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THE ANNUAL QUALITY ASSURANCE REPORT
(AQAR) OF THE IQAC FOR THE PERIOD 2005-06

Submitted to
National Assessment and Accreditation
Council, Bangalore

**RANI LAXMIBAI MAHAVIDYALAYA PAROLA,
DIST - JALGAON**

**THE ANNUAL QUALITY ASSURANCE REPORT (AQAR)
OF THE IQAC FOR THE PERIOD 2005 - 2006**

PART A

ACTION PLAN FOR THE ACADEMIC YEAR 2005 - 2006

The plan of action chalked out by the IQAC at the beginning of the Academic year 2005-2006 towards Quality Enhancement

1. Special attention was made to follow the suggestions given in NAAC Report during Academic year 2004-2005.
2. Increase the use of effective Teaching methods and aids.
3. Request is launched towards the governing council of the college for computerization of the office to reduce the clerical work and to get the documentary services to students quickly and easily.
4. Regular maintenance, repair and upgradation of infrastructure.
5. Organization of study tours of various departments.
6. Establish the career guidance cell.
7. Better networking with alumni.
8. Popular talks by eminent personalities at a special occasion.
9. Principal's encouragements to faculties for involvement in research activities.
10. Faculties are encouraged to prepare and submit at least minor research schemes in collaborations.

11. Faculty members are encouraged to organize the seminar / workshop / symposium, etc.
12. Principal's motivation to students to participate in Sports and Games.
13. Proper management of the college by faculties from Teaching and Non Teaching staff.
14. Periodic purchasing of books, chemicals, scientific equipments and infrastructural tools.
15. Extra facilities to students via student's consumer corner.
16. Medical facilities to boys and girls students separately.
17. Periodic meetings by IQAC to maintain and present the quality of the institution.
18. Participation of Faculties in designing the curriculum of the University.

OUTCOME ACHIEVED AT THE END OF ACADEMIC YEAR 2005 – 2006

1. Special attention was given to fulfill recommendations and the suggestions made in the NAAC Report during Academic year 2004-2005 as...
 - a. Recognition of the college under section 2 (f) and 12 (B) of the UGC Act 1956. Efforts are being made to prepare for 2 (f) and submit to UGC.
 - b. Out of 26 Teachers, only 01 Teacher acquired Ph. D. and 02 acquired M. Phil degrees. Out of 26 Teachers, 23 have PG as their higher qualification. Few Teachers are enrolled for Ph. D. The college is encouraging to Faculties to register for either M. Phil or Ph. D. degrees as early as possible. Full freedom has been granted to faculties to participate in research activities. Many of the Teachers participated in the seminars /conferences / symposia to gear up the research activities.
 - c. College has only one lady faculty. College assures the appointment of more lady Teaches as and when vacancies will create.
 - d. Bridge course in English to be conducted for needy students. As it is widely acknowledged the fact that, the college is situated in rural region, the communication skills in English of the students is crucially low. The English department took efforts to arrange the bridge course in English
 - e. The college provided the indoor game facilities to Department of Physical education.

2. A conscious attempt is being made about the use of alternative teaching methods like the use of advanced teaching aids, discussions and group discussions, internet access during teaching, role playing, etc. in addition to power point presentations and articles presentations on PCs, Laptops, OHPs, etc. This method is adopted by Physics, Chemistry and Botany Departments in Science faculty and would be implemented in all departments in near future.

3. Hon'ble governing council of the college has decided to do office automation during the next academic year 2006 – 2007.
4. Attention was also given on the regular maintenance, repairing and increase of infrastructural facilities in the campus. College requests to Hon'ble governing council for such work, as the college is not receiving the development grants from UGC or any other statutory funding agency.
5. Study tours were organized by most of the departments from Arts and Science faculties to widen the horizons of student's knowledge.
6. Students are motivated to prepare for competitive examinations and to tune their careers in proper directions. Few students are appointed in military departments on various posts and few are recruited as police constables. Few students enrolled for research work and few enrolled for PG degrees.
7. Alumni are kept in better networking, by telephone, e-mails or by presence. Few alumni declared and provided the financial support to poor, needy and deserving students, to departments, etc. One of our alumni, Mr. Rakesh Afre, Nagoya Institute of Technology, Showaku, Japan, delivered the talk on various outstanding opportunities at abroad to students from science faculty.
8. The academic year 2005 was celebrated as the YEAR OF PHYSICS, after the century of the achievement by Albert Einstein (1905). At this occasion, department of Physics organized the lectures of Dr. L. A. Patil, Ms. Priti Pawar as eminent personality and alumni respectively. One of our alumni, Mr. Rakesh Afre, Nagoya Institute of Technology, Showaku, Japan, delivered the talk on various outstanding opportunities at abroad.
9. Faculties are encouraged by the Principal to involve in research activities, viz. to attend the International, National, State level seminars / conferences / symposia / workshops, etc. and to present the research articles in the events. This type of activity, leads the great in involving and gear up the research in the institute.
10. Mr. D. R. Patil, from Department of Physics, prepared and submitted his minor research to UGC and UGC (WRO, Pune) sanctioned Rs. 80,000/- to him. The first instalment of Rs. 62,000/- obtained in December 2005, and the work started.

11. Department of History organized the Two days University level workshop, on Feb. 11 and 12, 2006. Hundreds of delegates participated the seminar.
12. Students are being encouraged by the Principal to participate in sports activities. College conducts inter collegiate sports events, which are fully funded by college.
13. College runs the activities smoothly by appointing the faculties from Teaching and Non Teaching Staff on various internal bodies.
14. Purchasing the furniture items viz. Benches, Stools, Tables, Chairs, Fans, etc., and periodic purchasing of chemicals, tools, instruments and equipments, etc. as a part of infrastructural development are being made as and when required. The demands are put forth by the heads of the respective departments. The purchasing committee decides and finally, Principal delivers orders against the demands.
15. Additional facilities to students such as educational tools (viz. note book, pen, pencils, chalks, ink, files and folders, pages, chocolates, tutorial books, practical hand books, etc), photocopies of documents and public telephone services, etc. are being provided under one roof, which has been situated near the office.
16. Dr. Sambhajiraje R. Patil (M. D.) and Dr. Mrs. Kranti S. Patil appointed to provide the medical facilities to boys and girl students separately. Dr. Hemant Marathe also appointed and providing the pathological facilities to students viz. Investigation of Hemoglobin, blood group detection, detection of Typhoid, Malarial Parasites, widal tests, etc at a very low cost.
17. IQAC meetings are held periodically for detection and presentation of quality enhancement by the institution.
18. Many of our faculties are engaged in participating and designing the new and advanced curriculum in their respective field.
19. Students: Teacher ratio is 15.18: 01.
20. Male: female students ratio is 1.14: 1.

D. R. Patil
Co-ordinator, IQAC

Prin. B. V. Patil
Chairperson, IQAC

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR)

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PART B

1. Activities reflecting the goals and objectives of the college:

All the activities of the college are conducted with its vision, with the prime motive of imparting man-making and character-building education and combining the principles of secular, technological and spiritual knowledge. The college was established with motive of educating youths of economically and socially backward classes of rural area of Parola and nearby villages and to make available them the higher and technical education in the region at low cost.

2. New Academic programs initiated: NIL

3. Innovation in Curricular design and transaction

As the college is affiliated with “NORTH MAHARASHTRA UNIVERSITY, JALGAON” (hereafter it will be defined as the parent University), the college implements the syllabi framed by the board of studies of parent university for all subjects. However, our faculty members are engaged and actively participated in the workshops for syllabi framing in the University. They put their innovative ideas in front of the board of studies for inclusion of innovative in curriculum design.

4. Inter Disciplinary programmes started: NIL

5. Examination Reforms implemented:

The College strictly follows the rules made by parent University in conducting examinations. Faculties are being released to work in University examinations such as junior supervisor, senior supervisor, flying squad members, internal squad members, examiners, paper setters, for theory and practical examinations, etc.

The College conducts tests, tutorials, seminars, group discussions, extra guidance on question bank and question paper solution, periodically to prepare the students for the main examination conducted by University. This enables the students to prepare well in examinations. The results of final examinations are published on the notice board.

6. Candidates qualified in NET/SLET/GATE etc: NOT APPLICABLE

As the college conducts only UG level courses, and the essential qualification in appearing the students in NET / SLET / GATE is PG, So, this item is not applicable to the college.

7. Initiative towards faculty development program:

The faculties have the freedom to apply for FDP programs and the following is the list of faculties who attended orientation programs and refresher courses.

Sr. No.	Name of Faculty	Subject	Course	Duration
1	Dr. S. Z. Shirsath	Marathi	N. S. S. Orientation	Aug-Sep, 2005
2	Mr. S. N. Patil	Zoology	Orientation	Nov-Dec, 2005

8. Total number of seminars / workshops conducted: 01

Department of History organized the two days workshop on Feb. 11 and 12, 2006. Hundreds of delegates participated in the workshop. One of our Faculties Mr. R. B. Nerkar, Head, Department of History, presented an article in the workshop.

9. Research Projects:

Newly implemented research project:

Mr. D. R. Patil, Principal Investigator,

Department of Physics,

UGC (WRO, Pune), sanctioned the MINOR RESEARCH PROJECT of Rs. 80,000/- to Mr. D. R. Patil, Dept. of Physics, for the project entitled “**STUDIES ON GAS SENSING PROPERTIES AND CHARACTERIZATIONS OF ZnO/In₂O₃**”. Out of sanctioned amount of Rs. 80000/-, the first installment of Rs. 62000/- was disbursed by UGC on Dec. 09, 2005. The project initiated with the financial assistance of UGC.

10. Patents generated: Nil

11. New collaborative research programs: NIL

12. Research grants received from various agencies:

Sr. No.	Name of Faculty	Subject	Funding Agency	Funds sanctioned in Rs.
1	Mr. D. R. Patil	Physics	UGC	80000/-

13. Details of research scholars:

The researchers freely took parts in seminars / conferences / symposia / workshops, etc to improve and to contribute their knowledge among the researchers of various academic institutions of National and International reputations. Following list shows the faculty participating in various academic and research activities...

Name of Faculty	Subject	Course admitted	Publications in Journals		Seminars / Conferences / Symposia / Workshops		
			Inter-national	National	Inter-national	National	Others
Mr. D. R. Patil	Physics	Ph. D.	03	Nil	Nil	02	Nil
Mr. P. M. Yeole	Chemistry	Ph. D.	Nil	01	Nil	01	Nil
Mr. S. N. Salunkhe	Maths	Ph. D.	Nil	01	Nil	Nil	Nil
Mr. R. B. Nerkar	History	-----	Nil	Nil	Nil	Nil	01
Mr. S. D. Patil	Marathi	Ph. D.	Nil	Nil	Nil	Nil	01
Mr. S. B. Bhavsar	Physical Education	-----	Nil	Nil	Nil	01	01

14. Citation index of faculty members and impact factor:

(i) **Mr. D. R. Patil, Lecturer**, Department of Physics,

Citation Index: 2.769 / Title

Impact factor as an author is: 2.646

15. Honors / Awards to the faculty:

Dr. K. D. Ahirrao, Dept. of Zoology,

Recognized by N. M. UNIVERSITY, JALGAON as a guide for M. Phil. in Zoology.

Mr. D. R. Patil, (Lecturer in Physics):

- Appointed as a member of Loknyayalaya running under Hon'ble Judge, Judiciary Court Parola.
- Appointed as a member of Literacy Mission of Parola Tehsil, running under B. D. O., Panchayat Samittee, Parola.
- Appointed as a member of Elephantiasis elimination program for Parola Tehsil region, running under Civil Hospital Jalgaon.
- Indian Science Congress Association, Kolkata, awarded as a life member of the association.

16. Internal resources generated:

Sr. No.	Particulars	Amount in Rs.
1	Fees from B. Sc. Computer students	29880.00
2	Students consumer corner	No Loss no Profit basis
3	PCO collection	No Loss no Profit basis
4	Photocopy centre	No Loss no Profit basis
5	Laboratory deposits	Nil
6	Library deposits	Nil
7	Repairing of instruments	1250.00
Total		31130.00

The college runs B. Sc. Computer Science as an unaided course, fully, for which the college has permission to take the additional fees from the students enrolled for the course. Central instrumentation workshop is situated in the department of Physics, at which few electrical and electronic devices can be repaired by the faculty at the primary level. Thus, little money can be saved by this plan.

17. Details of departments getting SAP, COSIST/DST/FIST etc: NIL

18. Community services

Our college had provided various services to the society at our best level. The services provided are enlisted as follows:

a. NATIONAL LEPROSY ELIMINATION PROGRAM (N. L. E. P.):

Mr. D. R. Patil, (Lecturer in Physics), organized the campaign to detect the leprosy affected patients in Parola. Parola is the historical place, whose history is related to Late Rani Laxmibai, Zhansiwali. The city belongs the FORT of Rani's grandfather and the water has been stored around the FORT for the protection of FORT. The storage of water is present till today. The stored water contains the viruses of various diseases like Leprosy, Elephantiasis, etc. So, the campaign was started by Mr. D. R. Patil and his students, in collaboration with Cottage hospital, Parola. Dr. Sambhajiraje R. Patil offered the co-operation to Mr. D. R. Patil and started the search campaign in the city. Twelve cases were detected as leprosy affected persons. After the multi drugs therapy, total twelve cases were cured.

b. LOKNYAYALAYA:

Mr. D. R. Patil, (Lecturer in Physics) appointed as a member of Loknyayalaya under the supervision of Hon'ble Magistrate, judiciary court Parola. He worked to reduce the disputes which were pending in the court and cleared them. Thus the time of the court was saved to utilize it for the important work.

c. LITERACY MISSION:

Mr. D. R. Patil, (Lecturer in Physics) appointed as a member of literacy mission of Parola Tehsil region and efforts were made to appoint the Co-ordinator and co-coordinator on stipend basis. The grant was achieved from the Maharashtra Government and the stipend was given to co-ordinator and co- coordinator. Regular meetings were held with B. D. O., Parola.

d. ELEPHANTIASIS ELIMINATION PROGRAM AND OTHERS:

Mr. D. R. Patil, (Lecturer in Physics) appointed as a member of Elephantiasis elimination program for Parola Tehsil region, running under Civil Hospital Jalgaon. He worked to eliminate the disease named as elephantiasis during the period from Nov 11, 2005 to Nov 13, 2005. Many cases were found to be affected. The work was performed in collaboration of Cottage hospital Parola.

Mr. D. R. Patil took part in pulse polio campaign with his students in collaboration with the medical officer and servants in cottage hospital Parola. He is currently working for Amalner Taluka Superstition Committee, to eliminate superstitions from the society. He organized blood donation camps and made available 40 bags of blood to civil hospital, Jalgaon for emergency cases.

NATIONAL SERVICE SCHEME (N. S. S.):

National Service Scheme (N. S. S.) performs the following activities with aimed to serve the society.

1. Tree Plantation,
2. Clean Campus Campaign,
3. Aids, Population awareness,
4. Felicitation of festivals like Raksha Bandhan, ID, etc.,
5. Collection and proper disposal flowers and garbage on the holly occasions like Ganesh Utsav, Durga Devi Utsav, etc.,
6. Organized ten days workshop at village Ratna-pimpri (Tal – Parola) during Dec. 05 – 14, 2005.

YUVATI SABHA:

Yuvati Sabha is established with the objective that, it organizes the programs and helps in solving the difficulties of ladies students, upgrades their moral values and encourages them by organizing the lectures of eminent ladies personalities.

19. Teachers and Officers newly recruited: NIL**20. Teaching: Non-Teaching staff ratio: 28: 26**

Full time: Part time Teachers ratio 25: 01

Full time: CHB Teachers ratio 25: 02

21. Improvements in the library services:

Special arrangement has been made to make available more books in the reading section of the library for Students and Teachers. Joint access of computer and internet to teachers and students is provided in the reading section of library.

22. New books / Journals subscribed and their value:

462 books and journals are purchased during this academic year which costs Rs. 14388.00

23. Courses in which Student assessment of Teachers is introduced and the action taken on Student feedback:

- Suggestion box is provided near the student's consumer corner. The suggestions about faculty members of Teaching and non teaching staff can be analyzed by the committee constituting the senior faculty members with Principal. The concerned faculties are informed and expected to do self analyses and they are encouraged to enhance the methods of guidance and their innovative.
- A set of questionnaire is circulated in the class room for the assessment of newly appointed Teachers by the students. Students are informed to fill the questionnaire freely. The analysis and data obtained from the questionnaire are informed to

concerned Teacher. The analysis was made by the committee constituting the Senior Faculty members and Principal. Faculties are expected to do self analyses and they are encouraged to improve the methods of Teaching and innovate.

24. Unit cost of education:

Rs. 18221 / head (Including salary) and Rs. 1369 / head (Excluding salary)

25. Computerization of administration and the process of admissions and examination results, issue of certificates, etc:

Governing council of the college decided to purchase the computers and software for office automation as quick as possible.

26. Increase in the infrastructural facilities:

- Increasing number of students would lead to construct the additional lecture hall and decided to construct the hall in the next year.
- Central instrumentation centre has been established in the department of Physics to repair the instruments at the primary level.
- Purchased 15 tables for the practical in the department of Geography.
- Purchased the benches and stools as apart of infrastructural development.

27. Technology upgradation:

Periodic meetings of faculties with their Heads and Principal would lead to enhance the technology upgradation in the respective departments.

28. Computer and internet access and training to Teachers and Students:

Joint access of computer and internet to teachers and students is provided in the reading section of library. Access is free to all. Teachers and students got trained for internet access by the department of computer science.

29. Financial aid to students:

A. SAHAJEEVAN VIDYARTHI ARTHA SAHAYYA YOJANA

The college established the scheme entitled “SAHAJEEVAN VIDYARTHI ARTHA SAHAYYA YOJANA”. The needy, poor and deserving students can get the financial assistance (though less) from the college for their education. Funds for this scheme are raised by the faculties of Teaching and Non-Teaching staff with Principal. Total ten students got benefits by this scheme.

B. EARN WHILE YOU LEARN SCHEME:

The college runs the scheme entitled “EARN WHILE YOU LEARN”, for the needy, poor and deserving students on the guide lines issued by North Maharashtra University, Jalgaon to provide the financial assistance (though less) by their contribution of work. The scheme enables the students to work at the time of education. Ten students got benefits of this scheme during this year.

30. Activities and support from the Alumni Association:

Better network has been established with the alumni by various departments. Mr. Rakesh Afre, delivered the most popular talk on the scope of Physics education and research at abroad, in front of the students of science faculty. Ms. Priti Pawar delivered the talk on research facilities available at Department of Physics, North Maharashtra University, Jalgaon. Mr. Rakesh Afre and Ms. Priti Pawar, completed the B. Sc. Physics from our college. Mr. Afre is working for his research in **NAGOYA INSTITUTE OF TECHNOLOGY, SHOWAKU, JAPAN**. His native is Parola. He was from very poor family. Ms. Priti Pawar doing her research at Department of Physics, North Maharashtra University, Jalgaon. Our department of Physics co-operated them and now they became our pride.

31. Health services:

Regular medical checkups (such as Hemoglobin detection, Blood group detection, other investigations like Malaria, Typhoid, etc.) of students are offered by Dr. Sambhajiraje R. Patil (M. D.) and Mrs. Dr. Kranti Patil to boys and girl students separately. Dr. Hemant

Marathe (Pathologist) provided the blood investigation at a very low cost basis. The medical officers are appointed for this purpose.

32. Performance in Sport activities:

College participated in inter collegiate competition. Few students are selected in University group champions in Volley ball, foot ball, weight lifting, cross country, etc.

33. Incentives to outstanding Sportsmen:

Medals, mementos, shields, certificates, track suits, prizes, etc. are being offered to outstanding sportsmen, in the form of incentives.

34. Students achievements and awards:

The topper students topped in examinations, N. S. S. awardees and Sportsmen, have been felicitated by offering the attractive gifts, prizes, certificates, trophies, mementoes, etc.

35. Activities of the guidance and counseling unit:

Career guidance cell arranged the meetings of the students in final class and provide guidance to all students. The cell organized the guest lectures of eminent personalities for the opportunities in various industrial and official fields.

36. Placement services provided to students:

Study tours are arranged for the students to acquire the applied knowledge of the subject. Other most important purpose of study tours is that, the students can acquire the knowledge to apply the innovative ideas in the industrial plant. Secondly, career guidance cell provides information to students for placement along with the individual faculty.

37. Development programs for Non – Teaching Staff:

Computer training was arranged for non teaching staff.

38. Healthy practices of the institution:

The faculty members took part in few programs of society and few programs are arranged by the faculty members during the academic year as follows:

- a. NATIONAL LEPROSY ELIMINATION PROGRAM (N. L. E. P.)
- b. LOKNYAYALAYA
- c. R. L. LITERACY MISSION
- d. LITERACY MISSION CONDUCTED BY PANCHAYAT SAMITI, PAROLA
- e. ELEPHANTIASIS ELIMINATION PROGRAM
- f. PULSE POLIO CAMPAIGN
- g. BLOOD DONATION CAMPS
- h. YOGA CAMPS ARE ARRANGED IN THE CITY
- i. CAREER GUIDANCE TO STUDENTS
- j. HELP TO POOR AND DESERVING STUDENTS

39. Linkages developed with National / International, academic research bodies:

NIL

40. Any other relevant information the institution wishes to add:

The college was established with the motto to educate the students from rural society, as the college is situated in rural region. Now, the college is stepping up its foot to achieve the goals, under the kind guidance of Hon'ble Adv. Vasant Rao More, the president of the institution, Prof. B. V. Patil, Principal, and with the continuum efforts of the faculties from Teaching and Non Teaching staff. Most of the students who achieved their degrees from this college, are now working at most reputed organizations and laboratories of central government and abroad, viz. Nagoya Institute of Technology, Showaku, Japan, IIT and B. A. R. C, Mumbai, Maharashtra, Kaiga Power Plant, Karnataka, G. C. E. R. T. Gujarath, and many industries and institutions. Many of our students doing research at various institutions and universities. Thus, the college proves its potential of excellence to develop the scientific community among the rural students. The students enrolled in the

college are from very poor families, and our faculty members are engaged in developing their scientific attitude. The college has a pride of this thing. Second pride is that, all the faculty members have faith on each other. This may helpful in fetching the dream in truth.

The college authority has the pride that, Prof. B. V. Patil, Principal, elected unopposed on the Senate body and worked as a member of grievance committee of parent University, North Maharashtra University, Jalgaon. Also, few faculty members of our college are published their research in international and national journals having high impact factors. They are listed as follows:

Name of Faculty	Subject	Articles published	Journal	Status	Impact factor
Mr. D. R. Patil	Physics	03	Sensors and Actuators B: Chemical	International	2.646
Mr. P. M. Yeole	Chemistry	01	J. Poll. Res.	National	-----
Mr. S. N. Salunkhe	Mathematics	01	Math. Science Research Journal	National	-----

The college authority has the pride that not even a single case of ragging was found in the college. The college is leading in academic as well as research and development and social reforms. We have the trust that, the college would definitely build the career of students, who would impart to build the society at each level.

Definitely, the college would success to build and develop the Nation.

D. R. Patil
Co-ordinator, IQAC

Prin. B. V. Patil
Chairperson, IQAC

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PART C

DETAILS OF ACTION PLAN FOR THE NEXT ACADEMIC YEAR 2006 – 2007

The future plan of action chalked out by the IQAC for the next academic year 2006-2007 towards Quality Enhancement:

1. Special attention would be focused to prepare for the recognition of the college under section 2 (f) of the UGC Act 1956. Efforts will be made to prepare the proposal of 2 (f) and submit it to UGC and to enable the college to achieve the related facilities and quality enhancement.
2. College would take part in developing the facilities to enhance the Teaching – learning profile.
3. College would acquire office automation to reduce the clerical work and to get the documentary services to students quickly and easily.
4. Regular maintenance, repair and upgradation of infrastructure, would be continued during next academic year.
5. All departments of Arts and Science faculties would arrange the study tours as a part of informal education.
6. Career guidance cell would work more effectively.
7. College would arrange the popular talks and speeches by eminent personalities at the special occasions.
8. Faculties would be encouraged to gear up the involvement in research activities.

9. College authority would provide motivations to students to participate in Sports and Games.
10. Medical facilities would be continued to boys and girls students separately.

D. R. Patil
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