

RANI LAXMIBAI MAHAVIDYALAYA
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THE ANNUAL QUALITY ASSURANCE REPORT
(AQAR) OF THE IQAC FOR THE PERIOD 2006-07

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 2006 - 2007**

PART A

ACTION PLAN FOR THE ACADEMIC YEAR 2006 – 2007

The plan of action chalked out by the IQAC at the beginning of the Academic year 2006-2007 towards Quality Enhancement:

1. The attention on the modification of effective Teaching – learning resources is being continued.
2. Computerization of office work to reduce the clerical work and to get the documentary services to students quickly and easily.
3. Development of computer laboratory for B. Sc. Computer Science.
4. The college turns the attention towards tree plantations in the campus.
5. Development of Botanical garden and collection of various species of plants.
6. The attention on regular maintenance, repair and upgradation of infrastructure is being continued.
7. Organization of study tours of all departments is at high priority.
8. Career guidance cell continued to work efficiently.
9. Better networking with alumni.
10. Popular talks by eminent personalities at the special occasions.
11. Encouragements to faculties for participating the research activities.

12. Principal's motivation to students to participate in Sports and Games continued.
13. Proper management of the college by faculties from Teaching and Non Teaching staff by Principal.
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 the activities arranged by the University.

OUTCOME ACHIEVED AT THE END OF ACADEMIC YEAR 2006 – 2007

1. A conscious attempt is being made about the use of alternative teaching methods like the use of advanced teaching aids, group discussions, seminars, web based education, role playing, etc. in addition to power point presentations and articles presentations on PCs, Laptops, OHPs, etc. This method is adopted by all departments in Science faculty and would be implemented in all departments in Arts faculty in near future.
2. Hon'ble governing council granted Office automation and achieved to reduce the clerical work and to ensure the documentary services to students quickly and easily. The college purchased five computers for the office automation. Office staff was encouraged for training about the automation.
3. Special room (~ 30 ft X 30 ft) has been allotted for the Department of Computer Science, near the office. The furniture, wirings, tables, stools, etc., are purchased for the department, as an infrastructural development.
4. Trees are planted in the campus for helping in minimizing the pollution. Pollution is the burning global issue. Pollution has raised its ugly head high in the global environment. To make awareness in controlling pollution, college planted trees by students. Awareness about pollution has been created among the students by such programs.
5. Botanical garden was developed by the Department of Botany. Few plant species were collected during the study tour and developed those species in the garden.
6. 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 body.
7. Study tours were organized by most of the departments from Arts and Science faculties to widen the horizons of student's knowledge.

8. The efforts are continued for student's motivation 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 many enrolled for PG degrees.
9. 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. Mukesh Shimpi, Bhabha Atomic Research Centre, Trombay, Mumbai, delivered the talk on various outstanding opportunities at B. A. R. C. to students from science faculty.
10. National science day celebrated by arranging the lecture of Dr. Ranjan Garge, Ex-President, All India Marathi Vigyan Parishad, Aurangabad, At this occasion, department of Physics organized the lecture of Mr. Sharad Lohar, and Ms. Priti Pawar as alumni.
11. Faculties are encouraged by college authority 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. Mr. D. R. Patil, Physics, established the static gas sensing setup in the department of Physics and the work is continued for his minor research scheme. UGC disbursed the second instalment of Rs. 18500/-, as a part of minor research scheme.
12. Hon'ble Advt. Vasantao J. More, President and Prof. B. V. Patil, Principal, encouraged the students to participate in sports activities. College conducts inter collegiate sports events, which are fully funded by the college.
13. College runs the activities smoothly by appointing the faculties from Teaching and Non Teaching Staff on various internal bodies.
14. Periodic purchasing of chemicals, tools, instruments, 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 for 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 for this academic year is 16.29: 01.
20. Male: female students ratio is 1: 1.07.

D. R. Patil
Co-ordinator, IQAC

Prin. B. V. Patil
Chairperson, IQAC

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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 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 and applied syllabi 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, for their up gradation of knowledge in the field of research and development of the subject.

8. Total number of seminars/workshops conducted: NIL

9. Research Projects:

On going research project:

Mr. D. R. Patil, Principal Investigator,

Department of Physics,

UGC (WRO, Pune), disbursed the first installment of Rs. 62000/- on Dec. 09, 2005, as a part of minor research scheme. Mr. D. R. Patil, established the static gas sensing setup in the department of Physics. The project initiated with the financial assistance of UGC. The total funds were utilized for setting up static gas sensing setup, screen printing setup, muffle furnace and fabrication of thick films by screen printing has been carried out in the laboratory.

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 received in Rs.
1	Mr. D. R. Patil	Physics	UGC	18500/-

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 reputes. 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.	07	Nil	01	Nil	03
Mr. P. M. Yeole	Chemistry	Ph. D.	Nil	02	Nil	01	Nil
Mr. R. B. Nerkar	History	-----	Nil	Nil	Nil	Nil	02
Mr. A. M. Patil	Botany	Ph. D.	Nil	Nil	Nil	Nil	01
Mr. S. N. Salunkhe	Maths	Ph. D.	Nil	Nil	Nil	01	Nil
Mr. S. B. Bhavsar	Physical Education	-----	Nil	Nil	Nil	Nil	01

14. Citation index of faculty members and impact factor:

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

Citation Index: 3.221 / Title

Impact factor as an author is: 2.385, e – impact factor: 205.767

15. Honors / Awards to the faculty:

Prof. B. V. Patil, Principal:

- Elected on a member on grievance committee of North Maharashtra University, Jalgaon.

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

- One of our research article entitled “**Surface activated ZnO thick film resistors for LPG gas sensing**”, published in the journal of **Sensors and Transducers Vol. 74, pp 874-883** has been declared as ranked 7 in the top 25 most downloaded articles in January 2007.
- Appointment continued as a member of Loknyayalaya running under the Hon’ble Magistrate, judiciary court Parola.
- Appointment continued as a member of Literacy Mission of Parola Tehsil, running under B. D. O., Panchayat Samittee, Parola.
- Appointment continued as a member of Elephantiasis elimination program for Parola Tehsil region, running under Civil Hospital Jalgaon.

16. Internal resources generated:

Sr. Nos.	Particulars	Amount in Rs.
1	Fees from Students of B. Sc. Computer	51300.00
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	Money saved from Repairing of instruments by the faculty	1000.00
8	Others	Nil
Total		52300.00

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. Nine cases were detected as leprosy affected persons. After the multi drugs therapy, total nine cases were cured, by MDT therapy provided by the students and Prof. D. R. Patil in collaboration with Dr. Sambhajiraje R. Patil, Medical Officer, Cottage hospital, Parola.

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, 2006 to Nov 13, 2006. Many cases were found to be affected. The work was performed in collaboration of Cottage hospital Parola.

Mr. D. R. Patil participated in pulse polio campaign with students in collaboration with the medical officer, 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 35 bags of blood to civil hospital, Jalgaon.

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

N. S. S. performs the following activities with aimed to serve the society.

1. Tree Plantation,
2. Clean Campus Campaign,
3. Aids, Population awareness, etc.,
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 Nov. 01 – 10, 2006.

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 continued to be provided in the reading section of library.

22. New books / Journals subscribed and their value:

28 books and journals are purchased during this academic year which costs Rs. 5420.00

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. 20449 / head (Including salary) and Rs. 1561 / head (Excluding salary)

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

Office automation was established, by which the process of admission, issuance of certificates to students and staff, and all related official work can be performed with the help of computers. The students can get the service quickly and easily.

26. Increase in the infrastructural facilities:

- Increasing number of students would lead to construct the additional lecture hall.
- Purchased 20 stools for the practical in the department of Computer Science.
- Computer department was developed by making electrification, furniture, Cup board, etc., in the department.

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.

Following is the list of beneficiary students for this year...

Sr. No.	Name of the student	Class admitted
1	Mr. Kale Amit Govindrao	S. Y. B. Sc.
2	Mr. Borse Mahesh Bhimrao	F. Y. B. Sc.
3	Ms. Mahajan Madhuri Dattatarya	F. Y. B. Sc.
4	Ms. Jadhav Sanjivani Waman	S. Y. B. A.
5	Mr. Rathod Magan Dipchand	F. Y. B. A.

6	Mr. Walhe Vijay Sitaram	F. Y. B. A.
7	Mr. Thakur Rahul Prakash	F. Y. B. A.
8	Ms. Mahajan Babita Bhila	F. Y. B. A.
9	Ms. Bhoi Sonali Amrut	F. Y. B. A.
10	Ms. More Vaishali Janakiram	F. Y. B. A.

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. Mukesh Shimpi from B. A. R. C. delivered the most popular talk 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.

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. The department has prepared well for the performance in games.

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 provided 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:

Few members of non teaching staff attended the workshops to perform the better office work.

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, 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	04	Sensors and Actuators B: Chemical	International	2.646
		01	Sensors IEEE Journal	International	1.34
		02	Sensors and Transducers	International	e - I. F. 205.767
Mr. P. M. Yeole	Chemistry	02	J. Poll. Res.	National	-----

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 2007 - 2008

The future plan of action chalked out by the IQAC for the next academic year 2007-2008 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. Special attention will be paid to educationally weaker students. College would take part in developing the facilities to enhance the Teaching – learning - evaluation profile.
3. Purchasing of new computers for the Department of Computer Science will be at high priority.
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, than previously.
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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Chairperson, IQAC