

The Annual Quality Assurance Report (AQAR) of IQAC.

Year of Report: 2005-06.

Name of the Institution: Konkan Education Society's
Anandibai Pradhan Science College,
Nagothane, Tal – Roha, Dist- Raigad
402106. Maharashtra – India
Website: <http://www.apcnagothaneedu.in>
Email ID: principalapsc@yahoo.com

PART - A: - The plan of action chalked by the IQAC in the beginning of the year towards quality sustenance measures and the outcome achieved by the end of the year.

The IQAC has decided to concentrate on the following points at the beginning of the year and plan the activities.

- i. To give an individual attention towards the students for their personality development.
- ii. Reforms in the examination system.
- iii. To Inculcate Research culture among the students and teachers.
- iv. To Improve the Library facilities of the college.
- v. Improvement in the Infrastructure and resources of the college.

In the view of achievement of these five points the following various activities have been planned and organized throughout the year.

A) Individual Attention for the Personality development of students:

Staff of the college is taking incessant efforts to impart the subject knowledge as per the syllabus of the various classes. Various curricular, co-curricular and extra curricular activities organized in the college are helpful to the students to show their hidden talent as well as the personality development.

Students are guided individually after conducting tests, tutorials and evaluation of the same. Apart from the activities like National Service Scheme, sports and cultural activities. Principal has introduced the following new activities in the college from this academic year.

- **Extension Activities** (Work experience project, where 200 Students were involved)
- **Science Association.**
- **Nature Club.**
- **Women's Development Cell.**
- **Career Guidance & Placement Cell.**
- **Extra Mural Studies centre.**

Our staff members have been rendering an individual guidance to the students participated in all such activities. Fewer number of students have shown the extraordinary performance in aforesaid activities.

One of our students Mr. Macchindra Kuthe who won the *bronze medal* in intercollegiate swimming competition Conducted by the University of Mumbai.

A group of five students of the college were selected from district level to zonal level selection trial under intercollegiate research festival. Students from undergraduate level have completed this research projects & Entitled as Ethanobotinacal study and "*Identification of Indigenous practices in Tribal Area.*"

Our N.S.S. Students had an opportunity to participate in various university level and state level special camps.

Lectures and seminars were organized in the college on career guidance and competitive examinations. Placement camps of various companies were also organized which gave the opportunity to the students to get the campus recruitment, no sooner did they finish their degree course. Our passout student are absorbed in the Local MIDC.

B) Reforms in the Examination System

As per the guidelines of the University, Examination of the college and University were conducted in a very systematic manner. Central Assessment System (CAS) has been adopted and the results were declared on targeted date i.e. on 1st May.

C) To inculcate the research culture among the students and teachers

As being a Science college, research is one of the paramount important aspects to upgrade the wisdom and apply the knowledge in the welfare of community adroitly.

Our undergraduate students have been assigned to work in research projects like.

- 1) *“Practical Networking”* – Mr. Omkar Patil
- 2) *“ Study of Growth Computer Literacy and its applications in offices”* – Mr. Moiz Nagothanewala
- 3) *“Ethnobotanical study and Identification of Indigenous practices in the Tribal area of Nagothane Tehsil”*-Miss. Satyabhama K.Pal.
- 4) *“Identification of Insecticidal Activities in the Local Plants”*
Miss. Reena Balkrishana Shelar.

Most of the teachers are involved in the research activity. One of our lecturers **Mr. S.D. Tupare** from chemistry Dept. worked on a minor research project sanctioned by the University of Mumbai.

Dr. S.S.Gurav, In-Charge Dept. of Physics and Vice-Principal has been awarded the Ph.D.in Physics.

Teachers have given an opportunity to participate in National, State and University level seminars, Symposia, Conference and workshops.

Five undergraduate students have participated in intercollegiate research festival organized by the University of Mumbai and get selected for the selection trial of Inter University Research Festival 'Avishkar'.

D) To improve the Library Facilities of the college –

Special efforts have been taken this year to improve the Library facilities of the college. Maximum budgetary provision has been utilized for the purchase of Library books.

Book - Bank scheme is also introduced in the college from this academic year. Students especially from Backward Class are availed the benefit.

E) Improvement in the Infrastructure and Resources of the college.

To afford the better teaching and necessary facilities to the students improvement in the infrastructure and resources of the college has been made.

An additional laboratory with computers with latest configurations and software has been developed to accommodate increasing number of students.

A LCD TV/Monitor is purchased for the computer laboratory which is very para helpful for the communication and a very effective teaching aid, Plan for extension to the building has been approved, and the new construction will provide a space of 2000 sqm. for use Library and Reading room, two laboratories will be developed in this area.

Our proposals to start new courses in M. Sc. (**Organic Chemistry**) and B.Sc. (**Botany**) has been accepted by the University and recommended to the Govt. of Maharashtra for permission.

College has been receiving staunch support and co-operation from the President and Secretary of the Society and the other Directors and Local Managing Committee.

PART – B

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

- a. Konkan Education Society's Vision is "*Education for All*" Stressing the need for Motivation, Skill-development, Innovativeness and Creativity.
- b. Our society's altruistic motive from primary to post-graduate mission are four important aspects are Inquiry, Creativity, Interpretation and Moral.
- c. Monitoring the students towards national development. Fostering global competencies, inculcating ethical values. Promoting use of latest technology. (ICT)

2. **New academic programmers initiated (UG and PG):**

P.G. Course in M.Sc. (by Research) In-organic Chemistry started in the academic year 2005-06 & one additional second year B.Sc. Information Technology in 2005 (Un-aided)

3. **Innovations in curricular design and transactions:**

The Curriculum is an instrument in the hands of the teachers as well as students. Our parent University is incessantly under took to revamp and refine the syllabus every 5 years. The post-syllabus beginning of the workshop augment the ICT to Supplement but not supplant it. In day today the lecture remains the most subjective to main vehicle for instruction and the periodic weekend test / tutorial and the term end test fulfils the secondary role. To achieve the subjectiveness, the teachers have methodically prepared and carefully structured effective way of transaction as follows.

1) Planning 2) Delivering 3) Revising 4) Keeping the students involved classroom management for all activities.

4. Inter disciplinary programme started:

- I. Computer Science Dept. continuously bring new software and orient non-computer science students.
- II. Information Technology teachers bring new skills to physics and chemistry students.
- III. Information Technology Dept. also takes care the Bio-Informatics Programs of Botany and Zoology students.
- IV. Botany Dept. have taken the medical plants and nature trail etc. and Identification of endangered flora in the vicinity.
- V. Zoology dept. revealed the conservation and natural history resources.
- VI. Teachers of Foundation course always emphasize bring creative examples from own experience to students.

5. Examinations reforms implemented:

University of Mumbai is one of the Universities headed by Indian Administrative personal in the country for the post of controller of exams. The reports of any recent committee is to be implement on the Quality of work in H.E. in the affiliated colleges. our college implements university of Mumbai decisions in *toto*. However, BOS of the independent subjects of regular and unaided sections certain suggestions are offered Chairman / chairpersons.

- 1) The merit of the students should be assessed at the term end in regular and unaided courses, so that the candidates progress is continuously monitored.
- 2) Faculty members should be oriented as per BOS and organize work shop for specific recommendation.
- 3) Objective Questions have been incorporated for accurate assessment.

6. **Candidates qualified NET/SET GATE etc:**
Nil

7. **Total no of workshops/seminars conducted Initiative towards faculty Development programme:**

Our 2(f) and 12(B) is under Consideration we are planning to have the workshop ensuing after the Western regional interface meeting of UGC.

Initiations towards faculty development programme.

Information of the Teachers who participated in Seminar / Workshop / Orientation / Refresher / Summer school in Academic Year 2005 – 2006.

Sr. No.	Name of the Staff member	Seminar/Conference/ Workshop/ Orientation / Refresher	Dates	Place and Name of the organization	Level
01	Dr. V.S.N.Raghavrao Head, Dept. of Zoology & Co-ordinator IQAC / NAAC	“Seminar on Environmental crisis and sustainable development”.	13 th Jan,2006	Veer Wajekar Arts, Science and Commerce College, Phunde,Uran.	University
		Seminar on “Strategic measures for quality enhancement in NAAC accredited Colleges”-	21 st and 22 nd Jan, 2006.	Padmashri Vikhe Patil college of Arts, Science and commerce, Pravaranagar, Loni.	National
02	Mr. Patil S.D.	i)Seminar on “ Strategic measures for quality enhancement in NAAC accredited colleges”.	21 st and 22 nd Jan, 2006	Padmashri Vikhe Patil college of Arts, Science and commerce, Pravaranagar, Loni.	National

Sr. No.	Name of the Staff member	Seminar/Conference/Workshop/ Orientation / Refresher	Dates	Place and Name of the organization	Level
03	Mr. Jadhavar V.R.	Refresher Course in Chemistry	3 rd Sept. 2005 to 23 rd Sept. 2005	Dr. Bahasaheb Ambedkar, Marathwada University, Aurangabad.	National
04	Mrs. Smita Choudhari	Refresher course in Chemical Science, at Amravati University	8 th Nov. 2005 to 28 th Nov. 2005	Sant Gadge Baba University, Amravati	National
05	Mrs. P.A.Chatup hale	Attended 1 st Refresher course in Comp. Sc.	5 th – 24 th Dec. 2005	Dr. B.A.M.U. Aurangabad, University Furguson college, Pune.	National
		Attended 2 days workshop on MATLAB	5 th & 6 th Jan. 2006		State
		One day workshop on T.Y.B.Sc. Computer Science paper pattern.	21 st Jan. 2006	Ratnam College Navi Mumbai	University
		One day workshop on T.Y.B.Sc. Practicals	14 th Jan. 2006	Kirti college, Dadar	University
		Paper Presentation at the state level seminar on network security & WLAN technology – VPN.	24 th Sept. 2005	SIES college of Arts, Science & Commerce, Nerul (Mumbai)	State
06	Mr. Pramod B. Hivare	Seminar on Network Security & WLAN technology – VPN.	24 th Sept. 2005	SIES college of Arts, Science & Commerce, Nerul (Mumbai)	State
		ii) IMPACT Computer software cum exhibition.	10 th & 11 th Jan. 2006	M.J.College, Jalgaon	State
07	Mr. S.D. Tupare Programme Officer N.S.S.	i) Attended workshop organized by student welfare department	31 st March 2006.	V.V.Bhavan, 'B' Road, Churchgate, Mumbai.	University
		ii) Delivered a lecture in, N.S.S.Camp. on competitive examination	26 th Dec.2005.	At.Post. Kuhire, Tal-Pen, Dist- Raigad.	University

8. Research projects:

Dr. (Mrs.) V. Sarada, Reader and Heading dept. of Botany has under taken “ **Establish the Bio-diversity of fresh water algae in Amba River at Nagothane?** ”

9. Patents generated if any: Nil**10. New collaborative research programs:**

This academic year many teachers were motivated to take up research Projects. We have forwarded one minor project in the chemistry for financial Support.

11. Reaserch grants received from various agencies:

Dr. (Mrs.) V.Sarada Rs. 40,000 /- University of Mumbai for Minor Research Project, in Bio-diversity of fresh water Algae in Amba River, Dist – Raigad (M.S)

12. Details of Research Scholars-

Teaching is a public activity. There is nothing esoteric about it. The leavening Propinquity of campus writing is not irreverent to the teaching, learning and evaluation. Effective teaching and right kind of research are mutually beneficent. The following teachers have taken up research activity. This activity is essential / mandatory for P.G. Teaching regularization for getting higher scale and promotion in their CAS. The limited Resources keeping in the mind and the newly selected and teachers would been motivated to take up practical fulfillment of their careers. The emphatical knowledge about cater of teaching through a tangible outcome like Ph.D. and M.Phil.

CHEMISTRY –

Mr. S.D.Patil is doing Ph.D. under Dr.(Mrs.) N.T.Patel from SRTM, Nanded.

BOTANY-

Mr. V.S.Chavan is doing his Ph.D. Under Dr. (Mrs.) N.T.Patel Dr. BAMU. Aurangabad.

PHYSICS –

Mr. S.S.Gurav is perusing his Ph.D. Under the topic “ Investigation of Physic effects on preude-bookites”

ZOOLOGY –

Mrs. P.Nirmala Jyothi has taken up analysis of physico chemical Parameters of River Amba.

13. Citation index of faculty members and Impact factor:

The faculty is actively publishing number of Articles and the papers in different Magazines and the Journals it is very difficult to assess their impact in national scenario

14. Honors /Awards to the faculty:

Dr. S.V.Bhosale who completed his Ph.D.and post doctoral Research from abroad.

15 . Internal resources generated:

In order to augment the resources of the institution, the class rooms are given for conducting Un-aided Subjects like Computer Science and Information Technology. Fag end of academic your, all the class rooms were used for secondary and Higher Secondary Exams.

16. Details of departments getting SAP/COSIST/DST. FIST etc Assistance / Reorganization: Nil

17. Community Services –

We have adopted kuhire. Taluka- Pen. In this Village our NSS Volunteers have been carried different Activities Listed below.

- I. Cleanliness of village
- II. Health checkup
- III. Utilization of Raw food.
- IV. Yoga, Art of living
- V. The plantation
- VI. Door to Door Socio economic survey
- VII. Ten days residential Camp at the adopted Village.
- VIII. N.S.S.Volunteers participated Blood Donation Camp

18. Teachers and officers newly recruited-

Mrs. Deepa D. Ramteke M.A. M.Lib SET she has joined as In-Charge Librarian.

19. Teaching and non- teaching staff ratio:

Teaching and Non-Teaching ratio Regular : 18:13

Teaching and Non-Teaching in Unaided Course : 12.03

20. Improvement of Library services:

Our college library remains open from 8.00 A.M. to 5.00 P.M. During examinations it will be kept open till 6.00 P.M. The library can function as a teaching tool and teachers best partner in Science College. The first year students have been oriented its use so that they enrich maximam benefit home reading. The librarian is instructing the students in the proper use of library and reading place. She is a consusellor, friend guide to the students. She is in the happy position of guiding the staff as well. All the subject teachers are holding library committee for purchase of books and journals, are of the paramount goal of H.E. in 21st Century is that it ought to stimulate students take to read beyond the materials that are strictly recommended for their syllabus. As per University fee structure the amount stipulated was spent during the academic year

2005-06 college library added a 228 Books worth of Rs. 45111/- Around 13 periodicals including magazines, weeklies, biweeklies was subscribed 07. The library books were stored in systemically Catalogued like

alphabetically arranged most of the users have an access to the knowledge base contained in these publications.

A full time Librarian was appointed by the management to strictly adhered to the University Act. & statutes. Ordinances, Regulations and the rules for healthy and efficient functioning of the library.

New Purchased books and Journals and furniture subscribe and their Note.

Sr. No	Particulars	Quantity	Amount
01	Books	228	45111.00
02	Journals	06	4250.00
03	Periodicals	07	2640.00
04	Magazines	07	1148.00
05	CD's	21	Complement
	Total	259	53149.00

21. New Books / Journals Subscribed and their value (2005 - 06)

Library is a multimedia storage bank of information equipped not only books but also non book resources like. C.Ds etc. The professional unaided course. books will be logically available on the CD and in the from of data base.

22. Course in which Students assessment has been introduced and the action taken on student feed back.

Each teacher and the student feed back was collected and the concrete suggestions were implemented with positive spirit. A student suggestion box is maintained in the office and the other in the library. These are periodically checked by the concerned committee and the necessary action is taken.

23. Unit Cost of education:

Rs. 20,042 /- Regular (aided)

Rs. 9510 /- B.Sc. Computer Sc. & I.T. (Un- aided)

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

Computers are the commonest tool for every purpose. We have qualified faculty and most of administration is being shouldered by office staff with personal monitoring of H.O.D. the process of admission preparation of merit list and display the merit list for Regular and un-aided will be kept on time the examination committee and secrecy and declaration and the display the results also catered by concerned statutory ? committee.

25. Increase in the infrastructural facilities.

- I Modification to the existing infrastructure have been made to create M.Sc. by Research ?
- II Computer laboratory for project preparation.
- III New and spacious IT Lab were built.

26. Technology up gradation

Technology is of increasing importance in people's every day life and that presence will most certainly improve *e-suvidha*.

27. Computer & Internet access and training to teachers and students:

Today's Teaching and learning is based on the syllabus in U.G./ Comp. Sc./ I.T. this educational computing lessons not only theory and practical. The internet should be received as an enabling tool that leads to a manifold enlarge in production acutely and given the subject.

28. Financial aid to students

The financial aid of Backward class students ensure educational opportunities for disadvantaged groups within the society. All the students of SC/ST/OBC/DT/NT/VJ the Tuition Fees has been reimbursed by social welfare Dept. of Govt. of Maharashtra.

29. Activities and support from the Alumni Association.

Concrete efforts are being made to form a registered Association.

30. Activities and support from the Parents - Teachers Association

The college is working with the parent teacher association. The PTA association Committee conducts parent teacher meeting every term end. This helps in tracking the performance of the wards. Most of the students and their parents are appreciated of the Association and functions of PTA.

31. Health Services:

We are Concerned about the Health of both the staff and students and hence in order to bring awareness, a medical check up camp was organized. A meditation programme was also organized to improve reading, remembering and reproducing, the subject matter in specific time during examinations.

32. Performance of sports activities:

The college provides sports activities in association with junior college physical education teachers. The sports include fitness, Well ness, Nutrition, relishing gymnastics, throwball, kho-kho, Kabaddi, and the indoor games like carom, chess etc. the university Journal sports was also organized in the colleges. The college conducts athletics like events such as splint, relay, Jump, discuss, javelin and shot-put etc.

33. Incentives of outstanding sports person:

The college has a tie up with RIL/IPCL and provide best possible facilitates. A special Annual Prize distribution ceremony was arranged in the sports week. Expert coaches are appointed in various games. The traveling allowances, dresses are given to sports person particularly in university events facilities like T-shirts, sports shoes are also given to sports person. A special Annual prize distribution Ceremony was arranged to the out standing students who participated in university events.

34. Students achievement and awards:

The college has several meritorious scholarship for the students who stood in their annual exams were facilitated the annual prize distribution ceremony.

35. Activities of the Guidance and Counseling Unit :

The program officer of counseling unit dealt & cohesively with a psychological and personal issues of the students have been remodeling moments skills like Communication Skill, Public Speaking etc.

36. Placement services provided to student:

The following students have been placed by the placement Cell in the near by vicinity of MIDC

1. Mr.Ambekar Manohar Kisan	- T.Y. B.Sc.(Chemistry)	63.32%
2. Mr. Kode Sandeep Sadu	- T.Y. B.Sc.(Chemistry)	65.87%
3. Mr. Walanj Satish	- T.Y. B.Sc.(Chemistry)	70.00%
4. Mr. Patil Adesh Sharad	- T.Y. B.Sc.(Chemistry)	65.13%
5.Mr. Ware Prafulla Prakash	- T.Y. B.Sc.(Chemistry)	57.37%
6.Mr. Wadkar Anil Sharad	- T.Y. B.Sc.(Chemistry)	56.00%
7.Mr. Kamble Vishwajeet	- T.Y. B.Sc.(Chemistry)	60.15%

37. Development program for Non-Teaching staff:

All the non-teaching faculty is oriented by our society's auditor Specially completes while audit and Internal transactions.

Reservation policies, desired to ensure educational opportunities for all group of non-teaching faculties one of our non-teaching faculties completed P.G.Programme in Arts,

38. Healthy practices of the institution :

At the intuitional level practices are as follows –

- ❖ Teaching and non-teaching faculty jointly & organized “ Ganesh Puja”
- ❖ A demonstration of National disaster training organized by Revenue division and trained our N.S.S. students.
- ❖ The N.S.S. Unit celebrated Dr. Radhakrishnan’s Birthday
- ❖ The college has its statutory Admission committee

39. Linkages developed with National / International, academic Research Bodies.

Our teachers have been keep in touch with the National and International bodies.

CCMB – Centre for Cellular and Molecular Biology

ICRISAT - International Crop Research Institute for Semi Arid Tropics.

40 Any other relevant information the institution wishes to add

1. Grant Received from Govt : 48,04,286 /-
2. Assets of the college : 11,10,694 /-
3. P.F.deposited till : 2,26,147 /-
31st March, 2006.

PART –C

Details the plans of the Institution for the next year (2006 - 07)

1. To peruse the 2(f) and 12(B) from UGC.
2. Various Non – statutory committees may be formed for smooth functioning of the college
3. Students may be encouraged to participate intercollegiate competitions,
4. Staff welfare club may be established for meeting the teaching and non teaching Celebrate birthdays,
5. To establish Career guidance cell and additional charge of placement officer.
6. Proposal may be sent to university for hosting Intercollegiate Zonal chess competition.
7. Proposal may be sent to university's Cricket tournament.
8. Proposal may also be forwarded to obtain MPLADS fund,
9. Reforms in Examination System.
10. Enhancement of Qualification of Faculty.
11. Improvement of Infrastructure.

(Dr. V.S.N.Raghava Rao)

Name and Signature of
the co-ordinator, IQAC

(Dr. Anil K. Patil)

Name and Signature
of Chairperson, QAC