

Dayanand Education Society's

# Dayanand Science College, Latur, Maharashtra, India



## Annual Quality Assurance Report 2008-2009 IQAC

**Submitted To**

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**By**

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Dayanand Education Society's  
**Dayanand Science College, Latur**  
**Annual Quality Assurance Report**  
**2008-2009**

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## **Preamble**

### **1.0. Institutional Mission:**

#### **1. Vision of the Institution**

Enlightened student of rural area and contribute them for Universal development by promoting education.

#### **2. Mission statement of the Institution**

“aa no bhadra kratavo yantu vishwatha”: let knowledge from all corners of the Universe come to us.

#### **3. Goals and objectives Institution**

- To impart higher education in science to the students of our rural area of this region.
- To promote the activities that are necessary for the welfare and overall development of the student
- To help the needy and economically weaker student in education.
- To inculcate discipline, sincerity and devotion among the students to make them most responsible and respectable citizens of India.
- To prepare the students to face the challenges of the competitive world.

### **1.1. IQAC and its constitution:**

The IQAC Constitution and its members are:

1. Dr. J. S. Tulba, Principal (Chairman)
2. Prof. J. S. Dargad, Vice-Principal (Vice- Chairman)
3. Prof. K. N. Rathod. (Member)
4. Shri. M. B. Deshmukh (Co-ordinator)
5. Dr. R. V. Solunke (Member)
6. Dr. C. S. Swami (Member)
7. Prof. Y. P. Sarnikar (Member)

The members met periodically and subcommittees were formed for focused activities. This document is the Annual Quality Assurance Report of the IQAC as adopted in the meeting.

## Part A

### 2.0 Pre instructional planning in the year to words quality enhancement.

The basic road map for the academic year was drawn from the report of IQAC, the peer team report of accreditation.

- Implementation of recommendations of the peer team in their report of accreditation.
- The Road map drawn by the college in the implementation of infrastructure.
- To promote the Information and Communication Technology based instructions.
- To inculcate quality perspectives in teaching, learning and evaluation.
- To complete the all college level process for the Second cycle of accreditation.
- To improve the Research activity in the college and the Faculty.
- To organize the national and state level conferences, Seminars in the Department of Zoology, Microbiology, Botany, English.
- To fulfill the available vacancies by the highly qualified Applicant.
- To provide additional classrooms, seminar hall, practical lab for the Department of Physics and Microbiology.
- To generate more and more internal resources for developmental work.
- To conduct the university sports Tournaments and training camp in the institute.
- To start the total computerized issue returns process in the library, Bar-code system for books.
- To organize blood donation camp through NSS and NCC.
- To conduct the remedial coaching classes for the weaker student.
- To arrange the extra lecture through NET/SET cell for the preparation of NET/SET examination in the department of Chemistry, Microbiology and Computer Science.

Such different plans are chalked out by the institution for the improvement.

## **Part B**

### **3.1. Activities' reflecting the goals and objectives of the Institution:**

- Institution is committed to impart quality education to the students of this rural area accordingly two post graduate courses e.g. Microbiology and Chemistry are conducted by the college. Students of this university are given priority in admission. Free hostel facility is extended for genuine and needy students of rural background. Education to students from economically weaker sections of the society is always a prime agenda of the institution. EBC, Scholarships and other central and state govt. Scholarships are awarded to the students as per government policy.
- Institution believes in the overall development of students. To achieve this NSS and NCC units of the college organizer different activities like residential camps in villages where students are exposed to physical labor, awareness of rural problems etc. NCC cadets are trained in regular parade and camps for development of qualities like comradeship, bravery etc. Seminar by the students is a constant ongoing activity throughout the year. Physical fitness is not overlooked by the institution, ground and sport facilities are provided for sports persons and college students. Cultural expressions of the students are taken care of in annual Social Gathering, Youth festival etc. Girl student's participation in such programmes is highly encouraged. Competitions like debate, Science quiz and essay writing also are conducted for inculcating stage courage, scientific aptitude among the students.
- Earn and learn scheme is major area for help to economically backward classes. Help is also rendered for the students by faculty members. Management of the college shares some quantum of economically backward students' fees in the non granted courses.
- Value based education is must to generate a responsible citizens of India. NCC and NSS wings take efforts to impart discipline among the students and motivated them to attend National Programmes like flag hoisting, rallies for AIDS awareness Global warming etc.
- Faculty members of the college promote the students to accept the challenges of changing world. Career counseling and placement cell is established and organizes programmes like spoken English, communication skills, personality development etc.

### **3.2. New academic programmes initiated (UG/PG):**

- Our college proposed new certificate courses Electronic Equipment Maintenance, Embedded Software System design, food processing, Computer Hardware Networking.

- There was an over helming response for the admission to the courses in the academic year too.

### 3.2.1. Student strength:

#### UG Course

| Class             | Men | Women | Total |
|-------------------|-----|-------|-------|
| B.Sc. First Year  | 97  | 42    | 139   |
| B.Sc. Second Year | 52  | 15    | 67    |
| B.Sc. Third Year  | 63  | 30    | 93    |
| Total             | 212 | 87    | 299   |

#### PG Course

| Class              | First Year | Second Year | Total |
|--------------------|------------|-------------|-------|
| M.Sc. Chemistry    | 35         | 32          | 67    |
| M.Sc. Microbiology | 34         | 33          | 67    |

#### Research Center:

| Subject Name | Men | Women | Total |
|--------------|-----|-------|-------|
| Microbiology | 1   | 1     | 2     |

#### Academic results: June 2008-2009

| Class                         | Total Students | Appear Student | Passed Students | First Class | Second Class | Pass Class | Percentage of passing |
|-------------------------------|----------------|----------------|-----------------|-------------|--------------|------------|-----------------------|
| B.Sc. I.II.III                | 299            | 265            | 204             | 56          | 80           | 66         | 67.00%                |
| M.Sc. (Micro.)<br>Second Year | 33             | 33             | 19              | 19          | 0            | 0          | 57.57%                |
| M.Sc. (Chem.)<br>Second Year  | 32             | 32             | 16              | 16          | 0            | 0          | 50.00%                |

### **3.3. Innovations in curricular design and transaction:**

- University has constituted academic bodies for framing the curriculum.
- Some members of this institute are actively engaged in designing of curriculum at university level.

### **3.4. Inter-disciplinary programmes started:**

- Nil

### **3.5. Examinations reforms implemented:**

- Examinations of all classes are conducted by SRTM University Nanded.
- The regulation and reforms are suggested by University. However, the practice like providing question bank to students before internal examination is followed by the college.

### **3.6. Candidate qualified: NET / SET:**

1. Microbiology – 01
2. Chemistry – 03

### **3.7. Total number of Seminars / Workshops conducted:**

- Workshop on practical physics conducted.
- Workshop on recent trends in curriculum of U.G. & P.G. Zoology on 29/09/2008 At. Yeshwant Mahavidyalaya, Nanded.
- Workshop on recent trend in curriculum of U.G. & P.G. Zoology on 29/09/2008 At. Yeshwant Mahavidyalaya Nanded.
- One day workshop on “**New Syllabi in English**”, jointly organized by Swami Ramanand Teerth Marathwada University, Nanded and Mahatma Gandhi Mahavidyalaya, Ahamadpur District, Latur.
- One day workshop on ‘**Semester Pattern in the Subject English**’, organized by Swami Vivekanand Mahavidyalaya, Shirur Tajband Tal Ahmadpur District Latur.

### **3.8. Research Projects:**

- Dr. J. S. Dargad on going his minor research project of amount 73000/- (Rs. Seventy Three Thousand Only) on “**Some Studies on (CdMn) S Diteded Magnetic Semiconductor Thin Film**”.

### **3.9. Patents generated, if any:**

- Our Botany and Zoology Department have linkages with School of Life Science, Jalgaon, Institute of Science, Aurangabad.
- Our PG and UG Department NIV, IUCAA, Pune, NEERI, Nagpur, BRI, Kolkata, ICRISAT and NIN, Hyderabad, BARC, Mumbai and international



linkages with Baylor School of Medicine, Texas and USSR Academy of Sciences.

**3.10. New Collaborative research programmes:**

- Our Physics Department's Research Center has Collaborative with the Research Center Dr. Babasaheb Marathwada University, Nanded, and Physics Research Center Shahu College, Latur and Department of Physics Research Center and Physics Research Center Shivaji College, Omerga Dis. Osmanabad.

**3.11. Research grants received from various agencies:**

- Nil

**3.12. Details of Research Scholar:**

The following table gives details about research scholar.

| Sr. No. | Subject      | No. of Research Guide & their name   | No. of Research Scholars           |
|---------|--------------|--|------------------------------------|
| 01      | Microbiology | Research Guide (2)<br>Dr. B.S. Nagoba,<br>Dr. B. M. Sandikar<br>Dr. S. R. Deshmukh | M.Phil (2)<br>Ph.D. (2)<br><br>(1) |

**3.13. Citation index of faculty members and impact factor:**

- Nil

**3.14. Honors/Awards to the faculty: National and International**

- Nil

**3.15. Internal resources generated:**

- From the different sources we have generated Rs. 20,000/- as a internal resources for the developmental work of the college.
- In addition to the internal generated we have received Rs. 36,000/- from the interest on the deposit for earn and learn scheme and other.
- Also we have received Rs. 4,00,000.- for the developmental work of college.

**3.16. Details of departments getting assistance/recognition under SAP, COSITS(ASSIST)/DST, FIST, & other programmes:**

- Nil

### **3.17. Community Services:**

- Blood donation camp was organized by NSS & NCC units of this college. Students are encouraged for donating blood. Cadets of NCC take a pledge for donation of vital organs and show solidarity with social causes by taking the pledge against female feticide and ant dowry.
- Microbiology department check the portability of water on regular basis of college water tank.
- NCC Cadets also participate in cleanliness drive Pulse-polio drive and AIDS –awareness drive organized by the civil authorities.
- NSS unit of this college conducts a fully residential camp at the villagers nearby for community services. The volunteers are motivated youths and carry out cleanliness drive, adult education drive, environment pollution awareness and AIDS awareness drive for the benefit of the rural population.

### **3.18. Teachers / Officers newly recruited:**

- Nil

### **3.19. Teaching - Non – Teaching ratio:**

- Teaching Staff: 04
- Non-Teaching Staff: 06
- Teaching/ Non-Teaching Ratio = 1:2

### **3.20. Improvement in the library services:**

- Library automation is underway and would be completed soon.
- The Hardware System available in the Library are Computers: 3, Printer – 1, C.D. Writer – 1 8 port switch – 1, E- cats cable – 1, UPS etc. The software for Library use is EASY Lib- 4.1 developed by Marcus consultants, Pune. Data entry is in progress.
- The library networking is in LAN and with internet, reprographic, multimedia facility.

### **3.21. New Books/ Journals subscribed and their value:**

The Books, Journals, News papers, Periodical and other Reading Materials subscribed in the current year given below.

| <b>Sr. No.</b> | <b>Particulars</b> | <b>Number of particulars</b> | <b>Cost/Value (Rs.)</b> |
|----------------|--------------------|------------------------------|-------------------------|
| 01             | New Books          | 608                          | 1,80,482/-              |
| 02             | Periodicals        | 22                           | 16,770/-                |
| 03             | Journals           | 26                           | 18,978/-                |

|                  |            |    |                   |
|------------------|------------|----|-------------------|
| 04               | Newspapers | 14 | 12,132/-          |
| <b>Total Rs.</b> |            |    | <b>2,28,362/-</b> |

**3.22. Student feedback an action taken for courses and Teachers:**

- There is formal system of feedback of a teacher by students.
- Final year students are encouraged to write their valuable remarks about infrastructural facility and assessment of the teachers.
- The feedback is usually kept confidential and suggestion if any is communicated to the concerned staff member by the Principal.

**3.23. Unit cost of education:**

- The Total expenditure, no. of students and unit cost for this year is given below.
- Total Expenditure = Rs. 1,11,58,867/-
- Total No. of Students = 650
- Unit Cost = Rs. 17,167.00/-

**3.24. Computerization of administration and the process of admissions and examination results, issue of certificates:**

- Automation of the administrative procedure is in progress and issue of e-certificates by the using the computer is starting from this year.

**3.25. Increase the Infrastructural facilities:**

- Dayanand Education Society made whole hearted effects to extend the required infrastructural facilities for conduct of all academic and extracurricular activities.
- In this context, the management is keen to increase the facility of classrooms, laboratories, playgrounds, canteen, supply of potable drinking water etc.
- The management has proposed to construct the classrooms and laboratories on the existing infrastructure.
- The site for canteen is notified and the construction is proposed. To encourage the students for sport's a spacious part of the ground is notified for lawn tennis court.
- The construction is already on and will be completed in near future.

**3.26. Technology upgration:**

- Microbiology department purchased rotary evaporated.
- College purchased 04 Computers for administration office.

- College purchased 10 computers for Computer Science Department.

### **3.27. Computer and internet access and training to Teachers, non-teaching staff and Student:**

- Computer literacy is the requirement of the new age. Considering this, computers and internet facilities are provided to all the departments for accession to the students and teachers.
- Students are encouraged to utilize this facility during leisure time. The library is also provided with computers facility.
- The students are encouraged to access e-journals.
- It is proposed that the library will be linked to internet facility (INFLIBNET).
- Training of computers is included in the curriculum, teachers who are interested to learn computers are taking informal lessons from computer teachers.
- It is also proposed that the internet facility will be provided to all the department in the near future.

### **3.28. Financial aid to students:**

- As the college receives few students from rural areas around Latur and under belong to weaker economic families, the college administration has decided to extend financial aid to such students under the schemes like 'Earn and Learn' During the years 2008-2009 three students receiving approximate Rs. 30,000/- per month.
- Deserving students are given exemption in hostel and messing fees.

### **3.29. Activities and support from alumni association:**

- Alumni association is constituted and the meetings of office bearers are held regulatory association.
- Alumni association carried out activities like career counseling, health check up etc. Health centre is managed by alumni doctors.
- A record of the alumni passed out is maintained at college level.
- Alumni students who have joined different organizations support the present students for placement in industries.

### **3.30. Activities and Support from the parent-teachers Association:**

- Parent-teacher association is constituted and is active in overall development of students.
- Parents are encouraged to visit the college and the meetings with authorities are conducted.

- Though few formal gathering/meetings of parents with the teachers are organized, parents individually visit the college to take stock of the development of their ward.

### **3.31. Health Services:**

- In the event of minor health problems we use the first aid kits kept at the Departments mentioned above and then seek help from clinics which are situated very close to our college run by our former students.
- Some of our management members and Alumni are medical professionals who provide medical service to us.
- One general physician and a gynecologist are notified for the same.

### **3.32. Performance in sports activities:**

- Shri. Ravindra Bhimrao Yenpure was represented was S. R. T. M. University Nanded Athletics (M) Team for the event Triple Jump, 100m. Sprint in Aswamedh and inter University Tournaments.
- Through this college is a single faculty science college and the students are practically engaged in academics, the number of participants in sports activities is significant. Apart from participation in regional, state level sports Events College organizes sports activities during annual social gathering staff and students take active part.
- Mr. Mahesh Bembade, Physical Director, is been selected as a Coach for Cricket (Men's) of S.R.T.M. University, Nanded team for participation is IUT for 2008-09.
- The step taken by the college authorities and Director of Physical Education has been successfully transformed into appreciable motivation of our students for participation in sports events.

### **3.33. Incentives to outstanding sports persons:**

- All the students participating in the sports events are given incentives by the college. A blazer and sport shoes are given to all the players for their tournaments.
- S.R.T.M. University, Nanded awards five extra marks in third year of graduation for those players who have participated in interuniversity tournament.

### **3.34. Students achievement and awards:**

- Keeping the track record of merits in the Microbiology department in the academic year 2008-2009 Three students of Microbiology department got First, Second and Third rank in Merit list.
- Research activity in Microbiology dept. has generated intensive interest in the publication of research work carried out by post graduate students.

### **3.35. Activities of the Guidance for Non-teaching Staff:**

- Guidance and Counseling unit helps the students for selection of courses and subjects during the admission to B.Sc. courses.
- The unit is actively engaged in giving guidance and counseling to students for selection of higher education post graduate courses and NET/SET preparation.
- Informal guidance and counseling is extended to the students who approach the individual teachers during the academic session.

### **3.36. Placements services provided to students:**

- It is understood by the college authorities that the students educated and trained in this institution shall get a better placement in MNCs and other organizations.
- Though the formal arrangements with such organizations for regular placement camps are not possible, such interviews are arranged as per the requirements and requests of the companies.
- Wipro Infosys, Pune has shown interest to hold such campus interviews for the graduates of this college in the year 2008-09.
- Alumni placed in MNCs and other reputed organizations help the passing out students for their placement. Though, this is done on individual basis the post graduate departments are involved in this exercise.

### **3.37. Development programmes for non-teaching staff:**

- Newly appointment staff is generally placed according the vacancy and need of the department. He is trained by the head of the dept. and senior colleagues. Through this exercise is informal, it proved to be good practice.
- The staff is usually not transferred from the parent department unless under special circumstances. However no formal organized efforts were carried out for training of non-teaching staff during the years 2008-2009.
- Authors are convinced that such activities are required for better working environment in the college. Such training programmes would be on the agenda for the next years.

### **3.38. Any other relevant information the institution wishes to add:**

- Faculty and PG students of our college have presented research work in various conferences/seminars/workshops/ journals.
- 10 students presented research work in conferences. Teachers and students of dept. of Microbiology published 1 paper in International Journal and 2 papers in National Journals.

## **Part C**

### **4.0. Outcomes achieved by the end of the year**

- Constructed the digital classrooms in the department of Physics, Computer Science for the P.G. and U. G. students.
- Fulfill the available vacancies by the highly qualified Applicant.
- Provided additional Classrooms, Seminar Hall, Practical Lab, Digital Classroom for the Department of Physics and Microbiology.
- Generate more and more internal resources for developmental work.
- Conducted the university sports Tournaments and training camp in the institute.
- Provided computer internet facility to the Department.
- Organized blood donation camp through NSS and NCC.
- Conducted the remedial coaching classes for the weaker student.
- Arranged the extra lecture through NET/SET cell for the preparation of NET/SET examination in the department of Chemistry, Microbiology and Computer Science.

## **Part D**

### **4.1. Plan of the institution for the next year**

- A task force to set up to improve the services to students and the faculty.
- More impasses ICT based teaching learning to be introduced.
- Web concerning to be implemented.
- Implementation of recommendations of the peer team in their report of accreditation.
- To promote the Information and Communication Technology based instructions.
- To complete the all college level process for the Second cycle of accreditation.
- To organize the national and state level conferences, Seminars in the Department of Zoology, Microbiology, Botany, English.
- To fulfill the available vacancies by the highly qualified Applicant.
- To generate more and more internal resources for developmental work.

- To conduct the university sports Tournaments and training camp in the institute.
- To start the total computerized issue returns process in the library, bar-code system for books.
- To provide computer internet facility to the each Department.
- To provide the laptop to each faculty member for the purpose of research work.
- To purchase the mathematical software “MATLAB” for the purpose of practical and research work.
- To organize blood donation camp through NSS and NCC.
- To conduct the remedial coaching classes for the weaker student.

Date: .....

Signature

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**Dr. M. B. Deshmukh**  
Coordinator (IQAC)

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**Dr. J. S. Dargad**  
Principal