

ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF IQAC

For the Year 2004-05

Submitted To
**National Assessment
And
Accreditation Council
(NAAC)**



**DHARAMPETH M.P. DEO MEMORIAL
SCIENCE COLLEGE**

N.A. Road, Near Ambazari Garden, Nagpur - 440 033
☎ - (0712) 2241372, 2241490, FAX - (0712) 2240070
Email - principal_dsc@rediffmail.com



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THE IQAC

Name of the Institution : Dharampeth M. P. Deo Memorial Science College,
Nagpur

Year of Report : 2004-2005

Part - A :

Plan of Action : NAAC Peer Team visited the college in August 2003 and gave some valuable suggestions for overall development of the college and also for improvements in the quality of education. A meeting of staff members was called to discuss and crystallize planning for the year 2004-2005. Following committees were formed to carry out academic, extra-curricular and administrative activities.

- Admission Committee
- Examination Committee
- Workload Committee
- Discipline Committee
- Library Committee
- Up-gradation and Fixation Committee
- Discipline Committee
- Attendance Committee
- Students Council and Extra Curricular Activities Committee
- Alumni Committee
- Grievance Redressal Committee
- Women Cell
- Students Placement Committee
- NSS Committee
- NCC Committee
- Research and Projects Committee



- Magazine Committee
- Prize Distribution Committee
- NAAC Steering Committee

All Heads of the Departments conducted meetings in the beginning of the session to distribute time table to the staff members and also to prepare the teaching plan for the year. List of requirements in the departments were prepared and submitted to the principal. .

In 2004 Dharampeth Education Society, Nagpur which runs Dharampeth M. P. Deo Memorial Science College has completed 75 years of its functioning. To mark this important event it was decided to spread the scientific awareness in the society, mainly through academic institutions. As a part of this project it was planned to organize Science Exhibition, Workshops, Training Programs in which school and college students from the places in and around Nagpur would be actively participating.

Computerization of administrative work and library has also been decided to be taken up on priority basis. It has also been planned to train the office staff for smooth handling of the machines in day today work. Computer training programe would be organized by experienced staff members of the college.

For overall personality development of students, different programs were planned. Efforts would be made to inculcate self-employment aptitude in students through suitable programs.

To expose students to recent developments in various fields guest lectures of prominent personalities and group discussions would be organized. With same object in mind visits of students to leading research institutions were planned.

Different cultural activities, sport events would be organized to explore hidden talent in the students. It was planned to organize National Level



Conference at least in one subject and also to encourage staff members of the college to attend, actively participate in national level seminars, conferences, workshops in their respective subjects.

It was also decided to set up question banks in different subjects at the departmental level. With this activity students would be acquainted with different types of questions they would be facing in university examination.

It has been planned to conduct unit tests at the departmental level after completion of each unit in the syllabus. Students would get writing practice with this activity.

We are very happy to state that whatever we planned at the beginning of the session, almost everything was completed at the end of academic year. Details of various activities are given at appropriate places in part B of the report.

**Part -B :****1: Activities Reflecting Goals and Objectives of the Institution :**

The aim of the college is to mould young men and women as leaders in all walks of life so that they can serve the people in truth, justice and love. The college stands for formation of character along with academic excellence. The goals and objectives of the college are the following:

- To serve the cause of social justice, ensure equity and increase access to higher education,
- To equip students with global competencies so that they can face the changing global scenario successfully,
- To inculcate a desirable value system in students,
- To train students develop the thirst for excellence.

These goals and objectives are made known to the stakeholders through the meetings with Students' Council, Extension Service Organizations, Placement Cell. These institutional goals are translated into suitable academic programmes and extension activities.

2: New Academic Programs Initiated: NIL**3: Innovation in curricular design:**

Since our institution runs the courses designed and prepared by Nagpur University, we do not have liberty to teach programs of our choice. However, our staff members who are on various academic bodies of the university, play active role in making suitable changes in the courses, at their level in the university.

Following staff members attended subject related workshops / meetings for syllabi reformation and designing based on UGC guide lines.

Dr.Ms.A.M. Bhate - member, BOS in Environmental Science (Adhoc)

Mrs. C.P.Cholkar - member, BOS in Statistics.



Dr.Mrs.A.S.Kulkarni	- member, BOS in Microbiology and Biotechnology
Dr.J.S.Mandlekar	- Chairperson , BOS Home Management
Mr.P.S.Banait	- member, BOS in education and extension
Mrs.R.Kulat	- Home Science, Textile
Mrs.M.M.Deshpande	- Home Science
Dr.A.R Aipatwar	- Home Science (Community Health And Family Welfare)
Mr. V.G Paranjape	- Home Science (Physics)

4: Inter- disciplinary programs started :

All the subject combinations are designed in such a way that they facilitate horizontal movement. For example, a student of home science studies Literature and communication skills offered by the Department of English or a student of B.Sc. Chemistry studies “Numerical Ability” offered by the Department of Mathematics.

5: Examination Reforms Implemented:

As the college is affiliated to Nagpur University it has no freedom to reform the examination pattern. But from time to time suggestions are given to Board of studies for incorporating the relevant changes.

6: Number of candidates qualified NET - Nil

SET: One,

Mrs. Vinaya Kashikar faculty of Home Science

7: Seminars/Workshops conducted:

In House Seminars/Workshops/ Guest lectures conducted:

- To celebrate the platinum jubilee year of ‘Dharampeth Education Society the college organized various events throughout the year. These include ‘Wings Of Science’ –a Science Exhibition, guest



lectures, workshop's etc . Different schools, Science and engineering colleges around Nagpur participated in it.

The following **Guest lectures / Workshops** were arranged as a part of Platinum Jubilee celebration of Dharampeth Education society.

- One day seminar titled '**Menstrual Problems in Young Girls**' by Dr. Chaitnya Shembekar on 24th July 2004.
- Three day's workshop on **fabric painting** for B.Sc.final students was organized. Miss Priyanka Shegaonkar from Camlin India Ltd. worked as resource person. from 8th to 10th August 2004.
- Six day's workshop on **Hand Embroidery** was conducted by Mrs. Manisha Pendharkar for B.Sc. Part 1 students. from 9th to 14th August 2004
- Two day's workshop was organized for B.Sc. Final students . Experts from Kosh Fashion Institute guided the students on the topic '**Fashion Illustrations**'. on 6th and 7th Sept. 2004.
- Two day's workshop on '**Glass Art** 'was arranged for B.Sc. part 2 students on 10th and 11th Sept. 2004. Miss Priyanka Shegaonkar from Cemlin India Ltd. guided the students.
- Two day's workshop for B.Sc.Part 1 students on the subject '**Handling of colors for preparation of greeting cards**'.was organized on 29th and 30th Oct. 2004. Mrs. Manik Date worked as resource person.

The Science exhibition by name **Wings of Science** was arranged on 10th December 2004. at intercollegiate level where KG to PG students participated. The exhibition was inaugurated at the hands of Dr. Chandrashekhar Nautiyal, Director, National Research Laboratory, Lucknow and in the gracious presence of Shri Prabhakar rao Mundle, President



Dharampeth Education Society,, The exhibition received an over whelming response. Nearly ten to twelve thousand spectators visited the exhibition.

- A poster exhibition on **‘Innovations of Science’** was also arranged in which 23 posters were presented.
- An essay competition on ‘India in 2020’ was organized, in which 24 essays were selected for the final competition.
- sky-watching was organized with collaboration of ‘Raman Science Center, Nagpur’. Nearly 200 people benefited from it.
- ‘Nagpur Garden Club’ along with our college arranged a ‘Plant and Flower Exhibition’. This was inaugurated on 12th December, at the hands of Dr. Shyam Singh, Director, National Citrus Fruits Research Centre, which was presided over by Dr. Sukumar Devotta, Director, NEERI, Nagpur. In this exhibition plants in nine categories were kept such as Roses, Cut Flowerers, Flower Arrangement and Decoration, Salad Decoration, Bonsai Plants Indoor Plant, Cacti and Succulents, Chrysanthemum and Medicinal Plants. The students showed great interest in organizing this event and were immensely benefited by observing different medicinal plants, cacti, succulents and Bonsai. This exhibition too received a huge response.
- In the evening, prize distribution ceremony was held. The prizes were distributed to the winners of various categories, like project presentation, essay competition, poster competition etc. at the hands of Shri Mahesh Mhatre, Chief Editor of the daily ‘Sakal’. Shri laxmanrao Joshi, Vice President, Dharampeth Education Society presided over the function.



- On 10th December **Dr. Chandrashekhar Nautiyal**, Director, national Research Laboratory, Lucknow delivered a lecture on '**Emerging Trends in Biotechnology**'.
- **Dr. Ramesh Bhonde**, Senior Scientist, National Cell-Science Institute Pune spoke on 'Peshinchi Karamt – **Magic of Cells**'.
- On 11th December **Anand Bhawe**, Director, Anand electromagnetism, Pune and visiting faculty, Department of Instrumentation, Pune University delivered interesting lecture on 'Dhyas Mojanyacha – **Evolution of Measurement**'.
- **Dr. Madan Fadnis**, eminent diabetologist from Pune gave interesting information on 'Management of Diabetes'.
- On 12th December the morning session was conducted by **Dr. Avinash Upadhyay**, Director, Hislop School of Biotechnology, Hislop college, Nagpur, He spoke on 'Educational Opportunities in Biotechnology'.
- On the concluding session of the lecture series **Dr. Y.V.N. Krishnamurthy**, Director, Remote Sensing Centre, Nagpur. Spoke on 'Remote Sensing Geographic Information for Sustainable Development'.
- Three day's workshop on '**Printing Technology**' was conducted from 22nd to 24th Dec. 2004.
- Two day's workshop on '**Dyeing of Silk and Wool with acid dyes** by varying percentage in shade was conducted by Mr. Mohan Gokhale a Textile Chemist from Nagpur on 7th and 8th Jan. 2005
- One day's workshop on **cotton dyeing with reactive dyes** was conducted by Mr. Mohan Gokhale on 22nd Jan. 2005



8: Conference / Seminars / Workshops attended by Staff Members :

Paper's Published

Dr. Ms. Asha Bhate Department of Zoology

Published a research paper titled

“Assessment of water quality of river Irai (Dist.- Chandrapur) on the basis of seasonal fluctuations in D.O and BOD.” In Journal of Ecophysiology and occupational Health, Vol. 4, No. 122, 2004 / 117 – 122 published by the Academy of Environmental Biology, India.

Prof. N.L. Khobragade of Department of Mathematics A research paper titled ‘ Thermal stress for a thin annular disk subjected to a distributed heat supply ‘ accepted for presentation in the 6th International Congress on Thermal Stresses. May 26-29 May 2005 in Vienna , Austria.

Mrs. Anagha Nasery of department of Statistics presented a paper ‘ Comparison of multiple treatment in sequential clinical trials’ in International Conference on Recent Developments in Statistics and its Applications, organized by Shri Venkateswara University, Tirupati. (3rd to 5th Dec. 2004)

Prof. P. W. Ambekar Department of Physics

- “Galvanic CO₂ –Sensor with Li₂ O:B₂O₃, Glass Ceramics based Composite”, Journal of Ionics, Vol, 10, 2004.
- “As NbO₃ disperesed Ag₂ SO₄ Composite for potentiometric SO₂ –Gas Sensor Application” Journal of Ionics, Vol, 10, 2004.

Dr. Mrs. A.S.Kulkarni, Head, Department of Microbiology attended

- UGC Sponsored National Symposium on ‘ Recent Advances in Cancer Research’ organized by P.G.Department of Biochemistry, Nagpur on 7th Jan.2005.



- Attended 13th National Conference on Aerobiology organized by Dept. of Botany, Institute of Science, Nagpur.(31st Jan2004 to 2nd Jan. 2005).
- Attended workshop on ‘Wild Life Conservation’ organised by Govt. of Maharashtra and Sevadal Mahila Mahavidyalaya,Nagpur on 2nd Oct. 2004.
- Attended ‘ A Biotalk on Cancer, organized by Biotechnology Society of Hislop College, Nagpur from 21st to 22nd Jan.2005

Mrs. A.A.Deo of Department of Microbiology attended National Symposium on ‘ Recent Advances in Cancer Research’ organized by P.G.Department of Biochemistry, Nagpur on 7th Jan.2005.

- Attended 13th National Conference on Aerobiology organized by Dept. of Botany, Institute of Science, Nagpur.(31st Jan2004 to 2nd Jan. 2005

Dr. Mrs. V.R.Katoke of Department of Microbiology attended National Symposium on ‘ Recent Advances in Cancer Research’ organized by P.G.Department of Biochemistry, Nagpur on 7th Jan.2005.

- Attended 13th National Conference on Aerobiology organized by Dept. of Botany, Institute of Science, Nagpur.(31st Jan2004 to 2nd Jan. 2005

Dr. K. S. Moon of Department of Physics attended ‘National Seminar on Growth and Characterization of Solid Materials-2004’ held at L.I.T. ,Nagpur from 20th to 21st Nov.2004. He has also attended ‘National Seminar on Ferroelectrics and Dielectrics’ at Delhi University, New Delhi(23-25 Nov.2004).

Prof. P. W. Ambekar Department of Physics participated in DST sponsored workshop on ‘Sensor Material Development and Applications’ held at Tenjavur duing 14th to 26th June 2004.



Dr. C. V. Dhuley of Department of Electronics attended 'National Seminar on Science and Technology of Low Dimension Systems and Devices' at Katol on 18th and 19th Dec.2004.

Dr. Mrs. S. V. Dagaonkar, Head, of Department of Chemistry attended one day workshop on 'Environmental Impact and Pollution awareness' organised by Dept. of Civil Eng., YCCE, Nagpur on 22nd July 2004.

- Attended state level seminar 'Emerging Trends Challenges in Chemistry' organised by Sevadal Mahavidyalaya, Nagpur on 23rd Jan.2005.

Dr. Mrs. V. J. Aparajit, Department of Chemistry attended one day workshop on 'Environmental Impact and Pollution awareness' organised by Dept. of Civil Eng., YCCE, Nagpur on 22nd July 2004.

- Attended state level seminar 'Emerging Trends Challenges in Chemistry' organised by Sevadal Mahavidyalaya, Nagpur on 23rd Jan.2005.

Dr. Mrs. V. S. Katkar Department of Chemistry attended one day workshop on 'Environmental Impact and Pollution awareness' organised by Dept. of Civil Eng., YCCE, Nagpur on 22nd July 2004.

- Attended state level seminar 'Emerging Trends Challenges in Chemistry' organised by Sevadal Mahavidyalaya, Nagpur on 23rd Jan.2005.

Dr. R. B. Lanjewar Department of Chemistry attended one day workshop on 'Environmental Impact and Pollution awareness' organised by Dept. of Civil Eng., YCCE, Nagpur on 22nd July 2004.

- Attended state level seminar 'Emerging Trends Challenges in Chemistry' organised by Sevadal Mahavidyalaya, Nagpur on 23rd Jan.2005.



Dr. D. B. Jadhao Department of Chemistry attended one day workshop on 'Environmental Impact and Pollution awareness' organised by Dept. of Civil Eng., YCCE, Nagpur on 22nd July 2004.

- Attended state level seminar 'Emerging Trends Challenges in Chemistry' organised by Sevadal Mahavidyalaya, Nagpur on 23rd Jan. 2005.
- Active participant in NCC Rally organized by NCC group Head Quarter for Tsunami Relief Fund on 7th January 2005.

Prof. Mrs. Kalpana Patankar Department of Home Science attended 'National Conference on Humanising' at National Institute of Industrial Engineering, Mumbai' on 22nd to 24th JAN. 2005.

Dr. N. R. Ugemuge Head, of Department of Botany attended state level seminar "Emerging Trends and Challenges in Chemistry" organised by Sevadal Mahavidyalaya, Nagpur on 23rd Jan. 2005.

- Worked as (i) Member of monitoring committee of UNDP-GEF-SGP program of VNC Nagpur on Biodiversity Conservation. (ii) Participatory in Nature Resource Management in four villages around Navegaon National Park.
- Workshop on Botany Practical for B.Sc.II organized by L.A.D. College, Nagpur on 23, 24 June 2004.
- Symposium on 'Cancer' organized by Hislop School of Biotechnology and Biotech Society on 21st to 22nd January 2005.

Prof. P. T. Humane Department of Botany attended state level seminar "Emerging Trends and Challenges in Chemistry" organised by Sevadal Mahavidyalaya, Nagpur on 23rd Jan. 2005.

- Workshop on Botany practicals for B.Sc.III organized by L.A.D. College, Nagpur on 23, 24 June, 2004.



Dr. M.J. Dhongade Department of Zoology Attended

- Workshop on Pathology & Clinical Laboratory Techniques organized by S.F.S. College, Nagpur 25th & 26th Oct. 2004.
- Workshop on Scope and Limitation B.Sc. III Paper III - Shri Shivaji Science College & BOS, in Zoology RTM Nagpur University Nagpur on 17th Oct. 2004

Prof. S.C. Masram Department of Zoology Attended

- workshop on Pathology & Clinical Laboratory Techniques organized by S.F.S. College, Nagpur 25th & 26th Oct. 2004.

9. Research Projects : Nil

10. Patents generated, if any nil

11. New collaborative research programs: nil

12. Total research grants received from various agencies: nil

13. Number of research scholars: one

Although the college does not have post graduation courses but some of the faculty members are registered guides of Nagpur university. They guide students in collaboration with PGTD of Nagpur University

Dr.Mrs.A.S.Kulkarni Head, Department of Microbiology is guiding

Mr. M.S.Ambatkar on the topic:- Studies on microbial flora of edible fishes of Nagpur region and to evaluate the antimicrobial efficacy of essential oils on them

14. Citaion index of faculty members and impact factor: Nil



15. Honours / awards to the faculty:

- **Prof. Dhananjay Welukar Head**, department of Physical education was nominated by His Excellency, the Governor of Maharashtra, Dr. Mohammed Fazal as observer of Ashwamedh 2004 Inter University Tournament at Nanded from Nov. 27 to Dec.1, 2004.
- **Dr. Dhongade department of Zoology** was awarded Ph.D. by Nagpur University for the thesis titled ‘ The Histochemical studies on the effects of antifertility plant secretion on the breeding cycle of the Albino Rat’.
- Certificate of Honor was awarded by Dr. Babasaheb Ambedkar Teachers Welfare Association, Nagpur on 6th Nov. 2004.

16. Internal Resources Generated:

- Computer Science and Industrial Chemistry are the two subjects which are taught in the college on NO GRANT BASIS. Additional Fee of Rs. 5000/- (for Computer Science) and Rs.3000/- (for Industrial Chemistry) is charged to meet the expenses.
- On most of the Sundays College class rooms are given on rent for conducting competitive examinations by different organizations.

17. Details of Depts. Getting Sap, Cosist, DST, FIST Assistance / Recognition : Nil

18. Community Services:

The College is actively involved in rendering services to the community through N.C.C and N.S.S. Some of the contributions made by the college are as follows:



NSS:-

NSS Unit was inaugurated at the hands of Shri Avinash Deuskar & Sau Vimala Deuskar on 10th August 2004. A documentary on adventure activities was shown to students.

An adventure camp was organized on 22nd Aug, 04 at Wadgaon where students enjoyed all the adventure activities like rock climbing, river rafting, trekking, hurdle race etc.

Pollution Control Camp was held on 26 august 2004. All the vehicles in the college were tested for PUC.

- Girl's students of the college prepared **Rakhees** for blind school students and presented them on Raksha bandhn -29th Aug. 2004.

Blood Donation Camp organized on 31 August 2004 in collaboration with Shri Sainath Blood Bank also Rangoli and Wallpaper competitions were organized.

- Students of microbiology department actively participated in testing blood group in the blood donation camp.
- **AIDS awareness programme** was organized in collaboration with IGMC, Nagpur. On 16th September 2004 .
- A demonstration of **solar cooker** was given to people residing in Pandhra bodi slum area by college students.
- NSS arranged **winter camp** at **Maitraban** Mohgaon (Zipli) Tah. Hingna Distt. Nagpur from 19th Nov, 2004 to 28th November

During the camp the following activities were performed

- 1) Personality development
- 2) Creating awareness about addictions like alcohol, smoking, drugs, gutka among villagers through poster presentations, monoacting and roadside dramas



- 3) Sky watching by Pramod Joshi.
- 4) Positive thinking by Yugal Rayalu.
- 5) Marketing Education by Sanjay Tatwawatdi.
- 6) Dental check up camp - Dr. Vaidya guided the students about How to take care of dental problems.
- 7) Through ShramDan students **build up a road** of 1 1/2km by putting soil, boulders & they leveled the road.
- 8) Villagers were given lectures on Healthy food habits & proper disposal of sewage water, cleanliness & hygiene.

- **Tsunami Relief fund Rally** : All NCC cadets of our college actively participated in the collection of Tsunami Relief fund rally which was organized by Nagpur Group Head Quarter NCC, Nagpur and the amount Rs. 52,639=00 is deposited in the Prime Minister Relief Fund on 07 January 2005.
- Our country faced natural disaster in the form of **Tsunami**. Students and staff members of the college contributed and also actively participated in the relief fund rally. The amount collected was deposited in the **Prime-minister Relief Fund**.
- **On Savitribai Fule Jayanti** staff members and students generously donated food grains and clothes for a home for destitute children in Nagpur. This activity received overwhelming response from one and all. Bags of food grains and clothes were handed over to Balsadan Sanstha of Nagpur.
- **Campus cleaning program** was organized on 7th December 2004

19: Number of Teachers and Officers newly recruited:

- Dr. V.R.Pasarkar Head ,Dept. of Chemistry is appointed as Principal of the college.



- Dr. M.V.Pande Dept. Of Chemistry is appointed as Vice-Principal of the college.

Non teaching staff :- Smt.R.R.Katankar was appointed on compassionate ground on 13/04/2005

Contributory Lecturers in Industrial Chemistry :-

1. Ku. S.A.Gurjar
2. Smt.R.R.Pande
3. Smt.S.D.Sathe
4. Shri.A.M.Pande
5. Shri.A.S.Kale
6. Shri.R.B.Lanjewar
7. Shri.G.K.Ghosal
8. Shri.Ramanush Chakraborti

Contributory Lecturer in Botany :-

1. Shri.S.M.Kathale

Contributory Lecturers in Chemistry :-

1. Smt. R.R.Pande
2. Ku. S.A.Gurjar
3. Shri. K.R.Damahe
4. Shri. A.M.Pande
5. Ku. S.A.Gode
6. Ku. P.M.Joshi
7. Ku. B.B.Kapoor
8. Ku. Alka Pande



Contributory Lecturers in Home Science :-

1. Ku. A.A.Deole
2. Smt. M.M.Pendharkar
3. Smt. S.S.Sainis
4. Smt. Memuna Haq
5. Smt. A.K.Deopujari
6. Smt.G.A.Shrikhande

Contributory Lecturers in Maths :-

1. Smt. A.Y.Kale
2. Ku. L.K.Chakunde
3. Ku. K.B.Sahu

Contributory Lecturers in Electronics :-

1. Shri. A.A.Upasane
2. Shri. N.D.Meshram
3. Ku. R.R.Palorkar

Contributory Lecturers in English :-

1. Shri. S.G.Muley
2. Smt. P.P.Gade

Contributory Lecturer in Hindi :-

1. Shri. R.R.Pashine

Contributory Lecturer in Sanskrit :-

1. Ku. V.V.Kaskhedikar

**20: Teaching, Nonteaching Staff Ratio:**

Month	Teaching staff	Non Teaching Staff
April 2004 to June 2004	43	63
July 2004	41	63
August 2004 to Feb 2005	40	63
March 2005	40	62

21: Improvement in the Library Services:

The library plays an important role in overall learning process. The college library has over 13000 books which includes 535 reference books and 34 CDs. The library receives 30 magazines /Journals and 9 News Papers for the reading room.

Following facilities were introduced from the year:

- Direct access to the library: Students can go to the stack room directly, collect the required book from the rack and can get them issued at the counter.
- On line public access catalogue: One computer terminal is provided for users to access the data base, to know book status (whether available in the library or issued to some one). Students can search the books by author, title and class number classification.
- Book Bank Scheme: Complete set of text books is issued on merit basis to all regular students as per book bank scheme rules. Students would be able to use the books for one complete session.
- Deposit Scheme: 12th and B.Sc. final students are issued text books during their summer examination period, with 100% cost deposit. Students can use books till their last theory paper is over.



- Departmental Library Scheme: To facilitate quick access for respective subject books, departments are issued most frequently required books. Students can get the books also from the departmental library. Obviously these books are available for reference to the teaching staff of the department.
- Library Notice Board: It displays following information: (a) Important news clippings from various news papers. (b) Information about various scholarships, conferences and important future events. (c) New books purchased in the library. (d) New books approved by Board of studies of various subjects being taught in the college.
- Library Quality Circle: Started to improve overall functioning of the library. Its members meet once in every month to discuss and solve day today problems in the library. It also takes efforts to make library more user friendly and popular among students. It has conducted following activities this year.
- Janmadin Shubheschha Prakalpa: Library Quality Circle presents a special laminated greeting card with photograph of a member person on his/her birth day

Guest Lectures organized by Library Deptt.

- A lecture on ‘Mental Stress: Causes and Remedies’ by Prof. Hariprasad Mandhawa of YCCE, Nagpur.
- A lecture on ‘Science In Ancient India ‘ by Shridhar Gadge, VRCE, Nagpur.
- Group discussion on the topic “Vachal Tar Vachal “ for students of the college.



22: Number of new books / journals subscribed and their value:

Total no. of new books purchased 487 at the cost of Rs.1,95568 /-

23: Number of courses for which students assessment of teachers is introduced and the action taken on students feedback

In the academic year 2004-05, two modes of student feedback were obtained:

1. Self appraisal by individual teachers and
2. Student feedback through questionnaire executed at the college level by IQAC.

Students expressed their views on the performance of teachers, curriculum, teaching-learning process, infrastructure facilities and general ambience in the college. Their views were analyzed in an objective manner. The Principal instructed the Heads of Departments and Co-ordinators to take suitable measures for quality enhancement.

24: Unit cost of education: Rs. 24958/-

25: Computerization of administration and the process of admissions, examination result, issue of certificates

- Students are issued computer generated admission fee receipts.
- Monthly salary bills of teaching and non-teaching staff members are prepared by computer.
- Annual Budget is prepared with computer.
- All accounts are prepared with computer.
- Communication is done with letters generated on computers. .

26: Increase in the infrastructural facilities: nil

**27: Technology upgradation :**

- Computer Machines and soft wares are purchased as per requirement in administrative work, library and different departments.

28: Computer and internet access and training to teachers and students:

- With UGC grant of Rs. 1,45,000/- for Network Resource Centre, computers, printers and required soft wares were purchased and the centre started functioning in April 2004. The students and staff members were benefited by the facility.

29: Financial aid to Students:

The financial aid to the students is made available through various scholarships & concessions. There are two major Government scholarships & an open merit scholarship. Concessions such as EBC & PTC in fees are also made available to the students. NCERT, Scholarship for physically handicapped etc are also available.

GOI SCHOLARSHIP

Sr.No.	Cast	Number of Student	Amount
1.	OBC	126	3,19,430/-
2.	SC	84	2,40,090/-
3.	NT	16	31,970/-
4.	SBC	Nil	Nil
5.	ST	12	37,975/-

**CHHTRAPATI SAHU MAHARAJA SCHOLARSHIP**

Sr.No.	Cast	Number of Student	Amount
1.	SC	52	1,56,000/-
2.	NT	06	18,000/-
3.	SBC	01	3,000/-

OPEN MERIT SCHOLARSHIP

Number of Student	Amount
17	12,640/-

OTHER SCHOLARSHIPS**NATIONAL MERIT SCHOLARSHIP (NCERT)**

Number of Student	Amount
02	4,700/-

30: Activities and Support from Alumni Association:

- With active support from the alumni association. Grand Science Exhibition 'Wings of Science ' was organized
- Prizes in various categories were sponsored by the association.
- Association also organized programs for students.

31: Activities and support from parent teacher association:

College teachers interact with parents during annual social events and prize distribution programmes. They discuss issues related to their academic, co-curricular and psychological development.



32: Health Services:

For medical check-up of students the institution has appointed Dr. Avinash Deshmukh and Dr. S.S.Bhelekar from NRPL, Nagpur. Our college provides first-aid services to the students and staff members in case any health problem arises in the college premises.

33: Performance in Sports Activities:

This year the college teams participated in 22 Inter collegiate competitions held in Volleyball (Men / Women), Khokho, Cricket, Basketball, Kabaddi, Chess (Men / Women), Athletics (Men / women), Table Tennis (Men / Women), Swimming, Yog (Men / Women) and Badminton (Men / Women).

The women Table – Tennis team played semi-final in above tournament and our boxer also exhibited his performance in semi-final while most of other teams played more than 2 rounds.

Performance in Sports activities:-

- (1) Ku. Chaitali Deo represented Nagpur University for consecutive three years in table tennis at all India inter-university compitions she was adjudged **best sports woman** of the year 2004-05.
- (2) Ku. Shweta Pandit represented Nagpur University women badminton team at Nanded.
- (3) Ku. Ruchi Dixit represented Nagpur University women team in basketball iin inter-university tornament held at Gujrat and Nanded.
- (4) Mr. Rishi Pinge represented Nagpur University mens team in inter-university Basketball tornament at Kolhapur at Nandad.
- (5) Mr. Pawan Diware participated in inter- university kho-kho tornamen at Nandad.

Department conducted 1) Inter Collegiate Invitation Basketball Tournament for men and women from December 21 to 23, 2004 and 2) “Quiz



on Olympic games” from 15th to 17th December, 2004 which was 1st of its kind

Cultural program entitled “Mile sur mera Tumara” consisting of 31 students was organized and presented with grand success on Krida Din on January 9th 2005 which was directed by Prof. D.M. Welukar. Although 80% of the participants had never performed on stage, gave best performance in this program.

34: Incentives to outstanding sports person.

- Outstanding sportsperson get weightage during the course of admission as per university rules.
- Players are provided sports kits, scholarships.
- Incentives by the department of Physical Education.

35: Students achievements and awards:

As the college has Junior and senior levels, students Achievements and awards were as follows.

Junior College:-

Merit list (Bifocal)

Merit No.	Name of student
5 th	Mr.Tushar P. Uttarwar
10 th	Mr.Nikhil V. Bagde
14 th	Mr.Tarang S. Baxi
16 th	Mr.Ameya A.Apte
16 th	Mr. Tejas S. Bhambhurkar
16 th	Mr. Ameya G. Deo
17 th	Ms. Vishakha V. Pandharipande

General Science :Mr.Ashok Pathak stood 13th Merit



Vocational Department –

- 1) Mr.N.C. Rehpade – Topperin Electronics
- 2) Mr. Gyanesh Mishra – Topper in Electrical maintenance
- 3) Ku.Diksha B. Pagare – Topper in Inland Fisheries

Senior College

Memorial Prizes

- 1) Mr Mayur Saraf (B.Sc III), Maximum marks in Maths (B.Sc Final Exam). And topped the college.

Awarded : -

Prof. Vishwas Lapalkar prize

Late Milind Kubde Memorial Prize

Late Mr R.J. Kolhekar Memorial Prize

Late Mr. Gunwant L. Chati Memorial Prize

Late Mr Bapurao & Smt Saraswatibai Vaidhya Memorial Prize.

- 2) Neha Shukla (B.Sc Home Sci. III), Maximum mark in Final Exam.

Late Smt Kamalabai Deshpande Prize

Late Smt Indirabai Kanhere Memorial Prize

Khare Memorial Prize.

- 3) Ms. Vaishali Chokhandre B.Sc H.Sc III, Late Mr Bapurao & Smt Saraswatibai Vaidya

- 4) Ms. Ruchira Munje B.Sc III (CBM), Dr.Palsokar Prize, Maximum Marks in Chemistry.

- 5) Mr. Punit Kakde B.Sc III, Dr.Palsokar Prize, Maximum Marks in Chemistry.

- 6) Ms Jyutika Mankar B.Sc I, (CZM) Late Milind Kubde Memorial Prize, Maximum Marks in 1st Year B.Sc.

- 7) Mr. Pritam Dey B.Sc II, (CBM) Late Milind Kubde Memorial Prize, Maximum Marks in B.ScII.



- Shri.Mandar Shashtri and Shri.Rohan Namjoshi B.Sc.I (CZM) participated in Intercollegiate quiz on life science organized by L.A.D college Nagpur and won running shield.
- Shir.Milind Chaoudhari, Ku.Deepali Karwande, Shri Ambrish Huddar and Mohit Pandit of B.Sc.III and B.Sc. first year of (CBM) group won second prize in senior college category for their model “Bioreactor-Ethyl Alcohol Fermenter” in an Inter collegiate event wings of science Exhibition.
- Miss Spruha Deshpande B.Sc.II (CZM) won “Japan Young Bravery Award” for saving a Japanese girl.
- S.R.Wankhende, I.R.Mehendiratta, A.S.Sabal of B.Sc. final Industrial Chemistry won first prize for their model “Analysis and Treatment of Water” in wings of science exhibitions.
- Ku.Rashmi Nakade of B.Sc.I (CBM) won first prize of Rs.2001/- in Intercollegiate Elocution competitions organized on 29th Dec. 2004 by the college . The topic was - census according to Religion, – Population imbalance, – National Unity & Integrity.
- Debate competition on “uniform civil code is compulsory for maintenance of National unity and integrity” was organized by college on 30th Dec 2004. Students of VNIT won the running shield.
- Capt.Dinesh R.Tembhare and Capt. Deodatta S.Somani got second prize for Drill competitions in TSC held at Hyderabad House, New Delhi.
- Ku.Isha Mehendiratta of B.Sc.III got first prize in Essay competition held at Dhanvate National College, Nagpur.
- Shri Chetan Oskar (B.Sc I), won 2nd prize in Quiz competition organized by Krida Bharti Chhatrapati Yuvak Krida mandal.



- Shri Krupal Panchbuddhe (B.Sc I), Shri Padhmanabhan Pilley(B.Sc I), Shri Piyush Luttawar(B.Sc I), got second prize in Quiz Competition organized by Yeshwantrao Chauhan Mukta Vidhyapeeth.
- Shri Krupal Panchbuddhe and Shri Padhmanabhan Pilley(B.Sc I). won Bronze medal in Quiz competition, Aarohi 2005 organised by VNIT,
- Swati Kumari won 3rd prize in Poster Competition organized by Hislop School of Bio-Technology.
- Mr. Rohan Nanjoshi (B.Sc I), won consolation prize in Debate competition organized by LAD College.

NCC :-

- **Chief Minister's Scholarship:** NCC Cadet SUO **Vaibhav Sahastrabudhe** B.Sc.III (ICME) was awarded chief ministers scholarship. He was also judged as a best NCC cadet in the NCC unit.
- Senior under officer **Deepali karvande** of 3 MAH Girls Battlion,NCC Nagpur was selected to attend SSB screening camp organized by Womens officers training Academy Gwalior, from 31st Jan to 5th Feb 2005.
- On the occasion of NCC Day Celebration 10 NCC girls cadets from our college actively participated in "Armed Battle Drill." Usually it is performed with the boys. The names of girls cadets were 1) **Sgt. Ashashree Nathile** 2) **Swati Talkhande** 3)**Vidya Ambekar** 4) **Krutika Parate** 5) **Mamta Bhoyar** 6). **Ashlesha Dubey** 7) **Priyanka Jain** 8) **Swati Gawhale** 9) **Amruta Pimle** 10) **Yasvini Godlinge**. This " Battle Drill" was awarded **first** prize in the competition.
- **The Sainik Camp (TSC) :** **Dinesh R. Tembhre and Deodatta S. Sowani** got second prize for drill competition in TSC held at Hyderabad House.



Arms and Armament Stall : 5 Air craft models, 8 Naval Ship models and 5 types of gun (Drill practice gun) were displayed in the “Wings of Science” exhibition which was a part of platinum Jubilee Celebration of Dharampeth Education Society. NCC Cadets from Air, Naval and Army wings actively participated and briefed the models in detail.

36. : Women Cell:

- The women cell was inaugurated on 26th August 2004 at the hands of Dr. Mrs N.P. Varadpande renowned academician and social worker, she delivered a lecture on **empowerment of women**.
- On **Savitribai Fule Jayanti** (3rd Jan 2005). A Craft Exhibition was organized by women cell in which items & exhibits prepared by staff members & students were displayed.
- Women cell provides personal guidance to girl students especially regarding adolescent problems and many other problems.
- A seminar on self grooming was organized by the cell in cooperation with **Bellezza India Ltd**.
- A seminar on safe handling of kitchen ware & electric appliances to avoid hazards in the kitchen by M S Chandak & Sons Nagpur on 20th Oct. 2004.

37. Placement services provided to the students :

- Frankfinn India Limited organized a seminar on the Job Opportunities in civil Aviation industry in July 2004.
- Wipro India. peripherals Ltd. Bangalore conducted campus interviews in the college on 12th Feb. 2005 and selected following students of B.Sc.III for placement.
 - I) Ku.Shital Pawar
 - II) Shri.Sanmukh Wankhede



III) Shri.Nikhilesh Mahajan

IV) Ku.Rashmi Karkhanis

38. Development Program for Non-teaching staff:

- A computer training program of 6 weeks was organized for non-teaching staff members of the college to get them acquainted with the Microsoft Office package.

39: Healthy Practices

To maintain the student's interest in the subject our institute organizes various academic activities and competitions & also prepare the students to participate in them.

The students of department of Microbiology through Micro desk activities. displayed information on the current topics like biotransformation, transgenic plant, transgenic animal, cloning technology, tissue engineering technology & nanotechnology every week.

This activity helped the students to update their scientific knowledge.

Seminars on various topics such as Biopesticides, Biopolymers, Hybridoma technology, Protoplast fusion Tissue culture, PCR & its application, gene therapy etc. were delivered by B.Sc III students. About 50 students participated in this activity.

This activity helped students to improve their presentation & communication skills.

To face the cut throat competition students should be exposed to modern methodologies and techniques used in R and D. To fulfill this requirement visits & tours to recognized research institutes & laboratories were arranged. The following visits were arranged.



- Visit to individual /research organization like Indira Gandhi Rugnalaya on 19 & 20th Oct, 2004 for demonstration of ELISA test which is used for screening of AIDS patient.
- An educational tour was organized for the students of microbiology to pune & mahabaleshwar Where they visited :-
 - 1) **National chemical laboratory Pune** on 25th Sept, 2004 students visited Science Exhibition which covered themes like, biopolymers, tissue culture, horticulture, botanical garden, membrane science, drugs delivery DNA finger printing etc.
 - 2) **Visit to MAPRO Institute Mahabaleshwar** on 28th Sept, 2004 where students received information on upstream & down stream processes related to industrial microbiology in the production of juices.
 - 3) **Visit to Agarkar research institute** 29th Sept, 2004 where students got information regarding recent research work going on in biotechnology, microbiology and paleo botany.
 - 4) **Serum Institute of India, Pune :-** Various Vaccines are produced & exported to 138 countries.

*** VISIT TO CIPL :- by Department of Industrial Chemistry**

Students of B.sc II & III year with faculty members Visited CIPL (Central India Polyster Limited) Mr. B. Basu General Manager (CTS) provided excellent guidance for various processes encountered right from production to packaging of POY (Poly Oriented Yarn).

*** Visit to Khaparkheda Plant :-**

On 19th Jan, 2005 B.Sc I students with faculty members visited water treatment plant of thermal power station khaparkheda. The students were guided by Mr Padmakar Mule senior chemist.



Home Science :-

B.Sc &H.Sc II students visited surya garden on 10th Feb, 2005 to observe landscape installation.

*** Nature Club :- Department of Botany**

Nature study club members of botany department visited Kanhadevi Lake in parseoni tahesil of Nagpur District. The discussion on biodiversity & different ecosystem were held at the site. The aim was to create environmental awareness & strong desire to protect nature through sustained efforts.

STAT - STORM

This year the “STATSTORM” was organized in collaboration with Statistics Society of our college on 25.12.2004 in Vinayakrao Phatak Hall, The quiz was very well attended by the students teacher in statistics and office bearers of NSA. The quiz proved to be an interesting way to maximize learning statistics.

Electronics Association

Electronics association was installed on 3rd Sept. 2004. Dr. Uday Gadkari, Principal, Priyadarshni Engineering College, Nagpur was the chief guest of the function. He spoke on personality development.

The association arranged a picnic on 23rd Jan. 2005 to pench reserved forest and surrounding places.

Warm farewell was accorded to final B.Sc. Students of electronics by their junior on 2nd March 2005.

Farewell functions of retiring staff members

In recognition of the contribution made by our teaching and non teaching staff members who are retiring, Staff members honors them through farewell functions.



This year following retiring staff members were felicitated

Prof. A.A.Sakle officiating principal

Prof. Dr.S.S.Shiledar

Dr.V.G.Joshi

Prof.Mrs.D.D.Karkare

Dr.A.C.Agnihotri

Shri C.A.Farkade

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

STUDENT'S COUNCIL ACTIVITIES:

Students Council Activities of the year was packed with multi-pronged activities

Student's Council of the college for the academic year 2004-05 was constituted as per Maharashtra University Act, 1994. The students from general Science faculty and Home Science faculty were selected as members of student's council. These members are also called as "Student's Representative" for the year 2004-05. The councils were formed with the following members:

ACADEMICS:

- | | |
|--------------------|--------------------|
| • Mr.M.G shastri | B.Sc. I (CZM) |
| • Ms.J.P Mankar | B.Sc. II (CZM) |
| • Mr.P.Dey | B.Sc. III (CBM) |
| • Ms.S.petpulliwar | B.Sc. I (H. Sci) |
| • Ms.K.Yadav | B.Sc. II (H. Sci) |
| • Ms.G.Ghatate | B.Sc. III (H. Sci) |

N.S.S.:

- | | |
|--------------|----------------|
| • Mr.P.K Jha | B.Sc. II (PME) |
|--------------|----------------|



SPORTS:

- R.Sunder B.Sc. III (CBM)

N.C.C.:

- Mr.M.K Chaudhary B.Sc. III (CBM)

CULTURAL ACTIVITY:

- Ms.P.C.Tukar B.Sc. III (H.sci)

LADIES REPRESENTATIVE:

- Ms.A.Dhake B.Sc. III (CBM)
- Ms.R.Dixit B.Sc. II (CBM)

Programme organized by the Student's Council:

Independence Day: This year the flag hoisting was done at the hands of newly appointed Principal of the college **Dr.V.R Pasarkar**. On this day NCC students to oath from the principal.

Teacher's Day: Teachers Day was celebrated on 5th September 2004 Teachers were felicitated by the students also students spoke on Dr. Sarwapalli Radhakrishnan's life and works.

Swami Vivekananda Day: Intercollegiate debate, drawing competition Patriotic song recitation and monoacting competitions were organized. Winner of various competitions were awarded.

- YCMOU organized a quiz competition for college students, in this Mr.K.Punchbudhe, Mr.P.Pillay and Mr.P.Lotawar (Bsc.I) won second position.
- At district level debate competition Ms. S.Deshpande of Bsc.II(CBM) won consolation prize, the topic of the debate was "selfemployment" .

Sanskrit Day and World Population Day were also organized by teachers and members of students council.



Republic Day Celebration

On this day college felicitates winners, Meritorius students and staff members for there achievements

On the college camps following facilities are available

Bank of Maharastra extension counter

Dharampeth Employees credit cooperative society

YCMOU study center for Engineering courses.

Dharampeth Education Society (DES):

This year DES completed 75 years of its fruitful existence. As a part of Platinum Jubilee Celebration College organized plethora of activities. Our management is very cooperative. Dharampeth Education Society always encourages the staff and students to implement new ideas. Workshops, seminars, conferences and guest lectures are regularly conducted in the college as well as in the other institutes run by our society.



Part-C :

Plans of the Institution of the next year 2005 – 2006 :

- To organize seminars / workshops for students which would directly benefit them in better understanding of the subjects and also in their personality development.
- To organize activities for staff members which would encourage them in research activities.

To arrange some programs with which society will be benefited.