

**ANNUAL QUALITY
ASSURANCE REPORT (AQAR)
FOR NAAC**

OF

*S.S. & L.S. Patkar College of Arts & Science
and
V.P. Varde College of Commerce & Economics
Mumbai, Maharashtra*

2004 - 2005

PART – A

Plan of Action chalked out by IQAC for the year 2004-2005.

- ❖ *Marathi Department organised State Level Workshop for revised syllabus of S.Y.B.A. on 18th & 19th August 2004. 52 teachers from various colleges of University of Mumbai attended the Workshop. Eminent teachers Dr. Sadanand More, Dr. Ramesh Kubal, Prof. Arun Kamble, Dr. Vasant Patankar, Dr. Pushpalata Rajapure Tapas were the speakers for the Workshop.*

PART – B

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

The college has very active N.S.S. and N.C.C. units which carry on various activities that reflect the goals of the institution; the details of which are mentioned in the following report.

The various associations and sports too fulfill academic and extra-curricular goals of the institution. The college aims at the overall development of the students' personality by encouraging them to participate in various extra-curricular activities. Incentives in the form of scholarships and freeships are given to the students.

The teaching and the non-teaching staff are also motivated to participate in various seminars, conferences and academic discussions. They have to fill the Self-Appraisal Forms at the end of the academic year. These along with the feedback forms collected from the students help the teachers to analyse themselves and work towards their betterment.

2. New academic programmes initiated (UG & PG) :

M.Sc. (Information Technology)- University of Mumbai

M.Sc. (Computer Science) - University of Mumbai

3. Innovations in curricular design and transaction :

Following teachers are members of University Syllabus Committee.

<i>Name of the Staff Member</i>	<i>Member of Syllabus Committee</i>
<i>Dr. (Mrs.) Sandhya Parvate</i>	<i>Member Board of Studies, Faculty of Arts & Syllabus Committee for B.A., M.A. & M.Phil.</i>

4. Inter-disciplinary programmes started : *NIL*

5. Examination reforms implemented :

Examinations were conducted regularly and the University rules regarding examinations were strictly followed.

6. Number of candidates qualified. NET/SET :

NIL

7. Total number of seminars/workshops conducted :

<i>Name of the Teacher</i>	<i>Department</i>	<i>Refresher/Orientation Course Attended</i>
<i>Mrs. Deepti Mujumdar</i>	<i>English</i>	<i>Orientation Course by UGC Academic Staff College (17.1.2005 & 15.2.2005)</i>
<i>MR. K. Sriram</i>	<i>Economics</i>	<i>Refresher Course in Micro Economics January 2005</i>
<i>Mr. H. U. Rao</i>	<i>Physics</i>	<i>Refresher Course in Material Science S. P. University (1.12.2004 to 21.12.2004)</i>
<i>Mr. G. S. Shetty</i>	<i>Physics</i>	<i>Refresher Course on Material Science Physics 30.11.2005 to 20.12.2005 S. P. University</i>
<i>Mrs. Seema Rangari</i>	<i>Library</i>	<i>Orientation Programme (4.10.2004 to 2.11.2004)</i>

8. Research Projects :

- a) *Newly implemented research projects – 04*
- b) *Completed research projects. – NIL*

i) Dept. of Physics :-

Title of project : *Plasma Polymerization of Acrylonitrile*

Name of faculty : *Dr. M. S. Nadkarni*

Sanctioned by : *UGC*

Grant received : *Rs. 63,000/-*

Status : *Project is completed.*

ii) Dept. of Physics :-

Title of project : *Automation in measurement of control by PC.*

Name of faculty : *Mr. H. U. Rao*

Sanctioned by : *University of Mumbai*

Grant received : *Rs. 35,000/-*

Status : *Project is completed.*

iii) Dept. of Chemistry :-

Title of project : Photodegradation of Fenvalarate a synthetic pyrethroid pesticide from synthetic ground water sample on newly prepared nanosized TiO₂

Name of faculty : Dr. Ramesh Yamgar

Sanctioned by : University of Mumbai

Grant received : Rs. 15,000/-

Status : Project is completed.

9. Patents generated, if any :

NIL

10. New Collaborative Research Programmes :

NIL

11. Total research grants received from various agencies :

- a) Rs. 63,000/- sanctioned by UGC to Dr. M. S. Nadkarni, Dept. of Physics.
- b) Rs. 35,000/- sanctioned by University of Mumbai to Mr. H. U. Rao, Dept. of Physics.
- c) Rs. 15,000/- sanctioned by University of Mumbai to Dr. R. S. Yamgar, Dept. of Chemistry.

Total Grant Received Rs. 1,13,000/-

12. Number of Research Scholars :

Dept. of Physics :-

- 1) 01 for M.Sc. by research guided by Dr. N. G. Durge.
- 2) 02 for M.Sc. by research guided by Dr. M. S. Nadkarni.

Dept. of Chemistry :- 10 students doing M.Sc. by research.

- ❖ 01 student under the guidance of Dr. A. G. Gadre.
- ❖ 03 students under the guidance of Dr. R. S. Yamgar.
- ❖ 07 students doing Ph.D. under the guidance of Principal Dr. U. C. Mashelkar.

One student was awarded Ph.D. Degree in Chemistry under the guidance of Dr. U. C. Mashelkar.

i) Shri. Bezwada Dinesh

13. Citation index of faculty members and impact factor :

NIL

14. Honors/Awards to the faculty :

- ❖ Dr. Uday C. Mashelkar appointed as Executive Members of Mumbai University College Principal Association in February 2005.
- ❖ Dr. Uday C. Mashelkar appointed as a Members of Governing Body of C. C. Shroff Research Centre (Excell Industry), Goregaon (West).
- ❖ Smt. Prabha Desai appointed as a consultant to the State Govt. in Community Polytechnic, CAP-Centre for AIDS Prevention Studies, Sion Hospital, Mumbai.
- ❖ Dr. S. Gopinadhan, Head, Dept. of Commerce awarded Ph.D. in Commerce by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad November 2004.

15. Internal resources generated :

Resources are generated by

- i) conducting Jewellery Designing Course under Chikitsak Samuha's Institute of Career Options.*
- ii) Renting classrooms for 'Phalashruti' test sessions for X and XII students.*
- iii) Conducting examinations for other institutions like Banks, Railways, Institute of Chartered Accountants.*

16. Details of departments getting SAP, COSIST/DST.FIST, etc. assistance/recognition :

NIL

17. Community Services :

N.S.S. :-

- i) Blood Donation Camp was organized on 30th July 2004 in association with KEM Hospital.*
- ii) Exhibition and sale of Rakhis and Gift articles prepared by V. D. Highschool, Malad & mentally challenged students of "PUNARVAS", an Institute in Goregaon (W) was organised by 24th August 2004.*
- iii) Flag Selling was organised by NSS Unit on 10th August 2004 to help the physically challenged students.*
- iv) Aids awareness rally was organised in collaboration with FXB on 31st August 2004.*
- v) Cancer Awareness Programme in collaboration with KEM Hospital was organised on 25th November 2004.*

- vi) *Leadership Training Camp was organised by Vidyarthi Bhavan, University of Mumbai participated by 2 students on 27th August to 28th August 2004.*
- vii) *Antidowry Awareness Seminar was organised by Mama Kulkarni, a well-known social worker.*
- viii) *NSS students participated in organizing Annual Sports event in the College on 1st December 2004.*
- ix) *NSS students arranged various entertainment programmes for teachers and students on Teacher Day on 5th September 2004.*

N.C.C. :-

- i) *Jai Hind Library with various books to help the NCC cadets to appear for various Govt. examinations like UPSC, MPSC was started.*
- ii) *Major Gen. Dr. Vinod Karnik gave a talk to NCC cadets on “The Romance of Soldigering”*
- iii) *N.C.C. cadets helped the Mumbai police in controlling the general public and traffic situation in Mumbai during Ganpati Visarjan and Navratri Utsav.*

YOGA CLASSES :-

Free Yoga Classes are conducted every Sunday by “Shri. Ambika Yoga Kutir” under the supervision of Dr. A. G. Gadre, Vice-Principal (Science) for Students and Staff of our college as well as community members.

18. Number of teachers and officers newly recruited :

<i>Non-teaching staff</i>	-	04		
<i>Teaching staff</i>	-	02		
<i>Lecture Basis</i>	-	M	F	T
		05	11	16
<i>Probation</i>	-	M	F	T
		01	01	02
<i>Two Year Contract</i>	-	M	F	T
		--	--	--
<i>One Year Contract</i>	-	M	F	T
		--	--	--
<i>One Year Contract (Leave Vacancy)</i>	-	M	F	T
		--	--	--

19. Teaching – Non-teaching Staff Ratio :

71 : 73

(including CHB appointments)

20. Improvements in Library Services :

- ❖ *Addition of books on various career, competitive books and journals.*
- ❖ *Book Bank Service continued for the needy students. (1517 books distributed, 722 books purchased)*
- ❖ *Open access to PG students.*
- ❖ *Assistance on various project reports.*
- ❖ *Active reference service.*
- ❖ *Separate reading room facility with toilet for girl students.*

21. Number of New Books/Journals subscribed and their value :

❖ *Total number of books purchased.*

Degree College :- 810

Junior College :- 81

❖ *Total number of Journals/Magazines purchased : 37*

22. Number of courses for which student assessment of teacher is introduced and the action taken on student feedback :

All students are required to fill up feedback forms that assess teachers. In case of a negative feedback, the Principal personally speaks to the concerned teacher.

23. Unit cost of education :

Total expenses divided by the total number of students.

Total Salary Expenses : Rs. 2,23,46,388.00

Total Non-Salary Expenses : Rs. 30,29,473.00

Total Miscellaneous Expenses : Rs. 1,23,027.00

Total number of students : 2196

Therefore, the Unit Cost of education : Rs. 12,066.00

24. Computerization of administration and the process of admissions and examination results issue of certificates :

The results of all the students are computerized.

E-office software is purchased from Gamma Software. The following modules are included in the software.

- 1) *Admission Process*
- 2) *Result Generator*
- 3) *Attendance Module*
- 4) *Time-table Generator*
- 5) *Stock Register*

The customization of the software is in process.

25. *Increase in the infrastructural facilities :*

Electronic Laboratories for B.Sc. (I.T.) and B.Sc. (Computer Science) on first floor, Science Building.

26. *Technology up gradation :*

❖ ***Purchase of DLP Projector: :***

The new DLP Projector is purchased. The projector is used in classrooms for lectures, seminars and presentations.

❖ ***Upgradation of computers :***

The computers in Lab 2 are updated. The RAM is upgraded from 128 MB to 256 MB and HDD from 15 GB to 40 GB.

❖ ***Annual Maintenance Contract :***

All computers and printers in the College are maintained by Compex.

27. Computer and Internet Access and training to teachers and students :

Sr. No.	Department	No. of Computers	No. of Printers	UPS/ Stabilizer & Hub
1	Office	8	5	Hub = 1
2	Library	4	2	Hub = 1
3	Chemistry	1	1	
4	Physics	5	1	
5	Botany-Zoology	1	1	
6	Lab. no. 1	13	1	Hub = 2
7	Lab. no. 2	17	2	Hub=3, UPS=2
8	Lab. no. 3	16	1	Hub = 2, Stab.=1
9	NAC Office	2	2	UPS=1
10	NAC Library	4	2	
	TOTAL	71	18	Hub=9, UPS=3, Stab.=1

28. Financial Aid to students :

Students Welfare Fund is set up by Patkar-Varde College to extend financial aid to economically backward students.

The fund is raised by approaching donors directly.

Students are encouraged to pay full fees, in installments if necessary, and their applications are forwarded to the Association of Non-Government Colleges (ANGC), which after due scrutiny, may reimburse the amount in part or full.

Students who are absolutely unable to pay their fees are required to submit documentary evidence of their financial status and their fees are paid by the SWF.

29. Activities and support from the Alumni Association :

The Alumni Association always stands as a support in the various activities that the college undertakes. Members of the association who are associated with the media ensure a good media coverage for the college. Financial support is also not lacking.

30. Activities and support from the Parent-Teacher Association :

There is no formal Parent-Teachers' Association though teachers interact with the parents in their individual capacity regarding the problems of their wards.

31. Health Services :

During the blood donation drive by the N.S.S. unit, Thalessemia check up is also carried out. Donor cards with the check up report are handed to the concerned. Advice is also given on the follow up.

32. Performance in Sports Activities :

❖ **Devraj Raut**

- *Selected to represent Mumbai for "Vinod Mankad Cricket Tournament" (Under 19) played at Udaipur and for West Zone (U/19) for Cooch Bihar Karandak, Zonal Tournaments.*

❖ **Anupama Patil**

- *All India University Atheletic Meet at Vijaywada, 1500 m and 800 m running.*
- *Road race organised by Wilson College. Secured first prize of Rs. 15000/- cash prize.*
- *National Athletic Meet at math 1500 m and 800 m running.*
- *All India University Cross Country Meet at Gulburga, Karnataka.*

❖ **Trupti Dudwadkar**

- *Represented State in Karate National Competition (Black Belt)*

❖ **Adarsh Shetty**

- *Represented Mumbai University in all India University Boxing Competition.*

❖ **Sachin Jalgaonkar**

- *Won the first prize in the State Level “Karate Tournament” organised by Pragati Krida Mandal, Nagpur, Maharashtra.*

33. Incentives to outstanding sportspersons :

Our College Gymkhana provide Sports Uniforms, Sports Kits, equipments and professional coaches for games like Cricket, Kabbadi, Kho-Kho, Athletics, Boxing, Judo, Table Tennis, Carrom, Archery etc.

Medals, certificates and trophies are also given to the winners at the Annual Prize Distribution Programme. The winners at State or National Level Tournament are provided with Track Suits.

34. Students’ Achievements and Awards :

ACADEMICS –

- i) *Ms. Richa Kumar – 1st Rank holder in the M.Sc. (Botany) Part - I examination held in March 2004.*
- ii) *Ms. Bhakti Rane – 1st Rank holder in the B.Sc. (Botany) examination held in March 2004.*
- iii) *Ms. Suvarna Lotekar – 3rd Rank holder in the B.Sc. (Botany) examination held in March 2004.*

CULTURAL –

- i) **Mr. Nakash Aziz** – Reached finals of “Hero Honda Sa Re Ga Ma Pa Competition”
- ii) **Ms. Bhairavi Kabre** – Won 1st prize for Best Actress in intercollegiate competitions organised by “Adwait”, “Mrugjal” and “Bhartiya Vidya Bhavan”.
2nd Prize in One Act Play State Level Competition.
- iii) **Mr. Zeeshan Khan and Mr. Nakash Aziz** won Zonal Level Classical Singing & Light Vocal of Youth Festival organized by Mumbai University.
- iv) **Ms. Kanchan Indulkar and Mohasin Siddiqui** won Zonal Level Debating of Youth Festival organized by Mumbai University.

N. C. C. –

- i) A.N.O. Lt. Dr. Rahul Wagh successfully completed Army attachment camp held at Colaba in Mumbai from 10th Feb. 2005 to 24th Feb. 2005 alongwith of Cadets of our College.
- ii) Para Sailing Camp (Chinchni): This was held at Chinchni in Palghar Dist. Raigad, from 22nd May to 2nd June 2004. Cadet Mukesh Kamble, Cdt. Rajesh Shingare and Sgt. Mandar Patil attended the Camp.
- iii) Group Selection Camp: This is a very prestigious camp before going to Republic Day Parade Camp at Delhi. Our 2 cadets Kushal Kadam and Santosh Gawade were selected for this camp which was held at Uran.
- iv) NIC (Warangal): National Integration Camp was held at Andhra Pradesh (Warangal) from 21st November 2004 to 4th December 2004. Our Junior U/O. Vikas Koregaonkar, CQMS Rakesh Naykodi and Mukesh Kamble attended the camp. They won Runners up Trophy for Flag Area Competition in the Camp.

35. Counseling Cell :

Counseling services were provided to a large number of students in the current year. Maximum queries were related to career planning. Most of the queries were successfully dealt with.

The total number of students who approached for full-fledged psychotherapy were nine. They had deep seated personal problems. Several follow up sessions were conducted with each of these students.

All of those who were regular with their follow-up sessions are now very fine. Some cases shall continue in the next academic year.

36. Placement services provided to students :

Campus interviews were organized by Patni Consultancy Services (PCS), Mahindra British Telecomm, K10 Technologies for students of B.Sc. Computer Science and B.Sc. I.T.

2 students from B.Sc. IT. were selected for Mahindra British Telecomm Ltd. and 2 students were selected for Patni Consultancy Services.

37. Development programme for non-teaching staff :

Members of the non-teaching staff are encouraged to participate in various seminars and workshops for career advancement as well as take part in inter collegiate competitions for non-teaching staff members.

- ❖ *Ms. Meghana Jalgaonkar won 2nd Prize in Traditional Dress Competition at N. L. College.*
- ❖ *Ms. Meghana Jalgaonkar awarded M.Sc. (IT) degree in First Class by Karnataka State Open University in June 2003.*
- ❖ *Mrs. Sujata Mane awarded M.Sc. degree in First Class by IDE, University of Mumbai in April 2004.*

- ❖ *Ms. Meghana Jalgaonkar and Mrs. Sujata Mane attended State Level workshop on “Library Management, Office Automation and Retirement Benefits” at Tolani College, Andheri on 19th November 2004.*

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

- i) Patkar College started Chikitsak Samuha Patkar Varde College Credit Society which will help the teaching and non-teaching staff to get loan at lower interest.*
- iv) The Third Intercollegiate Festival of Patkar-Varde College – RAVES was celebrated in the month of December. Various whooping colleges participated.*
- v) The school-college complex is active with the objective of linking up the schools in the vicinity of the college. This year, demonstration session was conducted for Secondary School students in Chemistry, Physics, Botany and Zoology laboratory.*
- vi) Women’s Development Cell was constituted this year as per the policy of Mumbai University.*
- vii) 9th Devraj Gundecha 4-L Intercollegiate Elocution Competition (Junior College) was held in the college. 68 candidates from various colleges participated in the competition. First prize of Rs. 1001/- and trophy won by Mr. Prathamesh Soman, Ruia College, Second Prize Rs. 751/- won by Ms. D’Souza Victoria, SIES College, and consolation prizes of Rs. 551/- by Patwa Kushagra, Mithibai College and Ms. Pandey Neha, Saraf College.*
- viii) Dr. R. R. Ambardekar Lecture Series and Late Dr. (Smt.) Prabha Joshi Memorial Lecture Series saw two eminent speakers delivering lectures on interesting topics. The first has Mrs. Mangala Khadilkar speak on*

“Kathamanjiri. The second had Dr. A. G. Gadre speak on “Yog Ani Aarogya” .

ix) 23rd January is celebrated as Kothare Day in the memory of the first Principal of Patkar College Dr. A. N. Kothare. This year Dr. J. Rawal, President, Indian Planetary Society was the speaker of the Day.

x) FIESTA INC. 2004 the annual inter-collegiate management, sports and cultural festival was organized by the B.M.S. department that set a platform for budding prodigies from different B.M.S. colleges all over Mumbai, to exhibit their talent, desire to win and achieve the ultimate success.

xi) JOSH – Zeal to Excel, B.Sc. (I.T.) Department’s annual sports and technical festival was organized in the college.

xii) Various associations conducted their programmes that included guidance lectures, competitions like essay, elocution, quiz, poster-making, career counseling programmes etc.

Dr. Arun. D. Sawant, Alumni of Patkar College, who was appointed as Pro-Vice-Chancellor of Mumbai University was felicitated.

xiii) Distance Learning Programme : Mr. B. B. Suryawanshi

PART – C

Explain the plans of the institution for the next year.

Recommendations for 2005-2006

- 1) To organize National/State level Seminars/Conferences.*
- 2) Computerization of accession of books in the Library.*
- 3) Institute Best Teacher Award. 4) Guidance to students for U.P.S.C.*

(Dr. (Mrs.) Madhu K. Kapoor)
Co-ordinator, IQAC

(Dr. Uday C. Mashelkar)
Chairperson, IQAC