



**Konkan Education Society's
Anandibai Pradhan Science College,
Nagothane, District-Raigad (Maharashtra)**

PERSPECTIVE PLAN

FOR THE ACADEMIC YEAR

2017-2018 TO 2022-2023

The college does have a distinct quality policy oriented towards achievement of the institutional vision, mission and objectives. The policy pronounces that the college is committed to provide quality higher education, particularly in science to bring about the social change in the rural area. We are passionate about making a positive impact on them. Externally, we are driven to deliver our mission and convinced of the transformative power of education and research to them for their betterment. Our institution has distinct characteristics which have guided Basic sciences, information technology and computer science disciplines.

The Quality Policy is an outcome the brainstorming, deliberations and joint ventures of the top management of parent institution, CDC, IQAC and Coordination committee which formulates planning and its subsequent execution for the overall development of the stakeholders.

The IQAC revises and reviews the quality policy through the involvement of stakeholders. The "Quality Policy" of the College is driven by the teaching and non-teaching staff of the College and also by our students. It is firmly centered on the needs of the learner and standards of teaching and learning experience. The IQAC identifies the areas of institutional strengths, weaknesses, opportunities and challenges for planning and setting up measures to attain expected quality in all the segments of the college.

The college does have a perspective plan for development worked out immediately after the First Cycle of Accreditation by NAAC. The plan is developed in purview of the seven criteria laid down by NAAC and in consultation with the top management of parent institution, CDC, IQAC Administrative staff, faculty and student representatives.



PREAMBLE

The College has prepared a Perspective Plan for the period of five years commencing from academic year 2017-18 to academic year 2021-22. The perspective plan has been chalked out in the purview of quality indicators of seven criteria determined by NAAC.

Internal Quality Assurance Cell (IQAC) of the college has taken initiatives in the preparation of the Perspective Plan. Inputs from all stakeholders, their expectations, management policies and goals and objectives of the college are considered as a base for the formulation of the perspective plan.

The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality measures. Feedback from all the stakeholders and the recommendations of the IQAC are taken into account in the drafting of the perspective plan.

Introduction of new academic and research programmes, augmentation of career oriented and skill based short-term courses, provision of academic flexibility, faculty involvement in curriculum design and development, organization of workshops on revised syllabus, recruitment of qualified faculty, organization of teacher training programmes, stakeholders feedback mechanism, focus on cross-cutting issues like Gender, Climate Change, Environmental Education, Human Rights and ICT, self-appraisal by teachers, faculty improvement programmes, use of ICT in Teaching-Learning, organization of capacity building programmes/activities for students, attainment of quantitative and qualitative academic results at university examinations, promotion of innovative teaching-learning methods, use of summative and formative evaluation methods, IT input in admission and evaluation processes, upgradation of teachers qualification, provision of remedial coaching, provision of psycho-social and academic counseling to students, promotion of research in terms of Major/Minor Research Projects, research publications in reputed journals, book publication, paper presentations and organization of seminars and conferences, augmentation of consultancy services for revenue generation, organization of extension and outreach programmes under ISR, Signing MOU's and strengthening



collaborations with academic bodies, research institutions industry and NGOs, upkeep and augmentation of infrastructural facilities, upgradation of Central Library facility, upgradation of departmental libraries, provision of ICT equipment to academic departments and support services, strengthening students support mechanism, organization of sports and cultural events of University of Mumbai, enhancement in students participation in different sports and cultural events, promotion of students research activities through Avishkar Research Convention, inculcation of entrepreneurship among students, arrangement of placement activities, focus on students progression to higher education, efforts for minimizing drop-out rate, ensure students active involvement in administrative and academic committees, provision of academic leadership by the management, conduct of academic and administrative audits, provision of welfare schemes for faculty and staff, avail grants from different funding agencies, strengthening IQAC activities, conduct of green and energy audits, effective implementation of institutional best practices, focus on energy conservation, water harvesting, check damn construction, carbon neutrality, tree plantation, hazardous waste management and e-waste management, etc., are some of the measures taken at priority basis for quality sustenance and enhancement and prepare the perspective plan. The draft of the Perspective Plan has been discussed with stakeholders, reviewed and approved in the local managing committee of the college. The perspective plan reflects our sincere efforts to design the institutional quality framework for attainment of its goals and objectives and cope up with the changing perspective of Higher Education in the context of globalization.

CURRICULAR ASPECTS

1) To introduce New Programmes/Courses: -

Degree Programmes: -

- Bachelor of Science in Physics,
- Bachelor of Science in Botany
- Bachelor of Science in Zoology



Postgraduate Degree Programmes: -

- Additional Division of M.Sc. Organic Chemistry
- M.C.A. under YCMOU

Research Degree Programmes: -

- Ph. D. in Chemistry.
- Ph. D. in Botany.

Other Programmes: -

Skill Based certificate courses in

- Flame Photometer
- Hand Sanitizer
- Soap Preparation
- Use of Technology in Chemistry
- Exploring Chemistry in Daily Life
- Skill and Calibration of Instruments in Chemistry
- Energy Conservation
- Digital Marketing

2) To organize Workshops on Revised Syllabi:

The institute will organize workshops on Revised Syllabi as per the revision made by affiliated university.

3) To strengthen Feedback Mechanism:-

The institute has planned to restructure feedback mechanism to collect feedback from stakeholder for quality improvement

Online Feedback System will be adopted for collection of feedback.



TEACHING-LEARNING AND EVALUATION

- To appoint Qualified Teachers
- To adopt innovative T-L Methods
- To provide extra coaching to Slow and Advanced Learners.
- To arrange Bridge Courses
- To improve academic results at university examinations
- To increase University Rankers
- To promote ICT in T-L
- To arrange Experts Lecture Series
- To organize Faculty and Students Improvement Programmes
- To depute faculty and students to seminars and workshops
- To define programme outcome and course outcomes

RESEARCH, CONSULTANCY AND EXTENSION

- To initiate Ph. D. Centre in Chemistry
- To organize Seminars / Workshops / Conferences
- To prompt Faculty to go for Major and Minor Research Projects
- To prompt Faculty to publish research papers in National / International Journals.
- To encourage faculty to present papers in international conferences especially held in abroad
- To increase student's participation in Avishkar Research Convention
- To initiate formal consultancy services
- To sign MOU's for collaborative activities
- To develop Linkages and Collaborations
- To strengthen extension and outreach activities.



INFRASTRUCTURE AND LEARNING RESOURCES

- To renovate Central Library
- Renovate Administrative Office
- To renovate Examination Section
- To renovate Classrooms and Laboratories
- To develop Central Internet Browsing Centre
- To develop Smart Classroom
- To develop Video Lecture Recording Facility Centre
- To purchase new computers, LCD projectors, and peripherals to meet the needs of ICT enabled T-L.
- To develop Wi-Fi facility on college campus.
- To enrich the Central and Departmental Libraries
- To sign AMC's for upkeep of infrastructural facilities.
- To initiate physical facilities and upgradation of existing ones
- To upgrade ICT facility
- To develop CAP centre

STUDENT SUPPORT AND PROGRESSION

- To strengthen student support mechanism
- To increase student's participation in Co-curricular and Extra-curricular activities
- To introduce Management Scholarship
- To Strengthen Mentor-Mentee scheme
- To organize sports and cultural events of University of Mumbai
- To promote Mentoring
- To provide Bridge Courses
- To provide Remedial Coaching
- To provide Crash Courses in Computer Literacy and Communications
- To establish Placement Cell, Psycho-Social Counselling Cell and Entrepreneurship Development Cell




- To arrange Campus Interviews for the placement of students.
- Organization of Health Check-up Camps, Yoga and Gender Sensitization Programmes
- To organize Avishkar Research Convention at college level
- To provide Psycho-Social Counselling, Career Counselling and Health related Counselling
- To improve support services like Cafeteria, Library, NSS, WDC, etc.
- To strengthen Alumni Association and activities

GOVERNANCE, LEADERSHIP AND MANAGEMENT


- To organize Training Programmes for faculty and staff
- To conduct Internal Academic Audit
- To arrange Academic Audit by External Experts
- To strengthen Welfare activities for faculty and staff
- To arrange lectures under Staff Academy
- To depute faculty for FIP, Refresher and Orientation Courses
- To make budgetary provision for academic departments
- To organize Quality based activities of IQAC

INNOVATIONS AND BEST PRACTICES

- To carry out Green Audit.
- To carry out Energy Audit.
- To renovate College Check Dam.
- To install Solar Systems on college campus.
- To arrange awareness programmes for environment consciousness.
- To make arrangement for hazardous and e-waste management.
- To organize Tree Plantation Drives.
- To adopt and introduce innovations and best practices at departments and support services levels.
- To organize activities for energy and water conservation.


IQAC Co-ordinator
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PRINCIPAL
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