

RANI LAXMIBAI MAHAVIDYALAYA
PAROLA, DIST - JALGAON, MHS, 425111



THE ANNUAL QUALITY ASSURANCE REPORT
(AQAR) OF THE IQAC FOR THE PERIOD 2010-11

Submitted to
National Assessment and Accreditation
Council, Bangalore

**RANI LAXMIBAI MAHAVIDYALAYA PAROLA,
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PART A

ACTION PLAN FOR THE ACADEMIC YEAR 2010 – 2011

The plan of action chalked out by the IQAC at the beginning of the Academic year 2010-2011 towards Quality Enhancement:

1. Special attention was focused to achieve permanent affiliation with parent University, North Maharashtra University, Jalgaon.
2. Efforts will be made to prepare the college to achieve the facilities under section 12 (B) of UGC Act 1956.
3. The attention on the modification of effective Teaching – learning – evaluation resources is being enhanced and continued.
4. Shifting and settlement of library and Physics department in the new constructed hall.
5. The college turns the attention towards tree plantations in the campus.
6. Collection of various species of plants in Botanical garden.
7. The attention on completion of wall compound, regular maintenance, repair and upgradation of infrastructure is being continued.
8. Organization of study tours of all departments is at high priority.
9. Career guidance cell continued to work efficiently.

10. To establish the emergency blood bank.
11. Better networking with alumni.
12. Popular talks at the special occasions.
13. Encouragement to Students along with Faculties for participation in the research activities.
14. Motivation to students to participate in Sports and Games will be continued.
15. Proper management of the college by faculties from Teaching and Non Teaching staff.
16. Periodic purchasing of books, chemicals, scientific equipments and infrastructural tools.
17. Extra facilities to students via student's consumer corner.
18. Medical facilities to boys and girls students separately.
19. Periodic meetings by IQAC to maintain and present the quality of the institution.
20. Participation of Faculties in the activities arranged by the University.
21. Efforts will be made to initiate the computer science at special level, as per the demand by society.

OUTCOME ACHIEVED UPTO OCTOBER 31, 2010

1. The college is affiliated permanently with the parent University.
2. Prepared and submitted the proposal of 12 (B) to UGC, New Delhi.
3. A conscious attempt is being made about the use of alternative teaching methods.
4. Library and Physics department are shifted and settled well in the newly constructed larger halls (size 40 X 30 Sq. Ft).
5. Trees are going to plant in the campus for helping in minimizing the pollution and campus beautification. To make awareness in controlling pollution, college planted trees by students. Awareness about pollution has been created among the students by such programs.
6. Few plant species, those are difficult to purchase, will be collected during the study tour by the Botany department.
7. Construction of wall compound has been completed. Water purifier with cold water system is established and made available for staff and students. Attention has been paid on the regular maintenance, repairing and increase of infrastructural facilities in the campus.
8. Study tours will be organized by most of the departments from Arts and Science faculties to widen the horizons of student's knowledge.
9. 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 various technical departments on various posts and few are recruited as police constables. Few students enrolled for research work and many enrolled for PG degrees.
10. Emergency blood bank is successfully established.
11. Alumni are kept in better networking, by telephone, e-mails or by presence. Few alumni declared and provided the financial support to poor and needy students.
12. Popular lectures of eminent personalities will be held at special occasions.
13. Faculties and students from science faculty are preparing to participate in the research festival named as "AVISHKAR-2010" which is commencing on Dec. 23-24, 2010, at North Maharashtra University, Jalgaon. Many Teachers involved 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, resource persons, etc.
14. Students are being encouraged to participate in sports activities. College conducts inter collegiate sports events, which are fully funded by the college.
 15. College runs the activities smoothly by appointing the faculties from Teaching and Non Teaching Staff on various internal bodies.
 16. 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.
 17. 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.
 18. Dr. Sambhajiraje R. Patil (M. D.) and Dr. Mrs. Kranti S. Patil re-appointed to provide the medical facilities to boys and girl students separately. Dr. Hemant Marathe also re-appointed and providing the pathological facilities to students at a very low cost.
 19. IQAC meetings are held periodically for detection and presentation of quality enhancement by the institution.
 20. Many of our faculties are engaged in participating and designing the new and advanced curriculum in their respective field.
 21. Computer science started at the special level as per the demands by the society.
 22. Students: Teacher ratio for this academic year is 21.39: 01.
 23. Male: female students ratio is 1: 1.11.
 24. Book titles / head: 9.02

Dr. 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:

Initiated computer science at special level (T. Y. B. Sc.).

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 member, internal squad member,

examiner, paper setter, for theory as well as practical examinations, etc. Old yearly pattern (80 + 20) converted in to semester pattern (40 + 10), and semester pattern was implemented for examinations successfully to all faculties, by parent University.

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. Following faculties have completed their refresher and / or orientation courses.

- i. Mr. S. C. Patil, Economics, N. S. S. Orientation course

8. Total number of seminars/workshops conducted: Under consideration

9. Research Projects:

- One major research project is submitted by Dr. D. R. Patil (Physics) to nanomission on line after project executive summary accepted and invited to submit the project proposal documents by the Department of Science and Technology, Govt. of India.
- One minor research project is submitted by Mr. D. N. Suryawanshi (Physics) to North Maharashtra University on behalf of UGC, WRO, Pune.

10. Patents generated: Nil

11. New collaborative research programs:

Dr. D. R. Patil, Physics, is guiding the faculties and students from and working in collaboration with

- i. K. T. H. M. College, Nashik, Dist – Nashik,
- ii. Sonopant Dandekar College, Palghar, Dist – Thane,
- iii. Vidyabharati College, Amravati
- iv. Goa University, Talegaon Plateau, Goa
- v. Shivaji University, Kolhapur
- vi. Dr. Patangrao Kadam College, Sangli
- vii. Kisan Veer College, Wai, Dist – Satara,
- viii. Rayat Education Society's Arts, Sci and Com College, Dahiwadi, Dist - Satara

12. Research grants received from various agencies: Nil

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 / Awarded	Publications in Journals		Seminars / Conferences / Symposia / Workshops		
			Inter-national	National	Inter-national	National	Others
Dr. D. R. Patil	Physics	-----	Nil	Nil	Nil	01	02
Dr. P. M. Yeole	Chemistry	-----	Nil	01	Nil	Nil	Nil
Mr. D. N. Suryawanshi	Physics	Ph. D.	Nil	Nil	01	Nil	Nil
Mr. J. B. Patil	Botany	Ph. D.	Nil	Nil	Nil	Nil	01

Mr. S. N. Salunkhe	Maths	Submitted Ph. D. Thesis	Nil	Nil	Nil	Nil	Nil
Mr. S. B. Bhavsar	Physical Education	-----	Nil	Nil	Nil	Nil	01

Following students are working with Dr. D. R. Patil in his laboratory named as “Bulk and Nano Materials Research Laboratory”.

Sr. Nos.	Name	Degree	Institution	Publications	
				Published	Communicated
1	Mr. Y. B. Patil	Ph. D.	H and H Pharmaceuticals, Jalgaon	Nil	01
2	Prof. G. B. Shelke	Ph. D.	Rashtriya College, Chalisgaon, Dist- Jalgaon	Nil	01
3	Prof. P. D. Patil	Ph. D.	D. D. S. P. Arts, Sci and Com College, Erandol	Nil	01
4	Prof. P. M. Desale	Ph. D.	Govt. Polytechnique, Dhule	Nil	Nil
5	Prof. A. R. Patil	Ph. D.	Arts, Sci and Com College, Dharangaon	Nil	Nil

14. Citation index of faculty members and impact factor:

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

Citation Index: 7.221 / Title

15. Honors / Awards to the faculty:

Prof. B. V. Patil, Principal,

Unopposed elected as a member of Senate body of North Maharashtra University, Jalgaon.

Dr. P. M. Yeole, Chemistry,

Recognized as a PG teacher and guide for M. Phil. and Ph. D. in Chemistry, by North Maharashtra University, Jalgaon.

Dr. D. R. Patil, Physics, is invited to work as a resource person at:

1. Inauguration of Physics Association, Science Association and felicitation of Topper Students by offering attractive prizes and certificates at Dr. Patangrao Kadam Mahavidyalaya, Sangli, Dist – Sangli, Oct. 23, 2010.

Inaugurated Physics Association, Science Association, felicitated the Topper Students by offering prizes and certificates and delivered the lecture on “NANO TECHNOLOGY AND GAS SENSORS”, at 11.30 am - 1.30 pm.

2. Inauguration of Science Association at Sonopant Dandekar College, Palghar, Dist- Thane, Oct. 06, 2010.

Inaugurated Science Association and delivered the technologically informative two lectures on “INTRODUCTION AND APPLICATIONS OF NANO TECHNOLOGY (I and II)”, at 11.00 am - 2.30 pm.

16. Internal resources generated:

Sr. Nos.	Particulars	Amount in Rs.
1	Fees from Students of B. Sc. Computer	175200.00
2	Students consumer corner	No loss no profit
3	PCO collection	No loss no profit
4	Photocopy centre	No loss no profit
5	Laboratory deposits	Nil
6	Library deposits	Nil
7	Money saved from Repairing of instruments by the faculty	1634.00
8	Others	Nil
Total		176834.00

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.)
- b. LOKNYAYALAYA
- c. LITERACY MISSION
- d. ELEPHANTIASIS ELIMINATION PROGRAM
- e. HONEY BEE KEEPING AS A SERVICE TO A FARMER
- f. GUEST LECTURES TO VARIOUS INSTITUTIONS

To be offered by 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,
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.

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 personalities. Prof. B. V. Patil, Principal, delivered the lecture on strengths and weakness of women and their positions in society.

19. Teachers and Officers newly recruited:

Faculty of Teaching: Full time: 04 and CHB: 03

20. Teaching: Non-Teaching staff ratio: 31: 26

Full time: Part time Teachers ratio 28: 00

Full time: CHB Teachers ratio 28: 03

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:

Up to now, 30 books and journals are purchased which costs Rs. 7370.00 and again the college has to purchase some text and reference books and journals in the general and specific fields.

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 analysis 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:**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:

- Construction of wall compound has been completed.
- Library with reading room is shifted and settled in the new constructed hall.
- Physics Department is shifted to the new constructed hall.

- Construction of towers on both staircases is in progress.
- Water purifier with cooler is established in the staff room.

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. Twelve students got benefit from this scheme. Number of students has applied for the financial assistance and it is yet to be declared.

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.

C. FINANCIAL ASSISTANCE BY NORTH MAHARASHTRA UNIVERSITY, JALGAON

North Maharashtra University, Jalgaon has started to help the poor, outstanding and clever students. Number of students has applied for the financial assistance from the

University, out of which the college selected fifteen students liable for the scheme and forwarded their proposals towards the University.

30. Activities and support from the Alumni Association:

Better network has been established with the alumni by various departments.

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 and organized inter-collegiate competition. Few students are selected in University group champions in Volley ball, foot ball, weight lifting, cross country, Kho-Kho, Ashwamegh Krida spardha, etc. The college has a pride that Mr. Karosia Rakesh Magan is playing as a university player for football, since last three years. The college authority also has pride as many students are selected as divisional players and two students are selected in state level volley ball competition. They are ...

- i. Ms. Marathe Ashwini Murlidhar and
- ii. Ms. Patil Pooja Sambhaji

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, will be felicitated in the annual social gathering by offering them the attractive gifts, prizes, certificates, trophies, mementoes, etc.

35. Activities of the guidance and counseling unit:

Yet to be arranged the guidance for the counseling.

36. Placement services provided to students:

Career guidance cell provides information to students for placement along with the individual faculty.

37. Development programs for Non – Teaching Staff:

The training has to be started soon.

38. Healthy practices of the institution:

The faculty members will take 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 AND LITERACY MISSION CONDUCTED BY PANCHAYAT SAMITI, PAROLA**
- d. **ELEPHANTIASIS ELIMINATION PROGRAM**
- e. **PULSE POLIO CAMPAIGN**
- f. **BLOOD DONATION CAMPS**
- g. **YOGA CAMPS ARE ARRANGED IN THE CITY**
- h. **CAREER GUIDANCE TO STUDENTS**
- i. **HELP TO POOR AND DESERVING STUDENTS**
- j. **HOEY BEE KEEPING AT THE LAND OF FARMER**

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

- Prof. Dr. T. Sogo, Nagoya institute of technology, Showaku, Japan
- Prof. Dr. Yasuhiro Shimizu, Editor-in-Chief, Sensors and Actuators B: Chemical, Japan
- Dr. Rakesh Afre, South Korea
- National Chemical laboratory, Pune

- Shivaji University, Kolhapur
- Goa University, Talegao Plateau, Goa
- Amravati University, Amravati

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

The college authority has the pride that one of our faculty members Dr. P. M. Yeole (Chemistry) has recognized as a PG Teacher in Chemistry and guide for M. Phil. and Ph. D. Degrees in Chemistry. The college authority also has the pride that one of our faculty members Dr. D. R. Patil (Physics) is working as resource person at various national and state level seminars, conferences, and also, he is working as a reviewer for international journals having high impact factors. Science association and Physics associations are opened by his auspicious hands at Sonopant Dandekar Mahavidyalaya, Palghar Dist – Thane, Dr. Patangrao Kadam Mahavidyalaya, Sangli Dist – Sangli and Kisan Veer Mahavidyalaya Wai, Dist – Satara.

The college authority has the pride that not even a single case of ragging was found in the college, also, Mr. D. N. Suryawanshi (Physics) is teaching the electronics to ITI College Tehu, Mr. G. P. Borse (Chemistry) is teaching to PG students at parent University. Thus the college is leading in academic as well as in research and development and social works. We have the trust that, the college would definitely build the career of students, who would impart to build the society at each level. Prof. B. V. Patil, Principal, motivates and encourages the faculties and students in achieving the research, academic and sports developments.

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

Dr. D. R. Patil
Co-ordinator, IQAC

Prin. B. V. Patil
Chairperson, IQAC