



## K. E. S. Anandibai Pradhan Science College, Nagothane

### STRATEGIC PLAN AND DEPLOYMENT

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 Quality Policy explicitly unfolds that the college is committed to:

- Strengthen self-critical, honest, transparent and responsive culture.
- Develop and set standards for all areas of activity.
- Establish and maintain quality systems and procedures to enable the college to evaluate its strengths and weaknesses rigorously and respond to improvement needs effectively.
- Continuously improving the quality of the students' learning experience by monitoring, reviewing, developing and enhancing standards of teaching and learning.



- Ensure that staff members have the awareness and skills necessary to respond effectively to the challenges of self-evaluation, action planning and continuous improvement.
- Encourage the involvement of all members of the college community in the review of performance, the maintenance of high standards and the setting and achieving of quality improvement targets.
- Being responsive and accountable to all types of stakeholders by providing a variety of means to express their views on our services and have their feedback taken into account.
- Achieve recognition of our performance standards through accreditation and commitment to national quality standards.

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 deployment of "Quality Policy" is channelized through:**

- Providing motivation, encouragement and appreciation to the teachers for their contribution in college activities.
- Providing a platform of opportunities to enhance their competency levels. Taking a formal feedback on teaching-learning process of programmes.
- Addressing the issues related to recruitment of teachers, their workload and teaching plans for each academic semester.
- Providing required infrastructure for smooth functioning of teaching learning process on college campus.
- Supporting proactively teachers and students for establishing College Community neighborhood network.
- Focusing on overall development of students.



- Monitoring all the activities happening on and off college campus and taking up reformative steps for quality enhancement and sustenance.

The quality policy of the college is reviewed during the meetings Executive Committee, Managing Council, CDC, 1QAC, Co-ordination Committee and the meetings with HOD's and staff. The review of the "Quality Policy" is done as per the changing needs of higher education policies. All the activities planned are reviewed by the participants (students/faculty), external members (Advisory, 1QAC) and the Management team to make sure that they are deployed in accordance with the stated quality policy.

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, 1QAC 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 (1QAC) 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 1QAC 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 1QAC 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 water analysis,

Soap making

perfume making

Pickle making courses.

#### **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

### **Research, Consultancy and Extension:-**

- To initiate Ph. D. Centre in Chemistry
- To upgrade certificate course in water Analysis.
- 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



### **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 Commerce Lab
- 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 up gradation of existing ones

### **Student Support and Progression:-**

- To increase students participation in Co-curricular and Extra- curricular activities
- To introduce Management Scholarship
- 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 Counseling 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 Counseling, Career Counseling and Health related Counseling
- 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.



  
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