

Guidelines for the Creation of the
Internal Quality Assurance Cell (IQAC)
and Submission of Annual Quality Assurance
Report (AQAR) in Accredited Institutions
(Revised in October 2013)



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

NAAC

VISION

To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives.

MISSION

- ☞ To arrange for periodic assessment and accreditation of institutions of higher education or units thereof, or specific academic programmes or projects;*
- ☞ To stimulate the academic environment for promotion of quality of teaching-learning and research in higher education institutions;*
- ☞ To encourage self-evaluation, accountability, autonomy and innovations in higher education;*
- ☞ To undertake quality-related research studies, consultancy and training programmes, and*
- ☞ To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.*

Value Framework

To promote the following core values among the HEIs of the country:

- *Contributing to National Development*
- *Fostering Global Competencies among Students*
- *Inculcating a Value System among Students*
- *Promoting the Use of Technology*
- *Quest for Excellence*

Contents

	Page Nos.
1. Introduction	..... 4
2. Objective	..... 4
3. Strategies	..... 4
4. Functions	..... 5
5. Benefits	..... 5
6. <i>Composition of the IQAC</i>	..... 5
7. The role of coordinator	..... 6
8. Operational Features of the IQAC	..... 6
9. Monitoring Mechanism	..... 7
10. The Annual Quality Assurance Report (AQAR) of the IQAC	..... 8

Part – A

11. Details of the Institution	..... 9
12. IQAC Composition and Activities	..... 12

Part – B

13. Criterion – I: Curricular Aspects	..... 14
14. Criterion – II: Teaching, Learning and Evaluation	..... 15
15. Criterion – III: Research, Consultancy and Extension	..... 17
16. Criterion – IV: Infrastructure and Learning Resources	..... 20
17. Criterion – V: Student Support and Progression	..... 21
18. Criterion – VI: Governance, Leadership and Management	..... 24
19. Criterion – VII: Innovations and Best Practices 27
20. Abbreviations 29

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Guidelines for the Creation of the Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) in Accredited Institutions

Introduction

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a post-accreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realisation of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, it will channelize all efforts and measures of the institution towards promoting its holistic academic excellence.

The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the Internal Quality Assurance Cell (IQAC). The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation it can inculcate in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies to remove deficiencies and enhance quality like the "Quality Circles" in industries.

Objective

The primary aim of IQAC is

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Strategies

IQAC shall evolve mechanisms and procedures for

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) The relevance and quality of academic and research programmes;

- c) Equitable access to and affordability of academic programmes for various sections of society;
- d) Optimization and integration of modern methods of teaching and learning;
- e) The credibility of evaluation procedures;
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- g) Sharing of research findings and networking with other institutions in India and abroad.

Functions

Some of the functions expected of the IQAC are:

- a) Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- b) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- c) Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters of higher education;
- e) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- f) Documentation of the various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- i) Development of Quality Culture in the institution;
- j) Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

Benefits

IQAC will facilitate / contribute

- a) Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement;
- b) Ensure internalization of the quality culture;
- b) Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices;
- c) Provide a sound basis for decision-making to improve institutional functioning;
- d) Act as a dynamic system for quality changes in HEIs;

- e) Build an organised methodology of documentation and internal communication.

Composition of the IQAC

IQAC may be constituted in every institution under the Chairmanship of the Head of the institution with heads of important academic and administrative units and a few teachers and a few distinguished educationists and representatives of local management and stakeholders.

The composition of the IQAC may be as follows:

1. Chairperson: Head of the Institution
2. A few senior administrative officers
3. Three to eight teachers
4. One member from the Management
5. One/two nominees from local society, Students and Alumni
6. One/two nominees from Employers /Industrialists/stakeholders
7. One of the senior teachers as the coordinator/Director of the IQAC

The composition of the IQAC will depend on the size and complexity of the institution. It helps the institutions in planning and monitoring. IQAC also gives stakeholders or beneficiaries a cross-sectional participation in the institution's quality enhancement activities. The guidelines given here are only indicative and will help the institutions for quality sustenance activities.

The membership of such nominated members shall be for a period of two years. The IQAC should meet at least once in every quarter. The quorum for the meeting shall be two-third of the total number of members. The agenda, minutes and Action Taken Reports are to be documented with official signatures and maintained electronically in a retrievable format.

It is necessary for the members of the IQAC to shoulder the responsibilities of generating and promoting awareness in the institution and to devote time for working out the procedural details. While selecting these members several precautions need to be taken. A few of them are listed below:

- ♦ It is advisable to choose persons from various backgrounds who have earned respect for integrity and excellence in their teaching and research. Moreover, they should be aware of the ground realities of the institutional environment. They should be known for their commitment to improving the quality of teaching and learning.
- ♦ It would be appropriate to choose as senior administrators, persons in charge of institutional services such as library, computer center, estate, student welfare, administration, academic tasks, examination and planning and development.
- ♦ The management representative should be a person who is aware of the institution's objectives, limitations and strengths and is committed to its improvement. The local

society representatives should be of high social standing and should have made significant contributions to society and in particular to education.

The role of coordinator

The role of the coordinator of the IQAC is crucial in ensuring the effective functioning of all the members. The coordinator of the IQAC may be a senior person with expertise in quality aspects. She/he may be a full-time functionary or, to start with, she/he may be a senior academic /administrator entrusted with the IQAC as an additional responsibility. Secretarial assistance may be facilitated by the administration. It is preferable that the coordinator may have sound knowledge about the computer, its various functions and usage for effective communication.

Operational Features of the IQAC

Quality assurance is a by-product of ongoing efforts to define the objectives of an institution, to have a work plan to achieve them and to specify the checks and balances to evaluate the degree to which each of the tasks is fulfilled. Hence devotion and commitment to improvement rather than mere institutional control is the basis for devising procedures and instruments for assuring quality. The right balance between the health and growth of an institution needs to be struck. The IQAC has to ensure that whatever is done in the institution for “education” is done efficiently and effectively with high standards. In order to do this, the IQAC will have to first establish procedures and modalities to collect data and information on various aspects of institutional functioning.

The coordinator of the IQAC and the secretary will have a major role in implementing these functions. The IQAC may derive major support from the already existing units and mechanisms that contribute to the functions listed above. The operational features and functions discussed so far are broad-based to facilitate institutions towards academic excellence and institutions may adapt them to their specific needs.

Monitoring Mechanism

The institutions need to submit yearly the Annual Quality Assurance Report (AQAR) to NAAC. A functional Internal Quality Assurance Cell (IQAC) and timely submission of Annual Quality Assurance Reports (AQARs) are the Minimum Institutional Requirements (MIR) to volunteer for second, third or subsequent cycle’s accreditation. During the institutional visit the NAAC peer teams will interact with the IQACs to know the progress, functioning as well quality sustenance initiatives undertaken by them.

The Annual Quality Assurance Reports (AQAR) may be the part of the Annual Report. The AQAR shall be approved by the statutory bodies of the HEIs (such as Syndicate, Governing Council/Board) for the follow up action for necessary quality enhancement measures.

The Higher Education Institutions (HEI) shall submit the AQAR regularly to NAAC. The IQACs may create its exclusive window on its institutional website and regularly upload/ report on its activities, as well as for hosting the AQAR.

The NAAC Accredited institutions need to submit only the soft copy as word file (.doc/.docx) through e-mail (naac.aqar@gmail.com). The file name needs to be submitted with Track ID of the institution and College Name. For example MHCOGN16601-Samudra Arts and Science College, Taliamegu-Maharashtra.doc. The Higher Education Institutions need not submit the printed/hard copy to NAAC. The acknowledgements would be sent to the institutions through e-mail.

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

I. Details of the Institution

1.1 Name of the Institution

Konkan Education Societies
Anandibai Pradhan Science College, Nagothane.

1.2 Address Line 1

Bapusaheb Deshpande Educational Complex

Address Line 2

A/P- Nagothane, Tal- Roha, Dist- Raigad

City/Town

Nagothane

State

Maharashtra

Pin Code

402106

Institution e-mail address

principalapsc@yahoo.co.in

Contact Nos.

02194-222582

Name of the Head of the Institution:

Dr.S.S.Gurav

Tel. No. with STD Code:

02194-222582

Mobile:

8149375082

Name of the IQAC Co-ordinator:

Dr.D.V.Bhagat

Mobile:

9960455356

IQAC e-mail address:

bhagat.dinesh72@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879) :- MHCOGN13963

1.4 Website address:

<http://www.apcnagothane.edu.in>

Web-link of the AQAR:

<http://www.apcnagothane.edu.in/images/AQAR201516.pdf>

For ex. <http://www.ladykeanecollege.edu.in/AQAR201213.doc>

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	C+	—	2005	5 years
2	2 nd Cycle	B	2.20	2011	5 years
3	3 rd Cycle				
4	4 th Cycle				

1.6 Date of Establishment of IQAC: DD/MM/YYYY

26/04/2006

1.7 AQAR for the year (for example 2010-11)

2015-16

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR 2011-12 submitted to NAAC on 28-09-2012 (DD/MM/YYYY)
ii. AQAR 2012-13 submitted to NAAC on 28-09-2013 (DD/MM/YYYY)
iii. AQAR 2013-14 submitted to NAAC on 08-04-2015 (DD/MM/YYYY)
iv. AQAR 2014-15 submitted to NAAC on 10-10-2016 (DD/MM/YYYY)

1.9 Institutional Status

University State ☒ Central ☐ Deemed ☐ Private ☐

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☐ No ☒

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid ☒ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☒ Totally Self-financing ☐

1.10 Type of Faculty/Programme

Arts ☐ Science ☒ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☐ Health Science ☐ Management ☐

Others (Specify)

PG in Organic Chemistry + B.Sc., B.Sc.(Comp.Sc.), & B.Sc.(I.T.)

1.11 Name of the Affiliating University (for the Colleges)

Mumbai University

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2. 6 No. of any other stakeholder and

Community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes ☐ No ☒

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

- One day workshop on Revised Syllabus of F.Y.B.Sc. Physics
- State level interdisciplinary conference

2.14 Significant Activities and contributions made by IQAC

- Planning and Preparation of Yuva Mahotsav for Raigad District.
- A team of PG students and teachers completed training for checking Air pollution by MPCB.
- To improve number of research exposure publications and ongoing MRPs.
- To overcome the difficulties for the expansion of infrastructure.
- To increase number of carrier oriented programmes for the students.
- To increase number of 'MOU' with neighbouring chemical industries and Senior colleges & PHC

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Planning and Preparation of Yuva Mahotsav for Raigad District	District Level One day workshop on preparation of Yuva Mahotsav with successfully organize. Around 15 colleges participated for the event.
To improve number of research exposure publications	Six Minor Research Projects are submitted to University of Mumbai. Faculty presented around 40 research papers in the national and International Conferences.
To conduct State Level workshop	Following workshops are organized <ul style="list-style-type: none"> • 3 days Workshop on Yoga Practice was organized in the month of February • One day workshop on Disaster Management • One day workshop on Consumer Guidance
The Proposal was submitted to measure air pollution by MPCB	<ul style="list-style-type: none"> • Proposal is sanctioned by MPCB and grant of Rs. 800000/- is sanctioned for the purchase of Chemicals, equipments and remuneration of the staff. • A team of PG students and faculty has trained by MPCB.
To increase number of 'MOU' with neighbouring chemical industries and colleges	The ratio of MOU with nearby industries & Senior Colleges, Primary Health Centre is maintained perfect.
To Organise Conference/Seminar/ Workshop	One day workshop on revised syllabus of F.Y.B.Sc. is organized in the month of August 2015

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes ☒ No ☐

Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

- Four new well-equipped & spacious chemistry laboratories are constructed and made available to work.
- Construction for new building (G+2) is made successfully for further requirement.
- MOU with Industries, Senior Colleges and Primary Health Centre is maintained
- One day workshop on Revised Syllabus of F.Y.B.Sc. Physics is organised in the month of August 2015. Following workshops are organized
 - 3 days Workshop on Yoga Practice was organized in the month of February
 - One day workshop on Disaster Management
 - One day workshop on Consumer Guidance
- In this academic year Institute is selected by MPCB (Maharashtra pollution control Board) to measure air pollution due to chemical and pharmaceutical Industries in Raigad District .MPCB has sanctioned grant of Rs .8,00,000/- to purchase equipments and remuneration per year.
- Institute utilize research grant of Rs. 1700000/- from DST-FIST the purchase of equipments, instruments, books, computer and networking.
- Industrial Visit and Study tour has Organised for the students to improve their practical knowledge.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	-	-	-	-
PG	01	-	01	02
UG	03	-	02	02
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	04	00	03	04
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	06
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni ☒ Parents ☐ Employers ☐ Students ☒
(On all aspects)

Mode of feedback : Online ☐ Manual ☒ Co-operating schools (for PEI) ☐

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

S. Y. B.Sc. (Regular), S.Y.B.Sc.(Comp.Sci.), S. Y. B.Sc. (I.T.),

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
15	11	03	-	01

2.2 No. of permanent faculty with Ph.D.

8

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year 2013-14

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
21	01	03	00	00	00	01	00	25	01

2.4 No. of Guest and Visiting faculty and Temporary faculty

07

02

10

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	4	40	12
Presented papers	4	20	10
Resource Persons	-	3	-

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Teaching is made interesting with the help of structural & stereochemical models.
- Audio visible teaching techniques is strengthen.
- Professional subject experts are invited for extra coaching.
- Outreach programme like Projects, Industrial Visit, Research Laboratories Visit, etc. are working.
- LCD-TV is working for practical demonstration and instructions.
- To improve their practical knowledge, students are motivated to participate in research festivals such as
 - Avishkar Research convention
 - National Youth Congress

2.7 Total No. of actual teaching days during this academic year 2013-14

191

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Bar coding
- Photocopy

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development

02

Science

F. Y./S.Y. B.Sc.
Chemistry & Zoology

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

90 %

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
T.Y.B.Sc. Chemistry	113	11	55	47	-	90.27
T.Y.B.C.S.	07	-	01	03	-	57.14
T.Y. I.T.	20	01	-	-	-	05

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

- Preparation of Academic Calendar
- Individual teaching plans are prepared.
- Remedial coaching
- Feedback is taken from students and parents
- Internal & External Theory & Practical exam.
- Seminars & presentation for PG students.
- Lecture wise sign attendance is maintained.
- Parent teacher meeting is organised once in a year

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	05
UGC – Faculty Improvement Programme	03
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	-
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	04	00	00	01
Technical Staff	07	00	00	01

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- To improve their practical knowledge, students are motivated to participate in research festivals such as
 - Avishkar Research convention
 - National Youth Congress
 - Prerna bulletin is published which contains research articles of students of student.
- Research grants of RS.17,00,000/- is received from DST-FIST for research activities
- Consultancy services are started.
 - Water Quality
 - Soil Quality
 - Bio-Fertilizers
 - Save Electricity, save energy.
- State Level Interdisciplinary Conference is organized where 56 research papers are published
- Study Tour and Industrial Visit is successfully organized for UG and PG students.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	03	06
Outlay in Rs. Lakhs	-	-	90,000/-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	02	4	3
Non-Peer Review Journals	02	4	3
e-Journals	-	-	-
Conference proceedings	-	32	6

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	2016-17	University of Mumbai	90,000/-	Nil
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	2016-17	University of Mumbai	90,000/-	Nil

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences
organized by the Institution

Level	International	National	State	University	College
Number	-	-	01	-	-
Sponsoring agencies	-	-	College itself	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :-

From funding agency	<input type="text" value="-"/>	From Management of University/College	<input type="text" value="25,000/-"/>
Total	<input type="text" value="25,000/-"/>		

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
-	-	-	-	-	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="-"/>
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="-"/>
		Any other	<input type="text" value="-"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

NSS activities:-

- Swach Bharat Abhiyan- Preparation of toilets and urinals
- Blood group Check up Camp
- Haemoglobin Check up Camp
- Plantation
- Poster exhibition on HIV-AIDS
- AIDS awareness
- HIV-AIDS – blood testing
- Blood donation Camp.
- Awareness by Street Play, Rangoli, Poster exhibition.

WDC activities:-

- Shravansari
- Self employment skill development programme and preparation of decorative articles like flowers, bags, etc.
- Birth anniversary of Savitribai Phule
- International Women Day Celebration.
- Lecture and demonstration on Self defence.
- Workshop on Tailoring.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing (sq.m.)	Newly created	Source of Fund	Total
Campus area	1332.23	1103.69	Management & UGC	2435.92
Class rooms	218.04	310.67	-	528.71
Laboratories	491.36	212.59	Management	703.95
Seminar Halls	-	101.17	-	101.17
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	424	2	Management & UGC	426
Value of the equipment purchased during the year (Rs. in Lakhs)	28,00,244	47,756	Management & UGC	28,48,000
Others	-	-	-	-

4.2 Computerization of administration and library

- Computer training to office staff.
- N-list software is introduced in library
- Computer & internet facilities to staff teachers & students
- Provide LCD TV for practical demonstration
- Provide Laptop to all HOD's and in-charge

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	848	95160	47	4140	895	99300
Reference Books	7272	1619303	81	110175	7353	1729478
e-Books	-	-	-	-		
Journals	21	10200	27	12595	48	22795
e-Journals	-	-	-	-	-	-
Digital Database (N-List-INFLIBNET)	84237	5000	-	5725	-	5725
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	32	02	24	24	04	04	05	00
Added	01	00	00	00	00	00	00	01
Total	33	02	24	24	04	04	05	01

4.5 Computer, Internet access, training to teachers and students and any other programme for technology Upgradation (Networking, e-Governance etc.)

- Computer training to teaching staff and PG students
- Free internet access provided to PG students
- Workshop on Power Point Presentation to PG students

4.6 Amount spent on maintenance in lakhs :

i) ICT	52670
ii) Campus Infrastructure and facilities	3,55,000/-
iii) Equipments	23,858,-
iv) Others	-
Total :	4,31,528/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- ST Pass are provided to backward students
- Scholarships are given to backward students
- Computer / Internet facilities provided to staff & students
- Extra lectures and repetition of practicals are conducted for slow Learners.

5.2 Efforts made by the institution for tracking the progression

- Unit test for F.Y./ S.Y./ T.Y. B. Sc. & M.Sc.-I & II students
- Campus interview are conducted for UG & PG students
- Lectures on how to face interview & safety & environment are arranged by experts from industry
- Industrial visits are arranged to give exposure to students & staff about industry

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
450	40	-	-

(b) No. of students outside the state

00

(c) No. of international students

Nil

No	%
175	35.71

Men

Women

No	%
315	64.28

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
236	27	1	173	-	437	227	35	4	222	2	490

Demand ratio:-98%

Dropout % - 2 %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Orientation for competitive exam by experts
- Special coaching on different topic such as Maths, IQ, Current affairs etc.
- To motivate the students for different exam such as Staff selection, MPSC , Banking ,etc
- Filling of exam forms for various competitive exams

No. of students beneficiaries

100

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	-	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	-

5.6 Details of student counselling and career guidance

For preparation of competitive exams

- Lectures are organised by experts- Mr.Suhas Patil
- Awareness of competitive exams & job opportunity
- Campus interview for the placements
- Lecture on Carrier Awareness Programme by Prof. Sherin Thomos
- Lecture on Preparation of MBA by Dr. Kakade
- Lectures on Preparation of MPSC and UPSC by alumina Mr. Umesh Patil

No. of students benefitted

100

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
01	15	01	01

5.8 Details of gender sensitization programmes

- Three days 'self employment workshop on tailoring' for girl students
- One day workshop on 'Sexual Harassment' by Adv. Smt.kishori shinde and Adv.Sonal Jain.
- One day Workshop on 'Safety of today's youth' was organized and DYSP. Dr. Anita Jamadar Lady Police Officer was available as resource person .similar type of workshop was organized in presence of API Mr.Balasaheb Darekar and PI.Mr. Sampatrao Bhosale.
- Smt. Rekha Sathye of Chanakya Mandal was invited to guide the girls students of college on "Carrier Guidance".
- One day workshop on Self Employment skill development programme "Making of artificial flowers" by Mrs. Neena Begumpure Assistant Art teacher, from Reliance Petrochemical School, Nagothane.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	02	950
Financial support from government	364	2187040/-
Financial support from other sources(University)	80	64,000/-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed::- Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

- **Motto-** Self respecting human being has nothing to do with the sorrows and joys, whatever will be the outcome of his well doings.
- **Objectives-** The torch of knowledge is to be lighted . The red colour of the flag symbolized the change , the revolution
- **Vision-** Avail the facility of education to the down trodden Community for development of society.
- **Mission & Goals of the College-**
- Education for all is the mission of Konkan Education Society and vis-a-vis College. The college is committed to provide quality higher education, particularly in science to bring about the Social change in this rural area.
The college renders access to education to the students coming from humble background and the first generation learners.

6.2 Does the Institution has a management Information System

- LMC include the members from management, local bodies, staff (teaching & non-teaching) & social worker. Annual budget is sanctioned in LMC meeting. Quarterly auditing system exists. Annual statements of all accounts are submitted to government in time.
- Student admission is given strictly on merit & according to reservation criteria laid down by government of Maharashtra.
- Student records are maintained by digital college software provided by MKCL.
- Choice Based Credit & Grading System is implemented from 2011-12 & for preparation of results the examination software is introduced.
- PG projects are conducted under the supervision of staff. Research committee of senior staff members is formed which monitors research projects. Science association helps to complete the research projects of students for research competition such as Avishkar competition.
- Use of ICT is strengthening. Computer training programme is conducted every year.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

S. Y.B.Sc. (Regular), S. Y.B.Sc. Comp. Sci., S. Y.B.Sc. I.T. syllabus pattern changed with 75:25 proportion of external & internal assessment

6.3.2 Teaching and Learning

- ICT teaching procedures to be strengthen for theory & practicals
- Audio visible teaching techniques are used.
- Teaching aids such on specific models and charts are used.
- Professional subject experts are invited
- Computer training to teachers & students
- Internet services to staff and students.
- Flow Chart diagrams and periodic tables are displayed in laboratories.

6.3.3 Examination and Evaluation

- Choice Based Credit & Grading System is implemented from 2011-12
- Semester examination pattern system for Theory and Practical is introduced
- 75:25 pattern of external & internal assessment is introduced
- For preparation of results the examination software is used .
- Student records are maintained by digital college software provided by MKCL.

6.3.4 Research and Development

- Six MRPs are submitted to University of Mumbai and three MRPs are sanctioned by University of Mumbai with outlet of 90,000/-
- To improve their practical knowledge, students are motivated to participate in research festivals such as
 - Avishkar Research convention
 - National Youth Congress
- One staff member has got recognition as Ph.D. guide
- Two Assistance Professor and One Lab assistant are working for Ph.D.
- Staff members attended more number of conferences to present the research papers in their respective subjects

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Library is well equipped with the special reading rooms , reference books, special reading room for staff & PG students
- Free internet facilities are provided to staff & PG students
- LCD projector are used for theory lecturer and demonstration of practical's.
- N- list and INFLIBINET software's are introduced in the library
- Instrument such as Flame Photometer, Spectrophotometer, Microwave Oven Digital Balance, Turbidimeter, Water Distillation Unit, Colourimeter, pH- meter, Conductometer, Potentiometer, are well equipped in a research laboratory.
- Construction of a new building including a class room of area 1000 sq.m. & two laboratories has completed .
- Construction of two new Chemistry Laboratory is completed and are available for working.

6.3.6 Human Resource Management

- Advertisement for call is publishing in the daily news papers.
- NOC for the particular cast is taken from the University of Mumbai
- Interview is taken in presence of the panel given by University of Mumbai

6.3.7 Faculty and Staff recruitment

Four CHB teachers are recruited in Regular B.Sc. Degree and seven CHB teachers are recruited in B.Sc.Computer Science and I.T. and CHB teacher is recruited for B.Sc.Physics.

6.3.8 Industry Interaction / Collaboration

- M.O.U. with five industries, four senior colleges and one PHC is made for the industrial exposure and sharing knowledge and medical
- Campus interview are conducted for UG & PG students. This year campus interview was taken by Rathi Dyestuff and Chemicals Ltd. Roha. 15 candidates appear for interview and 2 are selected.
- Lectures on How to face interview & industrial safety, environment and management are arranged by experts from industry.
- Industrial visits are arrange to gives exposure to students & staff about industry

6.3.9 Admission of Students

- Admission committee is formed for the admission process
- Online admission system is working smoothly for all UG and PG courses.
- Admissions are given to the students as per the merits of marks only
- Admission process follows all the rules and norms of the merits governed by University and Government of Maharashtra.
- Three merit list are displayed along with the waiting list of the students in advanced before actual admissions

6.4 Welfare schemes for

Teaching	√
Non teaching	√
Students	√

6.5 Total corpus fund generated

15,100/-

6.6 Whether annual financial audit has been done Yes ☒ No ☐

6.7 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	-----	No	-----
Administrative	No		Yes	K.E.S. Alibag

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes ☒ No ☐

For PG Programmes Yes ☒ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Choice Based Credit & Grading System is implemented from 2011-12 for UG and PG courses
- F.Y./ S. Y./ T.Y. B.Sc. syllabus pattern changed with 75:25 proportion of external & internal assessment
- PG syllabus pattern changed with 40:60 proportion of external & internal assessment
- Semester examination pattern system for Theory and Practical is introduced.
- CAP is organized at University for third year and M.Sc. examinations.
- The result of degree examination are declared after 30 days of completion of examination

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

University promote the autonomy in the affiliated colleges by special states

6.11 Activities and support from the Alumni Association

- Meetings of alumni is arranged at the end of each semester
- Few alumni share their experience with the present students in the "Talk-show" organized by alumni association
- Get together party of alumni of 2003-04 batch is organized in the month of December. Alumni share their experience and enjoy the cultural programme with special lunch.
- Alumni are felicitated in the Alumni Cultural Function once in a year.

6.12 Activities and support from the Parent – Teacher Association

- Meeting of parents with staff is arranged at the end of academic year.
- The agenda of meeting includes the progress, attendance of the ward.
- The future plan and opportunity in educational field is discussed in the meeting of Parent – Teacher Association.

6.13 Development programmes for support staff

- College encouraged the staff and students for research activity such as MRPs and other projects
- 3 Minor Research Projects are sanctioned & 40 papers are presented in National Conference
- Two Assistant Prof. Working for Ph.D. degree.
- Staff members attended more number of conferences to present the research.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Use of plastic carry bag is prohibited in the campus
- Students are encourage to use public transport service instead of there own vehicle
- Micro-scale and green techniques are adopted in laboratory work wherever possible
- Tree plantation programme is organized by NSS unit of the college to make green and cool campus

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- The number of research exposure publications & MRPs are increased
- To overcome the difficulties in infrastructure construction of two new buildings completed.
- The number of 'MOU' with neighbouring chemical industries, colleges and PHC centre are strengthening.
- The strength of PG Course is increased to provide PG educations to maximum students.
- To enhance the indoor and outdoor Sports facilities
- To start consultancy services.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- 6 Minor Research Projects are submitted to University & 3 are sanctioned.
- 40 research articles are presented in National and International Conference
- A new building including a class rooms and two laboratories are constructed and made available for working.
- The ratio of MOU with nearby industries & colleges is maintained perfected
- MOU is done with 5 Industries, 3 Senior Colleges and 1 Primary Health Centre.
- Following consultancy services are started:
 - Water Quality
 - Soil Quality
 - Bio- Fertilizers
 - Save electricity, Save energy

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- More research projects to be submitted to the Funding agencies such as UGC and University of Mumbai.
- To improve the library facility to make it completely computerised.
- To organised National Level seminar.
- To organised National Level Conference.
- To start consultancy services for social issues.

****Provide the details in annexure (annexure need to be numbered as i, ii,iii)***

7.4 Contribution to environmental awareness / protection

- Micro-scale and green techniques are adopted in laboratory work wherever possible
- Tree plantation programme is organized by NSS unit of the college to make green and cool campus
- Poster exhibition on eco-friendly Ganpati festival
- A rally was organized for the save tree
- Street play was organized on Industrial Waste

7.5 Whether environmental audit was conducted?

Yes

☐

No

☒

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- DST-FIST sanction Grants of Rs. 20, 00,000/- for purchasing and maintenance of science equipments and the grant of Rs.17, 00,000/- is utilize for purchase of instruments, equipments, books, computer and networking.
- The Institute organized District Level one day workshop on Revised Syllabi of F.Y.B.Sc. Physics. Where the 15 college are participated
- In addition to this following workshops are organized
 - 3 days Workshop on Yoga Practice was organized in the month of February
 - One day workshop on Disaster Management
 - One day workshop on Consumer Guidance

8. **Plans of institution for next year**

- To organised National Level Conference
- To organised District Level Youth Festival
- To start the certificate course in Chemistry, Physics, Botany, Zoology.
- Infrastructure facilities to be strengthen.

Name Dr. Dinesh Vasant Bhagat



Signature of the Coordinator, IQAC

Name Dr. Sandesh Suryakant Gurav



PRINCIPAL

Signature of the Chairperson, IQAC
Nagothane, Dist. Raigad (M.S.)



Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
