist. Ahmednagar, Maharashtra State, PIN – 414 605.