



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	KONKAN EDUCATION SOCIETY'S ANANDIBAI PRADHAN SCIENCE COLLEGE
Name of the head of the Institution	Dr. Sandesh Suryakant Gurav
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0219422258281
Mobile no.	8149375082
Registered Email	principalapsc@yahoo.co.in
Alternate Email	sandeshgurav@gmail.com
Address	Bapusaheb Deshpande Educational Complex, Nagothane.
City/Town	Nagothane, Tal.- Roha, Dist.- Raigad
State/UT	Maharashtra
Pincode	402106

2. Institutional Status																															
Affiliated / Constituent			Affiliated																												
Type of Institution			Co-education																												
Location			Rural																												
Financial Status			state																												
Name of the IQAC co-ordinator/Director			Dr. Dinesh Vasant Bhagat																												
Phone no/Alternate Phone no.			02194223699																												
Mobile no.			9960455356																												
Registered Email			bhagat.dinesh72@gmail.com																												
Alternate Email			hfjadhav@gmail.com																												
3. Website Address																															
Web-link of the AQAR: (Previous Academic Year)			http://www.apcnagothane.edu.in/images/AQAR201819.pdf																												
4. Whether Academic Calendar prepared during the year			Yes																												
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.apcnagothane.edu.in/images/cal201920.pdf																												
5. Accreditation Details																															
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>C+</td> <td>62.20</td> <td>2004</td> <td>03-May-2004</td> <td>02-May-2009</td> </tr> <tr> <td>2</td> <td>B</td> <td>2.20</td> <td>2012</td> <td>10-Mar-2012</td> <td>09-Mar-2017</td> </tr> <tr> <td>3</td> <td>B+</td> <td>2.68</td> <td>2017</td> <td>30-Oct-2017</td> <td>29-Oct-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	C+	62.20	2004	03-May-2004	02-May-2009	2	B	2.20	2012	10-Mar-2012	09-Mar-2017	3	B+	2.68	2017	30-Oct-2017	29-Oct-2022
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3	B+	2.68	2017	30-Oct-2017	29-Oct-2022																										
6. Date of Establishment of IQAC			26-Apr-2006																												
7. Internal Quality Assurance System																															
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture																									
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Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
First Meeting of IQAC	10-Jul-2019 1	19
Second Meeting of IQAC	04-Oct-2019 1	19
Third Meeting of IQAC	10-Jan-2020 1	19
Fourth Meeting of IQAC	16-Mar-2020 1	19
Timely submission of AQAR	10-Apr-2015 30	15
Timely submission of AQAR	17-Oct-2016 30	15
Timely submission of AQAR	27-Mar-2017 30	15
Timely submission of AQAR	28-Dec-2018 30	15
Timely submission of AQAR	24-Dec-2019 30	15
Feedback	20-Mar-2020 30	300
View File		

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Chemistry	MRP	Mumbai University	2020 365	160000
Institute	2(f), 12(B)	UGC	2020 1460	32414
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)
1) Research Activity 2) Academic Activities 3) Infrastructure 4) Sports and Games 5) Placements

View File

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
1) To conduct meetings of IQAC periodically	Periodically 4 meetings of IQAC were conducted on 10/7/2019, 4/10/2019, 10/1/2020 and 16/03/2020
2) Perspective plan for academic year 2019-2020	IQAC formulated perspective plan for compressing 25 - 30 academic and developmental activities to be carried out during the academic year 2019-20.
3) Submission of AQAR for academic year 2018-19	Online AQAR (Annual Quality Assurance Report) as per the revised format was submitted to NAAC office in 29th Dec 2020.
4) To fulfil recommendation of NAAC Peer team	Made compliance of the following recommendation suggested by NAAC Peer team. ? ICT including wi-fi facility to be argued ? Digital Library to be established ? Development of Infrastructure is in progress
5) Organization of programme for Alumni. and collection of Alumni Funds.	Meeting of Alumni was organised at Roha and discussion was raised for the following points :- ? Felicitation of Alumni for receiving promotion in job ? To collect Alumni funds for the development of college. In this meeting 5 alumni are felicitated by offering Shawl, Shriphal and buckey. ? Rs.- 30600/- collected from the Alumni in a meeting. 2) Our Alumni Mr. Divesh Bavkar, IT executive Jindal SAW, Ltd. was invited as a resource person in the seminar on "decision making system" to guide 53 students.
6) To submit proposal for the CSR funds from the MIDC Dhatav Industry	CSR fund proposals are submitted to the industries in MIDC Dhatav, Roha for the

	development of College such as ? Sudarshan Chemical Ltd. ? Clarient Chemicals Ltd. ? Roha Dye Chem Ltd. ? Rathi Dye Chem Ltd. ? Vidhi Dye Chem Ltd.				
7) To develop separate website for college library	College has developed a separate web site for Library having URL:- https://s ites.google.com/view/apscnlib/home				
8) To collect feedback from stakeholders for effective functioning of the Institute	Feedback Committee took feedback online on teachers, course and infrastructure. Feedback analysis is taken and implemented for the further improvement of functioning of Institute.				
9) To Organise National and International Level Conferences	Department of Chemistry organised one day National Level web conference on "Green Catalysis and Material Chemistry" on 28th May 2020.				
10) To conduct certificate courses in Water Analysis and Soil Analysis.	Certificate Courses in "water and soil analysis" were conducted with the help of T. Y. B. Sc. Chemistry batch of 30 students for the benefit of neighbouring villages such as Wangani, Warvathane, Wasgaon and Nagothane.				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <thead> <tr> <th>Name of Statutory Body</th><th>Meeting Date</th></tr> </thead> <tbody> <tr> <td>College Development Committee</td><td>26-Feb-2021</td></tr> </tbody> </table>		Name of Statutory Body	Meeting Date	College Development Committee	26-Feb-2021
Name of Statutory Body	Meeting Date				
College Development Committee	26-Feb-2021				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	15-Jan-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	1) Admission - Through this module, the admission process of all UG and PG courses are proceed by filling up online admission forms and offline forms by writing all the academic and other information on this forms. The				

module helps in collecting the information of the academic admissions of all the courses and also helps in making merit list as per the institute and University norms. The Merit Lists are displayed well advanced on Notice board and College website. Students are admitted in the college strictly on Merit list. With this merit list the student are admitted strictly based on merit marks. 2. Examinations - This module takes care of the exam activities in the form of appointment of examiners, collection of the question papers, collection and compilation of continuous evaluation marks, end semester marks and declaration of results using CGPA system. The detailed Timetables and results are displayed on Notice board and college website. 3. Feedback Activities - The information related to feedback and analysis from stockholders such as students, teachers, Alumina , Parents and Employees. 4. Book Acquisition Module SOUL software are used for Library Management System. Such as Book Entry, Barcode, Issue and return of books. 5. INFLIBNET Downloading and online reading of ebooks and ejournals through INFLIBNET - NLIST database. 6. Digital University Portal This portal is use for generation of exam form, enrolment, PRN generation etc. 7. Exam students Track mark Portal - Online exam student attendance reports generation

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Admission-All rules and regulations regarding admission are mentioned in the college admission broucher. In our college, the First-year admission process is started after the declaration of H.S.C results immediately. The admission committee prepares the merit list as per the university and government norms, with this merit list the students are admitted strictly based on merit marks. Similarly, the PG admissions are started after the declaration of T. Y. B. Sc. results. The S.Y.B. Sc. and T.Y.B. Sc. admissions are completed just after the declaration of the result. After completion of all admission of the different classes, the committee also prepares the roll numbers alphabetically.

Examination:-Exam committee takes care of the exam activities in the form of appointment of examiners, collection of the question papers, collection and compilation of continuous evaluation of marks, and declaration of results using

the CGPA system adopted by the parent university. Exams are conducted on behalf of the college for the first two years of the degree course and final year the exam is conducted on behalf of the university for the UG and PG course in the college. This year college conducted first-half exams as an online pattern through Google form by using mobile to students due to the lockdown (because of Covid-19) since March 2019. Administration:-The Principal, Head Clerk of the college, and IQAC of the institute look after the attendance of regular and temporary faculty, which helps in the monthly salary payment of all the employees. They also maintain and follow the all easy and effective official interaction to the college and with the university. Curriculum Activities:-In the beginning of every semester, meeting of each department was organized under the guidance of the Principal, IQAC, and HOD, teaching plan is prepared, the workload is allotted to all faculties and the syllabus is executed as per the norms of the university and it is reflected in the teacher's diary. At the end of every semester head of the entire department takes a meeting regarding the completion of the syllabus as per the allotment or not. Along with the classical method of teaching, we are using the POWER-POINT, Animations, Whats-app, Videos, You-tube videos, Class tests, etc. as ICT tools for effective teaching-learning methods for the students. The college has core committee consisting of IQAC co-ordinator, all H.O.D.'s, Chairperson of various college committees, support services to plan structured schedules of curricular planning and implementation. Attendance:-Institute has a mechanism to record the attendance of theory classes and Practicals for all UG and PG courses. The attendance committee determines the list of students who do not qualify a minimum of 75% attendance for appearing to the examination. Personality Development Programmes:-The institute also has a mechanism regarding the development of student's personality, in which we organize Industrial Visits, excursions, field visits, etc so that it will help the students for their all-round development. Research Activities:-The institute has a mechanism for developing the research culture amongst the students and teaching faculties. Every year students are motivated and participated in Avishkar

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
A certificate course in Water Analysis	-	02/08/2019	30	Helpful to get jobs in Water treatment Plants in industries.	Lab analysis skill

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BCA	Bachelor in Computer Science	20/06/2019
MCA	Master degree in Computer Science	22/06/2020
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting	Programme Specialization	Date of implementation of
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CBCS		CBCS/Elective Course System
BSc	Chemistry	05/06/2019
MSc	Organic Chemistry	05/06/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	30	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Agarbatti Making and Phenyl Making	23/08/2019	50
Preparation of pranws pickle and ayurvedic cosmetics	04/02/2020	48
Tailoring and Dress Designing	10/08/2019	48
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Chemistry	52
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>The IQAC and feedback committee has prepared and collected feedback from stakeholders such as students, teachers, alumni and parents. The basic reason behind the feedback mechanism is to know the perception of stakeholders about the overall development of the college. The data obtained from stakeholder is analysed by the committee and uploaded on the college website. Feedbacks are given to the students at end of the academic year with respect to all the theory and practical courses taught to them during the academic year. It consists of the questions based on the syllabus, completion of syllabus, assessment process, teaching methods, Teachers approach with students, Teaching ability of the teacher, Class control, Use of modern technologies, etc. on five-point scale measurement. This year we have done it by the digital method. Five means excellent and zero means poor performance. All feedback data was collected from Google drive and analysed by the concerned committee. Then the</p>

policy of the committee is that if a teacher gets an average grade of less than 2.0, then he/she is being called by the Principal of the college and is being informed about his or her performance for the particular subjects. The teachers are accordingly instructed by the authorities to improve their performances however, this year all teachers' feedback is having good performance. The employer's feedback suggestion gives us the evaluation parameters such as subject knowledge, attitude, behaviour, regularity, punctuality, maturity, motivation creativity, presentation skills and ability to get along with others. The analysis of this feedback helps the college to improve and reframing the course content and various skill development training. Alumni feedback is conducted whenever an alumni programme such as foundation day, Alumni meet, etc. are organised in the college during the academic year. However, this year we have circulated the feedback link to the alumni on their Whats App and collected the data. The feedback from alumni is drawn evaluating subject knowledge of the programme, level of meeting expectations, the progress of alumni in career after graduation, motivation at college, maturity, social skills, ability to make decisions, ability to manage finance, the impact of training at ICT on personality and presentation skills at the workplace. The feedback from the parents helps the college immensely reorienting the administrative, general ambience, skill development, suitability of the courses for career growth of the ward and personality development of their wards.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc	F. Y. B. Sc.	120	186	109
BSc	F. Y .B. Sc.(Computer Science)	48	4	Nil
BSc	F. Y .B. Sc.(Information Technology))	60	82	54
MSc	M. Sc.Part-I (Organic Chemistry)	20	50	20

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	468	37	24	4	8

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of	Number of	ICT Tools and	Number of ICT	Number of smart	E-resources and
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Teachers on Roll	teachers using ICT (LMS, e-Resources)	resources available	enabled Classrooms	classrooms	techniques used
28	28	88	7	Nil	6
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring of students is conducted by the departments of the institution. Mentoring of students is based on the following objectives: • To increase the teacher-student contact hours • To identify and address the problems faced by slow learners and first-generation learners • To encourage advanced learners • To decrease the student dropout rates • To prepare students for the competitive world Every year, departments individually organize orientation sessions on the class commencement day for students of first semesters and explain the designing and implementation of the mentoring system of the department. In the mentoring process, all necessary information related to the student such as the contact number, email of the student, family income, category, gender etc are initially collected by the department through the student database format provided by the IQAC. Departments maintain the records of class tests/surprise tests, attendance records, records of student seminars etc related to the reviewing of the performance of the students. Departmental teachers maintain interaction with students through individual meetings, social networking sites, and interaction boards of the learning management system. Teachers discuss with parents during parent-teacher meetings and try to identify the problems faced by students and related issues. Time factor is a major constraint of the mentoring system, especially after introduction of the CBCS in 2016. To overcome this constraint, teachers sometimes suggest students to provide the list of difficult questions and problems faced by them while preparing for academic and competitive examinations and then the teachers provide solutions in written form as notes to the students. In some departments, tutorial classes are also organized for students Outcome of the departmental mentoring system in the current year (2019-2020) 1. Significant improvement in the teacher-student relationship has been observed 2. Students have participated in different Co-curricular and Extra-curricular competitions. They have also won prizes in Poster presentations, Essay competitions, Elocution, debates and other similar contests organized by external agencies 4. Students have shown outstanding performance in sports tournaments. College has been declared as Champion in different events of Intercollegiate Zonal and University Level Kabaddi and Water Polo Championship. One Team has been awarded Silver Medal (2019-2020) in Water Polo University Championship. Three of our students have been awarded National Bronze Medal in Water Polo. One of our student have also been awarded National Bronze Medal in Kabaddi for the year 2019-2020

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
505	28	1:18

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
37	28	Nil	14	10

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Dinesh V. Bhagat	Associate Professor	District coordinator, Avishkar research convention, University of Mumbai

2019	Dr. Dinesh V. Bhagat	Associate Professor	Recognised as a Research Guide for Ph. D. (Science) in Subject of Chemistry , University of Mumbai
2019	Dr. S. D. Tupare	Associate Professor	Nominated as member B.O.S. in Chemistry, Dr. Babasaheb Ambedkar Technological University, Lonere
2019	Dr. V.R. Jadhavar	Assistant Professor	Nominated as member B.O.S. in Chemistry ,Dr. Babasaheb Ambedkar Marathawada University, Aurangabad.

[View File](#)

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	1S00141	Semester-I	05/12/2019	01/04/2020
BSc	1S00151	Semester-I	05/12/2019	01/04/2020
BSc	1S00251	Semester-I	05/12/2019	01/04/2020
BSc	1S00142	Semester-II	25/10/2019	23/11/2019
BSc	1S00152	Semester-II	25/10/2019	23/11/2019
BSc	1S00252	Semester-II	25/10/2019	23/11/2019
BSc	1S00143	Semester-III	25/11/2019	23/12/2019
BSc	1S00253	Semester-III	25/11/2019	23/12/2019
BSc	1S00144	Semester-IV	25/10/2019	23/11/2019
BSc	1S00154	Semester-IV	25/10/2019	23/11/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous evaluation has been taken throughout the year by the institution by conducting following evaluation approaches:- ? Regular attendance in the class ? Written/Oral test. ? Interaction ? Question-answer sessions ? Classroom Seminars ? Home assignments ? Power Point Presentations ? Unit Tests ? Group Discussions ? Class Tests ? Projects ? Surprise Tests ? Field Visits ? Tutorials ? Survey ? Viva-voce ? Excursions ? E-test, Online Test, Quiz through Google Forms ? Participation in curricular, co-curricular and extra-curricular activities/ competitions, etc. ? Online examination theory and practical ? Uploading Sample Question bank on College website. ? Uploading study material

on Google classroom. For Continues Internal Evaluation following reforms were undertaken by the college: ? Conducted Certificate Courses. ? Conducted E-test, online tests, Online Quiz Conducted ? Preliminary theory and practical examinations. ? Assigned projects on recent research topics to the students. ? Arranged Essay Writing and Elocution Competitions to evaluate writing and presentation/speech related skills of the students. ? Arranged Surprise Tests, Open Book Tests and Unit Test. ? Allotted Home assignments. ? Organized 'Chem Rangoli and Chem- Poster' competition to test and nurture the subject interest. ? Adopted online evaluation methods through E-test, Online Test, Quiz using Google Forms

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institution is an affiliated college of the University of Mumbai. It prepares its Academic calendar and strictly adheres for Conduct of college examination and other related matters ? Academic Calendar for next academic is prepared by the end of May every year. ? It is a comprehensive plan of all the academic, co-curricular and extracurricular activities. ? It shows academic terms, schedule for admission, meetings of IQAC and various committees, internal evaluation, semester end examination, holidays, working hours of office and library, study tours, annual sports, NSS, NCC and other activities, Youth Festival, celebration of special days and other related academic, curricular and extra-curricular activities. ? In advance it is communicated to the Departments for the effective execution of the planned activities. ? The academic calendar is published in the college prospectus and made available through college website for the information of students and stakeholders. ? College mentions the all details of Academic and Examination related programs in college prospectus. ? The college has well defined mechanisms to conduct CIE as per Academic calendar. ? Internal examination: Internal examination conducted in month of September and January for each semester respectively in Academic calendar. ? Semester examination: As per the schedule prescribed by the University. ? Examination committee conducts the practical and theory examination in month of Oct. - Nov. and March -April for each semester as mentioned in academic calendar. ? Results of college examinations are declared as per the schedule given in the Academic Calendar. ? Detailed schedule of internal, external and practical examination is displayed on notice board in advance for the communication of students.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.apcnaagothane.edu.in/images/program%20outcomes.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1S01124	MSc	Organic Chemistry	17	17	100
1S00156	BSc	Computer Science	10	10	100
1S00256	BSc	Information Technology	47	47	100

1S00146	BSc	Chemistry	110	110	100
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.apcnagothane.edu.in/images/Allfeedback201920.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	365	University of Mumbai	1.6	0

[View File](#)

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Gender equality	Womens development cell	30/11/2019
Celebration of International women's day	Womens development cell	08/03/2020
One day Self protection workshop	Womens development cell	23/07/2019
Lecture on Health and Hygiene	Womens development cell	06/08/2019
Workshop on preparation of Phenyl , Agarbatti	Swamsidhdha Creations, WDC and Department of Chemistry	23/08/2019
Preparation of pranws pickle and ayurvedic cosmetics	Swamsidhdha Creations, Department of Botany and Zoology	10/02/2020
National Conference on Green Catalysis and Material Science	Department of Chemistry	27/05/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
3rd Prize in Elucation Competition	Miss Gharat Krushanali Dattaram	State level Youth Parliament	20/12/2019	State level Youth Parliament
Selected for University round at intercolligiate Avishkar Research	Miss Disha Dighe, Mhatre Nivedita, Tikone Harshali, Gurav Vishakha	Avishkar research convention, University of Mumbai	30/01/2020	Avishkar research Convention, University of Mumbai

Nominated as member B.O.S. in Chemistry	Dr. V.R. Jadhavar	Dr. Babasaheb Ambedkar Marathawada University, Aurangabad.	15/07/2019	Nominated as member B.O.S. in Chemistry
Nominated as member B.O.S. in Chemistry	Dr. S. D. Tupare	Dr. Babasaheb Ambedkar Technological University, Lonere	08/07/2019	Nominated as member B.O.S. in Chemistry
Recognised as a Research Guide for Ph.D. (Science) in Subject of Chemistry	Dr. Dinesh V. Bhagat	University of Mumbai	05/12/2019	Recognised as a Research Guide for Ph.D. (Science) in Subject of Chemistry
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	0	0	Orientation Programme for Avishkar Orientation convention 2020	Organization of lecture on Effective Poster and Oral Presentation by District and college Co-ordinator Avishkar research convention.	19/08/2019
0	0	0	District Level (Raigad Zone- V) Avishkar Research Convention 2019	Participation of 20 students Presented 8 Research projects. 01 project selected for University level.	22/12/2019
0	0	0	University level Avishkar Research Convention 2019	04 students participated and presented 01 Project at University Level.	04/01/2020
0	0	0	Preparation of pranws	Workshop was organised by	04/02/2020

			pickle and ayurvedic cosmetics	the expert Mrs. Shilpa Nikam, from Swayamsidha Creations, Kharghar, Navi Mumbai, 84 students were participated	
0	0	0	Preparation of Phenyl and Agarbatti	Workshop was organised by the expert Mrs. Shilpa Nikam, from Swayamsidha Creations, Kharghar, Navi Mumbai, 84 students were participated	23/08/2019
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	2	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
0	Nil

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Physics	3	4.55
International	Chemistry	7	4.65
International	Zoology	2	6.05
International	Botany	2	6.56
View File			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Chemistry	1
Library	1
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

[illegible]

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Synthesis and characterization of aluminium substituted calcium hexaferriite	V.S, Shinde	Heliyon	2020	1	2	K.E.S. Anandibai Pradhan Science College, Nagothane
View File						

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	6	11	1	2
Presented papers	3	17	Nil	2
View File				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Antitobacco awareness	National Service Scheme	12	100
Plantation	National Service Scheme	6	100
Health Hygiene	National Service Scheme	10	120
Swachh Bharat Abhiyan	National Service Scheme	5	120
HIV- AIDS Poster Exhibition	National Service Scheme	2	40
Blood Donation	National Service Scheme	10	120
Phenyl , Agarbatti making	Women Development Cell	12	50
Celebration of International women's day	Women Development Cell	8	15
Recycled articles	DLLE	3	30
One day Self protection workshop	Women Development Cell	10	100
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Intercollegiate Avishkar Research Convention	Selected for University round	Avishkar research convention, University of Mumbai	4
Elucation competen under State level Youth Parliament	Third Prize	State level Youth Parliament	1
Intercollegiate	Second Prize at	Department of	13

Water polo competition	zonal level	Sports and Gymkhana, University of Mumbai	
Intercollegiate Water polo competition	Third Prize at University Level	Department of Sports and Gymkhana, University of Mumbai	13
Inter-University Water-Polo competition	Third Prize at National Level	Department of Sports and Gymkhana, University of Mumbai	3
Inter-University Kabbadi competition	Selected at National Level from the Kabbadi Team of University of Mumbai	Department of Sports and Gymkhana, University of Mumbai	1
Debit- Group A (Marathi)	Third Prize	DSD, University of Mumbai	2
Debit- Group B (Hindi)	Third Prize	DSD, University of Mumbai	2
Story Writing	Third Prize	DSD, University of Mumbai	2
Skit C	First Prize	DSD, University of Mumbai	6
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
National Conference	University of Mumbai and S.A. I. College, dombiwali , Thane	National level conference on nss activities	2	Nill
University of Mumbai	Sport	InterUniversity Waterpolo tournament	1	3
Higher Education	Saint G. B. Uni. Amaravati	State evel Prerna Leadership Camp	Nill	1
DWS, University of Mumbai	Science Association	Avishakar Convention	3	6
DLLE, University Department	DLLE	UDAAN FESTIVAL	3	20
Government	NSS Women Development Cell	Gender Issue-Savitribai Phule Jayanti	10	50

Govement	Save Energy	awareness campaign on Save Energy through PCRA	4	83
Government	National Service Service	Ekta Daud – Run for Unity	4	42
Government	National Service Scheme	Fit India Campaign	12	225
Government	National Service Scheme	Yoga Day	10	35
View File				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Faculty Exchange- Examination	3	Institute	3
Faculty Exchange- Guest Lecture	5	Institute	10
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Field Visit for the project work	Study of functioning of Saving Group from Rural area	Visit to 7 different Mahila Bahat Groups at Warvathane	18/03/2020	18/03/2020	36
Field Visit for the project work	To study the health care Education empowering Womens Adiwashi Employment generation and relief	Visit to Yousuf Meharali centre Panvel, District Raigad	29/12/2020	29/12/2020	01
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
--------------	--------------------	--------------------	---

KES, Amarchand Jethmal Jain Primary School, Nagothane.	01/01/2020	To distribute educational material to the needy students (std. 1 to std. 4) Celebration of Women day :- Distribution of study material and felicitation of girl students	165
Rathi Dye Limited	02/03/2020	To organize campus interview for selection of trainee students	5
Institute of Petrochemical Engineering, Lonere.Tal. Mangaon Dist. Raigad	01/01/2020	To conduct Save energy activities. To motivate villager for use of CFL bulb	87
KES, Dr. C. D. Deshmukh Arts Commerse College, Roha Dist. Raigad	15/06/2019	Sharing of academic cocurriculum activities, Research, Case study etc.	5
Primary Health Club, Nagothane, Tal Roha Dist. Raigad	03/03/2020	To organize blood testing camp, awareness lecture, blood donation camp cleaniness drive.	53
Reliance Medical Unit, Nagothane	03/03/2020	To organize awareness lecture, Blood testing against HIV- AIDS,	105
Sudarshan chemical Industries Roha	02/03/2020	To organize campus interview for selection of trainee students To Organise Industrial Visit	34
Clariant Chemical Industries	02/03/2020	To organize campus interview for selection of trainee students To submit the proposal of CSR funds for college development To Organise Industrial Visit	55
Supreme Petrochemical Industry, Nagothane	03/03/2020	To organize lecture by Industrial experts	37

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2800000	2750000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Class rooms	Existing
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL	Partially	2.0	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	2482	303120	15	1000	2497	304120
Reference Books	5909	1825888	29	64790	5938	1890678
Journals	31	41441	Nill	Nill	31	41441
Digital Database	1	5725	Nill	Nill	1	5725
CD & Video	165	Nill	6	Nill	171	Nill
Library Automation	5909	1825888	29	64790	5938	1890678
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
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NIL	Nil	Nil	Nil
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	54	46	0	0	0	4	4	4	0
Added	3	3	0	0	0	0	0	0	0
Total	57	49	0	0	0	4	4	4	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

4 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
National Conference of Green Catalyst- APSCN College, Nagothane	https://youtu.be/fEDMIG64z6E
TY BSc Drugs and Dyes Estimation and Anticid Practice – Dr. Vilas Jadhavar	https://youtu.be/5AnWanrEYOE
T Y BSc Sem V Drugs and Dyes Practical	https://youtu.be/ZrW3OLDqjow
T.Y.B.Sc Drugs and Dyes Practical Theoretical explanation of Estimation of Antacids (Sem V).	https://youtu.be/1hVsHyL9yNk
Thesis and dissertation repositories- Hemant F Jadhav , Librarian	https://youtu.be/xIcZ3eIfhwq
Inorganic Preparation – Mr. Jayesh V Patil	https://youtu.be/P4PuAHrqD_8
Quantitative analysis- Mr. Jayesh V Patil	https://youtu.be/rpRkPgAOo6M
Quantitative Analysis – Mr. Jayesh V Patil	https://youtu.be/X4sFAyZrPFw
T Y B Sc Practical Preparation of Aspirin from salicylic acid.- Dr. Shrikrishna D Tupare	https://youtu.be/_r73NFB_XcU

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1025000	362311	114000	35646

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory,

library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Procedures and policies for maintaining and utilizing physical, academic and support facilities:- Institute follows optimum utilization of the existing infrastructure for curricular, co-curricular and extracurricular activities A. Laboratory:- • Maintenance records of account is maintained by lab technicians and supervised by HODs of the concerned departments. • The calibration, repairing and maintenance of sophisticated lab equipments are done by the technicians of related owner enterprises. • The microscopes used for biological and geological experiments are annually cleaned and maintained by the concerned departments and record of maintenance is maintained by lab technicians and supervised by HODs of the concerned departments. • There is a prior provision of disposal of waste of all types such as solid and liquid waste as well as e-waste. B. Library:- • The requirement and list of books is taken from the concerned departments and HoDs are involved in the process. The finalized list of required books is duly approved and signed by the Principal • Library orientation program has been conducted starting of academic year for introducing Library print and electronic collections of Library • Promote to use of E-books and E-journals library has subscribe INFLIBNET-NLIST database • The proper account of visitors (students and staff) on daily basis is maintained. • Other issues such as weeding out of old titles, schedule of issue/ return of books etc are chalked out / resolved by the CDC Library Committee C. Sports:- • College has provided Indoor and Outdoor games facilities to the students. • College has allocated separate budgets for sports. • College has promoted students to participated in Zonal level, University level and national level Sports. D. Computer:- • College has establish separate computer laboratory for Computer Science and Information Technology course students • College has provided computer centre in library for all students. • Computer Maintenance through Omkar Enterprises is done regularly. • Non repairable systems are disposal off through the maintenance and repairs committee. E. Classrooms:- • The CDC has continuously worked for the maintenance and upkeep of infrastructure. • College has provided well equipped and ICT based classrooms

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

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Financial support from institution	19	14930
Financial Support from Other Sources			
a) National	GOI Scholrship	34	150717
b)International	Nill	Nill	Nill

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
one day self protection(Karate	23/07/2019	50	Super Dimond Martial art

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Opportunities through Tata Institute of Social Sciences	Nil	Nil	Nil	Nil
2019	Competitive Examinations- Preparation of Preliminary Examinations of Staff selection commission exam, Banking, M.P.S.C./U.P.S.C	Nil	25	Nil	15
2019	Career opportunities after graduation of IT	25	Nil	Nil	5

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
NIL	Nil	Nil	Sudarshan Chemical Industries Ltd. Dhatav, Roha, Privi	39	17

Organic
Private Ltd.
Dhatav Roha
and
Quilignance P
harmaceutica
ls Limited
Khopoli

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	18	B.Sc. Chemistry	Chemistry	K.E.S. Anandibai Pradhan Science College, Nagothane	M.Sc. (Organic Chemistry)

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	Nill
SET	Nill
SLET	Nill
GATE	Nill
GMAT	Nill
CAT	Nill
GRE	Nill
TOFEL	Nill
Civil Services	Nill

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Cricket men	College	11
Cricket women	College	9
Dotch ball	College	11
Kabaddi women	College	9
Kabaddi men	College	11
Running	College	15
Shot put	College	6
Carrom	College	11

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Bronze Medal	National	1	Nil	904	Bhoir Saurabh Raghunath M.Sc.Part-I
2019	Bronze Medal	National	1	Nil	333	Shinde Premraj Rohidas T.Y.B.Sc
2019	Bronze Medal	National	1	Nil	161	Bhoir Siddesh Mahadev S.Y.B.Sc.
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The activity of student council:- At the time of admission, they council the fresher. They assist to arrange annul sports. They assist to arrange annual cultural programme. They help to organize an industrial visits. To promote the interest of the student in administration To identify and solve problems encountered in the institute.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

58

5.4.3 – Alumni contribution during the year (in Rupees) :

30600

5.4.4 – Meetings/activities organized by Alumni Association :

Meetings of the alumni association during the year 2019-20:- • IQAC conduct the meeting with Alumni for the purpose of interaction, felicitation and collection of alumni funds for the development of college on 19/02/2020. • Meeting of Alumni was organized on 08/03/2020 at Roha and discussion was raised to collect Alumni funds for the development of college. In this meeting 5 alumni are felicitated by offering Shawl, Shriphal and buckey. • Meeting of Alumni was organized at Roha where funds of Rs. - 30,600/- collected from the Alumni. • Interactive session of Alumni Mr Divesh Bavkar, IT executive Jindal SAW, Ltd. was organized on the topic " decision making system" on 18/01/2020. The session was beneficial to the 53 students of B.Sc. (IT). • Programme of get-together including cultural programmes, social awareness programmes, celebration of special days was organised on 26/01/2020.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Principal of our Institute believes in delegation of authority and decentralization. Accordingly, the governing system of the institution prefers decision making in democratic, participative and decentralized manner. The Principal, IQAC coordinator, HOD's and Senior Professors are responsible for the academic and administrative leadership of the college. The college has been always in favour of participation of faculty, administrative and non teaching staff and the representative from students, alumni, industry, local society, in general administration of college. All of them encourage contributing in terms of their ideas, suggestions and recommendations towards the development of better work culture of institution. Following are the practices:-

A) Department level decentralization: - The Principal appoints Head of departments for effective functioning of the college. The HOD's and Teacher In-charge are involved in participative management through the roles assigned to them. HOD's look after the duties of respective faculty and departmental activities. He monitors overall development of the respective class. Therefore, the departments enjoy autonomy operations in respect of academic planning and day to day planning. The activities are planned and executed at the departmental level and for this inter departmental cooperation is always welcome and appreciated by the principal and the head of the department.

B) Statutory and Non-statutory college committees:- Statutory and Non-statutory are formed at the beginning of the academic year. All the faculties are given responsibilities as a part of participative management. The faculty of the concerned committee helps the management to conduct institutional activities. This committee consists of teachers and student volunteers as a member, this helps to groom leadership among faculty members as well as students. The College conducts various programs and activities for faculty and students at two levels:-

? Academic Level: - The faculty members have freedom to select or purchase the required books and also to plan teaching, learning, evaluation and designing co-curricular, extra-curricular activities to support programme requirements and overall development of students.

? Non-Academic Level :- Individual teacher being a member or the In-charge of the various committees takes active part in the various events such as university or annual sports, youth festival like Utsav, Avishkar research convention, various competitions organized by Konkan Education Society. Thus, the above structure of governance indicates high degree of participation of students, teachers and members of Governing body in maintaining culture of participative management.

C) Involvement of senior faculty in decision making process:- The senior faculty of the college play important role in the decision making process of the college. The Principal invites suggestions of the senior faculty regarding academic and administrative policies for effective functioning of the college. Most of the senior faculty is included in College Co-ordination Committee, College Development Committee, IQAC and other statutory and non-statutory committees.

D) Participation of stakeholders in institutional activities:- The college promotes participation of all its stakeholders such as students, faculty, administrative staff, support staff, parents, alumni, employers, well-wishers, etc. for the effective functioning of the college. All the activities of the college are conducted with their cordial support.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	<p>? Appointment and Involvement of faculty in the framing of the syllabus:-</p> <ul style="list-style-type: none"> • Appointment of faculty as a member of Syllabus Committee, Board of Studies of • University of Mumbai. • Dr. Babasahaheb Ambedkar Technological University, Lonere, • Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. <p>? Framing syllabus of certificate course of Institute by the faculty.</p> <p>? Involvement of industrialist and academicians in framing curriculum of certificate course of college.</p> <p>? Collection of feedback from stakeholders on curriculum.</p> <p>? Involvement of faculty in course restructuring and revision of committees constituted by the University bodies.</p> <p>? Participation of faculty in various Faculty Development Programmes.</p>
Teaching and Learning	<p>Mentoring of students is conducted by the departments of the institution based on the following objectives:-</p> <ul style="list-style-type: none"> ? To increase the teacher student contact hours. ? To identify and address the problems faced by slow learners and advanced learners. ? To decrease the student dropout rates. ? To prepare students for the competitive World. <p>? Departments individually organize orientation sessions for first year students.</p> <p>? For mentoring process, all necessary information related to the student such as the contact number, email of the student, family income, category, gender etc., is collected.</p>
Examination and Evaluation	<p>The Examination Committee is responsible for the effective conduct of examination and evaluation process. It is constituted by Sr. Faculty members of the college.</p> <p>? Implementation of Semester Based Credit and Grading System</p> <p>? Continuous Internal Evaluation of students</p> <p>? Unfair Means Committee to prevent malpractices in examinations</p> <p>? Central Assessment Process for evaluation of answer books</p> <p>? Transmission of question papers digitally</p> <p>? Arrangement of Preliminary Examination by each department for final year students</p>
Research and Development	<p>? College research committee motivates students to participate in</p>

research activity such as Avishkar and Indian Youth Science Congress conducted by Mumbai University and to undergo research projects. ? Committee motivates the faculties to submit and undergo MRP under University of Mumbai, DST, UGC etc., ? Teachers and students are encouraged to attending conferences, seminars, workshops, etc. ? Duty leave is offered to the faculty and financial support is given to all. ? Teachers are encourages to pursue M. Phil. /Ph.D./Post Doctoral degree in respective subjects. ? Three teachers has got reorganization as a Ph.D. Guide of Mumbai University.

Library, ICT and Physical Infrastructure / Instrumentation

? Institute has a spacious central Library which has facility to access the books, journals, e-books, e-journals, etc. via OPAC, N-list INFLIBNET sites. ? It includes development of a separate Reference Section. ? It has a Reprographic as well as Internet facility ? Stack room for bound volumes. ? Separate reference section for faculty research scholars and PG students. ? 9 Daily Newspapers in different languages and reading stands for staff and students. ? Reading Room facility. ? Extra borrowers card for meritorious students ? LCD projectors and internet connectivity to all departments ? Open access to PG students ? ICT teaching, learning and evaluation.

Human Resource Management

? Recruitment of qualified teachers in compliance with UGC, University, and State Govt. rules. ? Professional Development Programmes for faculty and non-teaching staff. ? Motivation and support for faculty improvement through refresher Course, Orientation Course/ summer camp, etc. ? API Mechanism for each faculty as per the norms of UGC and University. ? Regular performance appraisal of teaching and non-teaching staff. ? Faculty and Staff are encouraged to participate in self-development programmes. ? Financial support to faculty to attend seminars and conferences.

Industry Interaction / Collaboration

? The college develops interaction with industry to bridge the gap between theory and practice and grab different job opportunities to its students available in the nearby industry. ? Signed 09 MOU's with industries in MIDC

	<p>Roha. ? Industry authorities on various committees of the college especially on IQAC. o Arrangement of on and off campus interviews. o Arrangement of on job training programmes. ? Arrangement of Lectures by industry experts and domain experts. ? Arrangement of field and industry visits of students as a part of learning and internal evaluation</p>
Admission of Students	<p>? Admission process as per the rules and regulations of University of Mumbai. ? Guidance by the admission committee and faculty to students at the time of admissions. ? Digital College Committee to assist students to fill up online registration forms during admission process. ? Provision of payment of admission fees in installments. ? The college has constituted Admission Committee as per the directives of University of Mumbai. ? The committee is entrusted with the responsibility of monitoring the admission process for all classes of UG and PG.</p>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<p>e-governance is adopted by the institution has for smooth and speedy work of academic and administrative work of the college e-governance system is worked through:- ? Correspondence in terms of emails ? Online submission of proposals to different bodies/funding agencies</p>
Administration	<p>The Institution uses emails, SMS, and electronic media for administration. The technology can be used right from student administration to resource administration in an educational institution, where administrative subsystems include personnel, student, resources, financial, and general administration. The concept of integration of the examination system will bring in scalable, transparent, and vigorous e-governance solutions as the examination system can be put under a single portal system.</p>
Finance and Accounts	<p>The College follows "HTE SEVARTH PRANALI" for Staff salary, income tax deductions, PF/ DCPS deductions, LIC premiums, College accounts. Among the benefits are a streamlined system and</p>

	procedure for collection and payment of examination fees
Student Admission and Support	<p>? There is a separate Admission Committee to monitor online admission process as per the university schedule.</p> <p>? The institute follows the online admission process as University of Mumbai adopted online admission process in the year 2016-2017. ? It is mandatory for first year students of UG and PG level programmers to register online on university portal "mum.digitaluniversity.ac". ? Department of Information Technology and Digital College Committee support students to enroll for the same. ? There is a separate Admission Committee to monitor online admission process as per the university schedule.</p>
Examination	<p>College has examination committee to monitor all the heads of college/University. It has separate examination Hall which assembles with all necessary facilities. ? Computerization of Examination Section with internet facility. ? Availability of Strong Room for online Digital Exam Paper Delivery System. ? Online "TRACMARKS" Marking Scheme for assessment of answer books. Online Submission of examination forms ? online generation of Hall Tickets of the candidates through digital portal of University of Mumbai</p>

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Dr. S. D. Tupare	One Day national Conference on Green catalysis and Material Chemistry.	K.E.S. A.P.Sci. College, Nagothane	Nill
2020	Dr. V. R. Jadhavar	Impact of COVID-19 Pandemic on Micro, Small, and Medium Enterprizes and Social Structure	K.E.S. A.P.Sci. College, Nagothane	Nill

2020	Dr. V. R. Jadhavar	CASI MAHA Model United Nations 2020	K.E.S. A.P.Sci. College, Nagothane	700
2019	Dr. V. R. Jadhavar	Two days National Workshop on E-Content Development for Effective Teaching,	K.E.S. A.P.Sci. College, Nagothane	1000
2020	Dr. D. V. Bhagat	National Conference on Multidisciplinary Research Practices.	K.E.S. A.P.Sci. College, Nagothane	1000
2020	Dr. D. V. Bhagat	NSS- Its Role in Social Awakening National Development	K.E.S. A.P.Sci. College, Nagothane	1000
2020	Dr. D. V. Bhagat Dr. D. V. Bhagat	One day National Conference on New Dimensions of Chemistry (ND C-2020),	K.E.S. A.P.Sci. College, Nagothane	1000
2019	Dr. D. V. Bhagat	Indian Council of Chemists National Conference	K.E.S. A.P.Sci. College, Nagothane	1000
2019	Dr. D. V. Bhagat	Recent Trends In Science	K.E.S. A.P.Sci. College, Nagothane	2000
2019	Dr. D. V. Bhagat	Recent trends in Chemistry	K.E.S. A.P.Sci. College, Nagothane	1000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Laboratory Safety and	Laboratory Safety and	19/12/2019	19/12/2019	12	5

	measures training programme	measures training programme				
2020	One day workshop on energy conservati on and save elect ricity	One day workshop on energy conservati on and save elect ricity	13/01/2020	13/01/2020	5	10
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP	1	25/05/2020	31/05/2020	7
FDP	1	20/02/2020	29/02/2020	10
Refresher course in library and information science	1	17/09/2019	07/10/2020	21
Refresher course in nano physics and electronics (core)	1	29/08/2019	11/09/2019	14
Short Term Course in Diaster Management	2	09/12/2019	15/12/2019	7
Managing Online Classes and co-creating MOOCS :1.0 (FDP)	1	20/04/2020	06/05/2020	14
Managing Online Classes and co-creating MOOCS :2.0 (FDP)	5	18/05/2020	03/06/2020	14
HRDC -UGC sponsored FDP Course in Online one week workshop on MOOC, e- content Development and OPR (Open Educational	1	29/04/2020	04/05/2020	7

resource)				
One week Faculty development program on Moodle Learning Mangement System	1	07/05/2020	12/05/2020	7
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	10	Nill	3

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Institute administration office looks after General Provident Fund, Gratuity and Defined Contributory Pension Scheme for the benefit of staff • Institute administration actively pursues for approval, promotions, placements and pensions • Facility of Patpedhi Sevak welfare fund • Felicitation of staff member on superannuation Admission to the wards of teaching and nonteaching staff • Felicitation of staff members at the time of annual Prize distribution function • Organisation of Medical checkup camp</p>	<p>College administration looks after General Provident Fund, Gratuity and Defined Contributory Pension Scheme for the benefit of staff • College administration actively pursues for approval, promotions, placements and pensions • Staff welfare fund • Facility of group medical insurance • Membership of Cooperative bank • Felicitation of nonteaching staff at the time of annual Prize distribution function • Organisation of Medical checkup camp</p>	<p>Scholarships • Payment of Admission fees in instalments • Bus Concession Pass facility of State Transport Service on college campus. Students' Aid Fund for the provision of financial assistance to needy students. • Health Insurance Scheme for all students • TA and DA to students representing the college in various competitions</p>

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

<p>Internal audit: Institute conducts local audits per semester and annual audit through external auditor. These audits are conducted as per the govt. rule. External Audit by Govt.: External Audit of the college is carried out by the government agencies like Accounts General (AG) and Account Officer, Higher Education, Government of Maharashtra.</p>

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Funds collected from	280600	Development of college

faculty, alumni and well wishers

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6.4.3 – Total corpus fund generated

160000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Local Inquiry Committee, University of Mumbai	Yes	IQAC
Administrative	Yes	Local Inquiry Committee, University of Mumbai	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

• Celebration of Yoga Day: - 21/06/2019 • Tree Plantation Programme on: - 15/08/2019 • Organization of Sports Competition of Alumni on 27/01/2020 • Organization of Blood Donation Camp with involvement of Alumni:- 29/01/2020

6.5.3 – Development programmes for support staff (at least three)

Workshop on Laboratory safety measures: - 19/12/2019 Workshop on soft skill development: - 16/09/2019 Workshop on energy conservation, save electricity: - 13/01/2020

6.5.4 – Post Accreditation initiative(s) (mention at least three)

To enhance infrastructure facilities by constructing new building. • To Organise National Conference/Workshop. • Signed MOU's with Chemical and Pharmaceutical Industries to promote Entrepreneurship Development Cell related activities and placements of students respectively. Also sign MOU with PHC for medical Support. • To enhance research culture and activity. • Participation in NIRF • Organisation of University level sports, cultural and Avishkar Research competition.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	First Meeting of IQAC conducted	10/07/2019	10/07/2019	10/07/2019	19

2019	Second Meeting of IQAC conducted	04/10/2019	04/10/2019	04/10/2019	19
2020	Third Meeting of IQAC conducted	10/01/2020	10/01/2020	10/01/2020	19
2020	Fourth Meeting of IQAC conducted	16/03/2020	16/03/2020	16/03/2020	19
2019	Timely submission of AQAR (2018-19)	24/12/2019	24/12/2019	24/12/2019	19
2020	Feedback and Analysis	03/03/2020	03/03/2020	30/03/2020	300
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
One day Self protection workshop	23/07/2019	23/07/2019	50	Nill
Lecture on Health and Hygiene	06/08/2019	06/08/2019	60	Nill
Courses offered by Women development cell -Phenyl , Agarbatti making	23/08/2019	23/08/2019	50	Nill
Celebration of Balika din	03/01/2020	03/01/2020	100	50
Celebration of International women's day	08/03/2020	08/03/2020	15	Nill
Celebration of constitution Day	26/11/2019	26/11/2019	48	58
Teachers Day Celebration	05/09/2019	05/09/2019	48	68

International Yoga Day	21/06/2019	21/06/2019	58	69
Celebration of Raksha Bandhan	26/08/2019	26/08/2019	42	56

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>Energy Conservation:- Buildings of the institute are well ventilated with glass windows to maximize natural air conditioning and lighting. It helps in conservation of electricity. The institute has installed CFLs and LED bulbs to save electricity and corresponding light bill. The precaution is taken that the lights and fans are switched off by peons, staff and students after engaging of the classes so that the use of electricity can be minimized. The computers in the Principal's office, library, college office, different departments have LCD monitors to reduce the usage of electricity. Thus, the students and staff are sensitized and made sensible for energy conservation. The workshop for Mahila Bachat group Warvathane on energy conservation and save electricity was organized on 18/01/2020. Dr. Nitin Lingayat Head Dept. of Electrical engineering, IOPE Lonere was invited as a resource person. In all 38 members representing 7 different Mahila Bachat groups were present to enjoy the workshop.</p> <p>Green Practices:- Students, staff uses Public transport. State Transport buses pick students from different villages and some urban area such as Roha, Kolad, Amdoshi, Khamb, Pui, Bense, Shihu, Palkhar etc. saving the expense of individual transport. The campus was landscaped and planted with different plants from the beginning of college. Thus the fully grown trees provide adequate green cover and reduce greenhouse gases. Beautiful green scenery around the institute always reminds the prosperity. Herbal Garden and Botanical Garden in the institute campus is maintained by the students. Other than this, the institution organizes tree plantation activities within the campus and on the lands in NSS adopted area.</p> <p>Rain water harvesting:- In chemistry laboratory rain water is collected and stored and is utilized for experiments throughout the year. The rain water during the rainy season is charged in to the well located in the backside college campus. Trees and lawns are maintained by watering provided by this well and water waste is also used for gardening.</p> <p>Steps involved in waste management:-</p> <ol style="list-style-type: none"> 1) Solid waste management: <ul style="list-style-type: none"> - For the collection of waste from college premises Dust Bins are provided at sides such as Office, Laboratory, Library, Class room, corridors etc., The campus waste is disposed time to time in an eco friendly manner without polluting College and the environment. Dry waste is collected regular interval with the help of non-teaching staff and disposed at the end of day. Paper waste is shredded and sold to licensed purchasers of K.E.S. Alibag. There is a provision of 5 soak pits of size 10 x 5 x 3 (5 Pits) which generate adequate fertilizer for the campus. NSS volunteers have been actively conducted cleanliness campaign in the college campus under 'Swachha Bharat Abhiyan', India's biggest cleanliness drive. In addition to this WDC, NSS organized Post

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	No	Nil

Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	29/01/2020	1	Blood Donation	Health	150
2020	1	1	21/03/2020	1	Janata Curfew Pledge	Health	75
2020	1	1	18/04/2020	1	Arogya Setu app awareness	Health	160
2020	2	2	03/05/2020	1	Distribution of Mask	Health	150
2020	1	1	25/01/2020	1	Voter awareness Programme	Right to Voter Awareness	15
2019	1	1	27/08/2019	1	Blood Testing for HIV	AIDS awareness Programme	48
2019	1	1	15/09/2019	7	Swacha Bharat Abhiyan	Cleanliness	100
2019	1	2	07/11/2019	1	Anti-Tobacco awareness	Anti-Tobacco awareness	100
2019	1	1	27/08/2019	1	Plantation	Environmental	100
2019	1	1	19/01/2020	1	Road safety Street Play	Health	25

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
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College Prospectus and Hand Book for students	01/05/2019	The prospectus is published each year to provide information about code of conduct for students, programmes offered, admission process, credit grading and semester system, extension activities and support services, welfare schemes, fees structure and academic calendar. The prospectus of College gives information about courses offered for undergraduate and post graduate level. Hand Books provided to the students also provides information about the code of conduct for students to maintain discipline and effective functioning of the institution.
Academic and Administrative Committees	13/06/2019	Academic and administrative committees constituted at the beginning of each year assigns responsibilities to the faculty and code of conduct for smooth functioning of the college.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2019	21/06/2019	35
Street play on Swachha Bharat Abhiyan	15/08/2019	15/08/2019	30
Plastic awareness Rally	02/10/2019	02/10/2019	76
National Unity Day	31/10/2019	31/10/2019	45
Constitutional Day	26/11/2019	26/11/2019	75
Savitribai Phule Jayanti	03/01/2020	03/01/2020	60
Shivaji Maharaj Jayanti	19/02/2020	19/02/2020	50
K.E.S. Foundation Day	18/12/2019	18/12/2019	120

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Use of Renewable Energy Since our Institute is located on the top of the hill, sunlight is available for the whole day, and hence we are trying to make use of this natural resource as a renewable energy source for the campus. 2) Water harvesting: - In chemistry laboratory rain water is collected and stored and is utilized for experiments throughout the year. 3) Efforts for Carbon Neutrality:- a) LPG is used in Chemistry laboratory. LPG is ecofriendly fuel. b) Chemistry laboratory uses combination of electricity and LPG energy to neutralize carbon. LPG is used for heating the test tubes and heating of allied glassware's as and when needed to meet the need of light energy. In Biofertilizers the degradable garbage, leaves and other wastages are used as a natural resources of fertilizer for the plantation which prevent production of carbon as they are not burnt. Thus, the institute works on every aspect to maintain carbon neutrality. 4) Plantation:- Beautiful green scenery around the institute always reminds the prosperity. Herbal Garden and Botanical Garden in the institute campus is maintained by the students. Other than this, the institution organizes tree plantation activities within the campus and on the lands in NSS adopted area. 5) Hazardous Waste Management:- The institution has dug waste pits scientifically by using bricks, small stones, sands, etc. through which hazardous waste are disposed after filtration. The utmost care is taken so that drain of hazardous waste is minimal in our institution. Mild reagents, Chemicals, solvents are mostly used wherever possible to regular Chemistry Practical. 6) E-Waste Management:- E-waste arises from computers and other modern electronic mediums. The rate of e-garbage is minimal in our institution. Few of the outdated computers are sent for recycling through private agency by following the proper right off procedure

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-1 Title of the Practice: - 'Women empowerment and gender sensitivity in community' Aim: - Maintaining and strengthening the status of Women. Objectives:- ? Spreading awareness among the students about the social, legal and constitutional rights of women in order to prevent the exploitation based on gender. ? To provide for dialogue, discussion, and deliberation on woman's rights and gender related issues. ? To encourage participation from NGO's and law enforcement agencies in this area. ? To review safety and security measures for female employees and girl students in the college campus. ? To encourage female students to be self-reliant and economically independent ? To produce equal career opportunities to all the genders. ? To increase the strength of girl students in the institute. ? To increase physical strength through Karate Self-defence technique ? To promote research in improving woman status. ? To empower the girl students and ladies staff members of the college and make them stand firmly in their lives. ? To encourage girl students to adopt self-employment by acquiring required skills through Skill Based Short-Term Courses run by the college so as to develop multidisciplinary approach for the overall personality development. ? To make all the girl students aware of health, hygiene and care to be taken. ? To organize events and activities for women empowerment. ? To create an environment that will help women realize their full potential and give their best. The Practices: The college has separate Women Development Cell along with the statutory committees such as Anti-ragging Committee and Anti-Sexual Harassment Committee for the effective planning and execution of the practice. This cell encourages the girl students for their overall development and active involvement in different activities in the college. Women empowerment and Gender Sensitivity include following components:- ? Safety of girl students on and off the college campus ?

Awareness about Health and Hygiene. ? Celebration of International Women Day. ? To organize lecture on Gender Equity. ? College offers Skill based short term courses for girl students. ? Participation of girl students in Research Projects, Sports, NSS, DLLE, Cultural, etc. ? Awareness about the special provisions made by law. ? To Provide redressed mechanism for the grievance or compliance for the girls. Evidence of Success:- It is matter of pride that the efforts of Women Development Cell gave fruitful results and brought success stories for institution such as: ? The admission of girl students increased in the institute. The Total student count of the college is 505 in the year 2019-20. Out of these, male count is 222 and Female count is 283. There are 18 girls students doing their Post Graduation in chemistry. ? Avishkar Research Project entitled "Chemical investigation and screening of phyto chemicals of folk medicine Bhamburda (Blumea Lacera) to cure dermal diseases" presented by student Miss Disha Dighe, Nivedita Mhatre, Vishakha Gurav, Harshali Tikone (All T. Y. B.Sc. girls) and guided by teacher Miss. Chaitrali Patil awarded by prize at district level was also selected till ppt round at university level for the year 2019-20. The competition was held by Vishwaniketan institute of Management and Engineering, Khalapur on 22/12/2019 and K. C. College Churchgate on 04/1/2020. Science Association In-charge Dr. (Mrs.) Smita T. Morbale motivated the team of students and teacher guide to complete the project. This success belongs to Team of Women. ? Miss Krushnali Dattaram Gharat student from T. Y. B. Sc. Chemistry achieved third rank at district level in Youth Parliament Competition. ? Parents give first preference to our institution for the admission of their wards. ? The girls are motivated to join police force and also to pursue higher education. ? Women-friendly campus and supportive learning environment is established. ? The facility of Sanitary Napkins Vending Machine is being used and appreciated by girls. The purpose is to promote safe and hygienic- sanitary practices among women and girls. ? Faith has been created among parents about safe and secured atmosphere of college campus. ? Student council has large representation by girl students. ? Ragging, Eve teasing/harassment is reduced completely in the premises. ? Offenders are punished from time to time. Now-days, it has been found that girl students are in the merit of academics and co-curricular activities. Best Practice 2 Title of the Practice: - Promotion of Research Culture Aim: To motivate students and faculties to enhance research activates for the benefit of community. Objectives:- ? To enhance research among students and teacher of the Institution ? Encouragement for quality publications ? To facilitate community oriented project through outreach programmes. ? To motivate faculty to supervise their research scholars towards the minor research project. ? To encourage research scholar to organize / participate in seminars and conferences to unfold new areas of research ? To encourage the teachers to upgrade their qualification in form of M. Phil. /Ph.D./Post Doctoral degree in respective subjects. ? To encourage the teachers to acquire recognition as research guides from University and to start Ph.D. programme in respective subjects. ? To upgrade the library facilities toward research and development. ? To motivate students to undertake value added projects. The Practice:- The following practices are taken up by the institute for promotion of research among student, teachers and community:- 1) IQAC and Science association committee publishes science bulletin "Prerana" and organises project exhibition, research poster competition, rangoli exhibition etc., 2) Rangoli exhibition on Green chemistry, Global warming and AIDS awareness has been organized as a social issue. 3) In the beginning of the academic year orientation programme for the students is organized to motivate them for research competition and projects. 4) Research committee conducts orientation programme for the teachers to encourage them for undertaking MRP's under University of Mumbai, DST, UGC etc., 5) Teachers and students are encouraged to publish their research article in National/ International Journal of high impact factor. 6) They are further encouraged to attend conferences, seminars,

workshops, etc., 7) As a result of this faculty of institution has got reorganization as a teacher to guide Ph.D., M.Sc. by research and M. Sc. by papers under University of Mumbai. 8) From last three years Dr. D.V. Bhagat has been nominated as a District coordinator for Avishkar research convention conducted by University of Mumbai. Evidence of Success:- It is matter of pride that the efforts of IQAC and research committee gave fruitful results and brought success stories for institution such as:- IQAC and Science association committee organizes research poster presentation of PG students in the premises which is open for UG students, Junior college students. Department of Chemistry and NSS organizes Rangoli exhibition on Green chemistry, Global warming and AIDS awareness. In the beginning of the academic year orientation programme for the students is organized to motivate them for research competition such as Avishkar research convention, National Youth congress under University of Mumbai. Research committee conducts orientation course for the research scholars so that they could undergo MRP. This year 20 students participated at zonal competition organised by Vishwaniketan Engineering College, Khalapur. 8 projects were presented and one project was selected for the University round. Department of science streams has submitted research proposals to the funding agencies such as UGC, DST and University of Mumbai. Out of that 4 research projects are sanctioned for Department of Chemistry at the outlay of Rs. 1, 60, 000/- by University of Mumbai. Teachers and students are encouraged to publish their research article in National/ International Journal of high impact factor and to attend conferences, seminars, workshops, etc., Faculties have published 17 research papers in National/International Journals. Out of that 3 papers published in web of science and Scopus indexed journals and remaining papers are published in UGC care listed and peer reviewed journals. With this inspiration of faculties, they visited and presented 47 papers in National/International conferences. Proposals for University recognition for degree of Ph.D., M.Sc. (by research), M.Sc. (by papers). Three teachers Dr. D.V. Bhagat, Dr. V.S. Chavan and Dr. S. D. Tupare have got reorganization as a teacher to guide the students of Science for Ph. D. degree from Mumbai University. Dr. V. R. Jadhavar has got reorganization as a teacher to guide the M.Sc. (by papers) from University of Mumbai. Dr. S. T. Morbale have got reorganization as a teacher to guide the M.Sc. (by research) and M.Sc. (by papers) students from University of Mumbai. Workshops on value aided courses such as preparation of phenyl and Agarbatti conducted by woman development cell and Department of Chemistry. Shilpa Nikam was invited to guide and demonstrate the 85 participants of the workshop. In addition to this, Department of Botany and Zoology conducted a workshop on value added courses such as preparation of pranws pickle and ayurvedic cosmetics on 10th Feb. 2020. Mrs. Shilpa Nikam was invited as a resource person for this workshop where the 38 students participated in the workshop.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.apcnagothane.edu.in/images/bestpractice201920.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Vision: "Avail the facility of education in the down trodden Community for development of Society." Mission: "Education for all" is the mission of Konkan Education Society and vis à vis College. Our is one of the prime educational institutions affiliated to University of Mumbai. It is run by, presumably the largest educational institution in Raigad District, Maharashtra, founded by the visionary Late Adv. Datta Patil. It relishes the dream of socioeconomic upliftment of the rural masses and their overall development by the means of

education. The vision, priority and thrust area of the college are in tune with the objectives of the National Policy on Higher Education. The institution works as per its vision statement: 'The distinctive area of the institute is "Education to students in the down trodden Community for development of Society through Quality Education". The college was established in 1992 in the purview of the splendid aphorism to educate students of farmers, workers, fishermen and saltpan workers of Raigad District, especially rural area. Our college was the sole option made available for higher educational opportunities to the children of the aforesaid populace at the time of its establishment. It has successfully been marching ahead and taking efforts endlessly for the betterment of socio-economically backward section of the society. The institute has been playing a pivotal role in the development of such students through the means of education. Around 8200 students enrolled in the college belong to economically and socially backward section of the society. The students come from nearby villages in the catchment area of 25 km. The students from different villages such Nagothane, Kolad, Roha, Bense, Shihu, Ambeghar, Khamb, Pen, Amdoshi, Kuhire, Wangani, Balsai, Wakan, Kansai, Wasgaon, Varvathane etc., are enrolled in college each year. We feel proud to mention that the college has made commendable contribution in shaping careers of its thousands of students and played an astonishing role in the overall development of them who in turn have brought laurels to the college, state and country alike. The students have been benefited from the quality education provided by the college and attained the top positions in academic, social, political, cultural, sports, etc. provinces. Some of the prominent category students studied in the college are member of Legislative Assembly. To support the area of distinctiveness, the college offers traditional programmes like B.Sc. at UG level and M.Sc. at PG level. The college also runs value added programmes like B.Sc. in Information Technology and B.Sc. Computer Science. The College offers courses to cherish the dream of 'One Student One Skill' by inculcating career oriented skills among the students. Furthermore, the college has a Competitive Examination Guidance Centre that trains the students for different competitive examinations. The academic programmes and career oriented courses offered by the college have been proved beneficial in mounting placement of the students in different fields. Extension activities carried out under NSS, DLLE, and WDC are one the features of the college and its commitment towards overall development of the students.

Provide the weblink of the institution

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

8.Future Plans of Actions for Next Academic Year

Due to unprecedented COVID-19 pandemic situation, the college has tentative plan of action for the academic year as follows:-

- ? To arrange meetings of IQAC periodically.
- ? To submit online AQAR of the academic year 2020-21 to NAAC office.
- ? Inclusion of new programmes: - submission of proposal to start Ph.D. course in Chemistry and one additional batch of PG programmes M.Sc. Organic Chemistry by papers and by research.
- ? To strengthen the functioning of Autonomy: To ensure proper functioning, the timely conduct of meetings of statutory bodies under autonomy ? Conduct of quality audits such as: • Energy Audit • Academic and Administrative Audit (AAA) ? E-governance in admission, examination, planning and administration ? Strengthening of the curricular, co-curricular, extracurricular and extension activities addressing to gender equity, human values and professional ethics, environment and national development.
- ? To explore and implement MOOCs for the benefit of students.
- ? To organize National Conference /Seminar and workshop.
- ? To participate in NIRF 2021
- ? To organize workshop on Intellectual Property Rights (IPR) and Research Methodology.
- ? To promote ICT in teaching-learning
- ? To adopt innovations and best practices for effective functioning of the college
- ? To organize placement drives for last year UG and PG

students. ? To promote faculty members for Promotion under Career Advancement Scheme ? To develop Online Admission Mechanism for UG and PG programmes. ? To develop Online examination Mechanism for UG and PG programmes