



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**KCES'S POST GRADUATE COLLEGE OF SCIENCE,
TECHNOLOGY AND RESEARCH, JALGAON**

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Way back in 1944, visionaries from Khandesh, decided and established Khandesh College Education Society (KCES). Today, KCES is an eminent educational institution in Maharashtra and is known as '**A profound Academic Movement**'. The society's campus occupies in 21.51 acres of land with infrastructural and educational facilities. Its dedicated management council, led by the visionary president *Pradnyavant* Mr. Nandkumar Bendale, is taking enormous efforts to take the trust to newer heights.

KCE Society's Post Graduate College of Science, Technology and Research, Jalgaon, was established in 2010 as pioneering institution to impart post graduate education in science discipline, not only in the region of KBC North Maharashtra University, but in the whole Maharashtra state.

Recently, based on its academic potential, the UGC has bestowed the status of '2(f)' recognition to the college.

The College, offers postgraduate programmes and research facilities in the discipline of science. The College began with just 30 students and one M. Sc. program in Biotechnology. The college has grown progressively; today it has student strength of 179 with five M. Sc. programs. Eighteen learned teaching faculty members disseminating their duties with a sense of dedication and devotion. Out of them, three staff members are Ph.D. holders and other 3 are pursuing it.

The institution has tried its level best to achieve the highest academic standards and provides opportunity to the students to choose programmes that are best suited to them. The institution is known for its educational, cultural, social and spiritual enterprises. On the basis of its academic achievements it has been awarded '**B Grade**' by K. B. C. North Maharashtra University through the process of Academic Audit.

The institution has always given thrust on making the suitable modifications in all elements of the academic system viz. providing excellent infrastructural facilities, most modern laboratories, equipments and converting the teaching, learning process and administrative functioning into more IT oriented manner.

Formal hierarchical relations and functions have always become secondary and the sense of 'oneness' always has gained momentum.

Vision

To be the Premier Source for Science and Technological Education, empowering the youth, especially belonging to the underprivileged sections of society, through quality education by inculcating humanitarian values and enable them to meet the challenges of the contemporary knowledge society.

Mission

To install high standards of discipline, ethics and values amongst the future of scientist.

To encourage students to work hard under the meticulous guidance of the eminent teachers.

To make their dream of bright future come true by holding a lucrative job with their overall personality development and improvement in the quality of life.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Geographical location advantage to attract students
- Devoted and enthusiastic teaching staff
- Democratic and teacher friendly environment and visionary management
- Inculcation of research through students centric activities like 'PRS'
- State-of-the-art ICT enabled academic infrastructure with well-equipped laboratories
- Strong research environment supported by sophisticated central instrumentation laboratory, animal house and tissue culture laboratory
- Only institute in the Maharashtra imparting instruction to exclusively science post graduate discipline

Institutional Weakness

- Majority of student are from economically poor, rural and tribal background and are first generation graduates .
- Insufficiency of English language proficiency of students
- Being a permanently un-aided institution difficult in procuring funds by funding agencies

Institutional Opportunity

- Scope to become a 12 B recognize institution by UGC
- Being a post graduate college more opportunities for national and international collaborations for research and consultancy services
- To design need based skill programs for better placement
- To set up research incubation centre to meet the requirements in local areas
- Strengthen the placement cell through industrial linkages
- Opportunity to work on rural empowerment issue
- Better opportunities for competitive exams through Gyanjyot Institute of Competitive Excellence

Institutional Challenge

- Encouraging students for entrepreneurship.
- Difficulties in generation of funds through major and minor research projects by Govt. agencies
- Meeting the needs of the students with diverse backgrounds.
- Providing industrial training within the region.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The College, being affiliated to the Kavayitri Bahinabai Chaudhari North Maharashtra University, follows the university curriculum and offers programs in Post Graduate Science disciplines. In tune with emerging national and global trends relevant to local needs, skill-based value-added courses have been introduced at institutional level. All the required information, related to curricular aspects is conveyed to faculty and students through the college website and prospectus. Effective curriculum delivery is ensured through the well planned and documented processes to accomplish vision and mission of the institute. The academic calendar prepared by the college as per the academic calendar of the university helps the college to conduct regular lectures, internal assessments and manage the time bound organizations of various activities like conferences, workshops, annual gathering, and other curricular and extra-curricular activities. The Principal, HODs and Academic monitoring committees and other committees work in harmony to strengthen curricular aspects.

During the period of last five years, the college has offered flexibility to the students to choose from a wide range of programmes and courses and elective papers for their postgraduate degree. The students have the choice to undertake certificate courses that are best suited to them. One of the certificate courses of the college is run on the basis of self governed and on self-finance basis and two other are run under the section 181 of University. These courses have been carefully introduced keeping in view the modern trends, market demands and global perspectives.

For horizontal mobility and practical applicability, 304 new courses (4.72% of the total courses) have also been introduced. Students of statistics department undertake field projects.

Faculty members of the college have immensely contributed for the syllabus framing at the university level through participation in syllabus framing workshops. All the teachers are also contributed in examination at university level.

The curriculum of the programmes also integrates cross-cutting issues like environment & sustainability and professional ethics in the core courses. The college has a well-developed mechanism of collecting feedback on curricula from different stakeholders such as students, alumni, teachers and employers in formal manner.

Teaching-learning and Evaluation

A centralized online admission process is carried out by the University for admissions to Post Graduate Science programmes. The college has its own admission committee which counsels the students about admission procedures. Annually, the admission process begins with the publication of college prospectus and making it available on the college website. The admissions of reserved category students are done as per the government of Maharashtra and university norms. The slow and advanced learners are identified on the basis of simple tests conducted immediately after the admission process is over and are segregated and mentored through personal guidance, counseling sessions and remedial classes.

The ratio of total number of students to fulltime teachers averages to 10:1. The college has adequate infrastructural facilities for the 'Divyangans' students.

To make the process of teaching-learning more interesting and effective about 90 % of our faculty members

use ICT methods along with the normal chalk and talk interactive methods. In addition to these methods various other teaching methods involving use of charts, models, seminars, assignments, projects have been frequently used. Varieties of co-curricular and extra-curricular events are organized for versatile development of the students. Critical thinking, creativity and scientific temperament are nurtured through student centric activities like **Prospective Researchers Scheme and PG Technologia**. ICT enabled classrooms, smart classrooms and WiFi enabled college campus strengthens the teaching-learning process.

About 73% of teaching posts are filled against the sanctioned posts and about 19% of teachers are Ph.D. degree holders and their average teaching experience is above 5 years.

The average passing percentage of students is 64.18%. Continuous student evaluation is ensured through a transparent, robust and centrally controlled internal assessment mechanism, based on a pre-defined academic schedule. Programmes outcomes (POs), Programmes Specific outcomes (PSOs) and Course outcomes (COs) are being displayed on website. Students' feedback significantly showcases the actual quality of teaching learning process which helps the college for further improvement.

Research, Innovations and Extension

Though the college is established recently it has created an encouraging and motivational research environment. Both the former and present principals, of the college are recognized Ph. D. guides and four students have received Ph.D. degree under their guidance. In the last five years, 70 research papers have been published in national/international journals. Out of which, 25 research papers are in UGC approved list of journals. Thirty three textbooks have been authored/co-authored by faculty members during the period of last five years.

Prospective Researchers' Scheme, unique research activities of the college in which students undertake research projects under the supervision of teachers has been introduced in the college. The outcome of this scheme is reflected in the publication of '**A compendium of research articles of prospective researchers**'. In the last year, 16 projects were successfully completed by 56 students of Chemistry, Biotechnology, Microbiology and Statistics Departments.

In the period of last 5 years, college has organized two national conference and three workshops. The lectures to improve communication skills of students were also organized and also for disseminating English proficiency skill amongst students. The college has *shodhganga* and subscription of N-List, through which additional resources of e-books and e-journals are made available to the students and teachers. It helps them to undertake research projects and also to participate in the university research festival *Avishkar*. State-of-the-art laboratories for each department are created with good number of sophisticated instruments. Linkages, in terms of three MoUs were signed for enhancing student exchange, industrial visit, on the job training, etc., and also to provide necessary exposure to the students.

A number of extension and outreach Programs have been conducted in collaboration with Community and Non-Government Organizations in the last five years. The College conducts activities for community such as, Blood Donation Camps, Blood group detection, Tree Plantation, Road safety camps, *Swachh Bharat Abhiyan*, *Beti Bachavo Beti Padhavo*, etc.

About 23 % of our students have participated in 7 extension activities organized in collaboration with the government, non-government organizations such as *Swachh Bharat Abhiyan*, *Gender Issue*, etc.

Infrastructure and Learning Resources

Spread over 21.51 acres of land, the college hosts excellent infrastructure, consisting of 02 independent buildings with wi-fi and cabled network, 09 lecture halls (including 05 ICT enabled smart classrooms) and 2 conference halls. A well furnished library contributes to the fulfillment of the college motto 'Explore your Potential' by organizing, maintaining and providing access to national and international books and journals. A collection of printed and non-printed educational text supports for the academic, research and reference purposes for both, students and the faculty.

The college library has a collection of 719 books, including reference books and Journals on various subjects. In addition, a partially automated library section also hosts subscription for *e-Granthalaya* and N-list Software. Some rare collection of books is also a part of treasure of our library. A care is taken to purchase new books as per the revised syllabi and also the demand from the students and teachers.

In order to provide in-house sports facilities to the sport persons, Eklavya sports complex is available. It provides state-of-the-art sport facilities, which include spacious gymnasium, play grounds (indoor and outdoor), Olympic size swimming pool, in-door shooting range.

The college recognizes the importance of facilities for differently-abled students and therefore, a special provision of ramps with railings and separate toilet facility, etc., are a part of college infrastructure.

Some of the other important infrastructural and support facilities include:

1. Boys and girls hostels (with 125 and 300 beds each) have been made available with mess and canteen facilities, safety measures with security personnel and CCTV camera facility, solar water heaters and street lamps.
2. A common internet facility for all campus based institutions, provides an uninterrupted internet connectivity of 40 MBPS. In addition, 23 computers, with licensed software and backed up by a power generator (387.5 KVA) are also in use.
3. Various other facilities include RO water plant, Central Instrumentation Laboratory, a Competitive Guidance centre, Soham Yoga and Naturopathy centre and hospital, Mother Teresa Health care centre, maintenance workshop, tube wells, separate parking facility for boys, girls and staff members, etc.

Student Support and Progression

Out of 541 students 382 of the students (66.86 %) benefited by scholarships and freeships provided by Government and 14 students (2.39%) benefited by the scholarships sponsored by the society of the college during the last five years.

The college conducts yoga and meditation activities in collaboration with Soham Department of Yoga and Naturopathy for the benefit of students and community. The successful students have initiated self-employment through their own coaching classes.

Efforts were taken by the college to organize activities like career counseling and guidance for competitive examinations with the help of Dyanjyot Institute of Competitive Excellence. The outcome is in the form of 80

students being benefited.

About 21 % of students progressed to higher education during current academic year while 30% of the students qualified NET/SET/State Government examinations. 5.48 % of the students were admitted for Ph. D. programs indicating the educational progression of student in the current year.

A number of sports and cultural activities were organized during last five years which included cricket, badminton, football, etc. The extracurricular activities also have been on the rise with students bagging prizes in cartooning category during youth festival of the university. The students are provided with financial support to showcase their talent in youth festival (*Yuvarang*) and science competitions (*Avishkar*) at university levels.

Statutory committees like SC/ST/OBC committees, prevention of sexual harassment committee, anti-ragging committee are functional in college. No incidents of ragging or sexual harassment were reported; however one case of domestic harassment was reported and appropriately resolved by the respective committee. Students also directly able to approach the authorities for their grievances and their problems are solved by open discussions with Principal and HODs. Students have shown appreciable representation on academic and administrative bodies of the college and university.

The alumni association has been registered and is always eager to help the institute through their feedback, suggestions and donations. The institution has an efficient student council for the welfare of the students. The council is constituted by nomination of the meritorious students. Similarly, the students' representatives are selected on merit from Sports and Cultural fields.

Governance, Leadership and Management

Khandesh College Education Society (KCES) runs Post Graduate College of Science, Technology and Research, Jalgaon. Hierarchical structure of the college follows delegation of administrative powers at various levels and decentralizing of the administration and day-to-day activities. The line of formal authority from the Principal and to the HODs has been clearly spelt-out leading to disciplined governance.

The participative management culture of the college provides leadership opportunities to the teachers to shoulder responsibilities in various capacities within the college, inspiring them to play active role in various university bodies.

The college adheres to the rules and regulations of the UGC, the Government of Maharashtra and the Kavayitri Bahinabai Chaudhari North Maharashtra University for recruitment. The self appraisal system is implemented for promotion of staff. The college prepares annual strategic and perspective plans and ensures their timely implementation through a well documented process.

The college has implemented e-governance in the areas of finance and accounts, student's admission, examination, library and administration.

Faculty welfare schemes, such as providing financial assistance for teachers to participate in conferences/seminars/workshops are in place for faculty. Various professional development and administrative training programmes are organized by the institute for teaching and non-teaching staff.

Major developmental activities are carried out with the support of revenue generated through student fees,

alumni contribution and from Society's own funds. The statutory audit, quarterly internal audit and other internal checks ensures fair, transparent and prudent utilization of funds.

The IQAC has been recently established by the college in 2018-19, which sets quality objectives, initiatives, visualizes plans and conducts periodic reviews of academic activities to ensure quality enhancement. The College Development Committee (CDC) also monitors administrative and academic activities.

Institutional Values and Best Practices

College is dedicated for maintaining gender equity on the campus and efforts are being taken for women empowerment by means of establishing women's committee named 'Yuwati Sabha' for the sake of women safety, security, health and education. Whole campus is prepared for environmental sustainability via establishing several eco-friendly roadmaps like **solid and liquid** E-waste management, use of renewable energy sources such as solar lights, observing 'No Vehicle Day' and tree plantations on regular basis as well as by promoting students for public transport by providing bus concession support etc. In addition to this rain water harvesting is done and the water is then used for daily uses. Most of the electricity demand of college is fulfilled by LED lights, as a part of energy saving. These efforts are taken by college towards environment protection and provide valuable inputs for the same.

As a part of social responsibility, college takes care of differently abled students by providing them with various facilities such as scribes, rest rooms, ramps, rails etc. Similarly, sincere attempts are made for involving local students from rural background into the mainstream education by addressing various locational advantages and disadvantages. A separate code of conduct is prepared for students as well as teachers with regard to value education policy of college. Similarly, college itself is bound to maintain transparency in its academic, administrative and financial aspects which are governed by professional code established by university and state.

For students to become good Indian citizens, college runs various activities including celebration of national festivals, organizing educational tours at birthplaces of national leaders and invited talks on their anniversary/commemoration by eminent personalities. The college offers few courses in different subjects on human values and universal ethics.

'Prospective Researcher's Scheme (PRS)' and PG Technologia, 'University Level Power Point Presentation Competition' are a couple of best practices that proves to be unique identities of the college. Distinctiveness of college is exhibited by effective classroom teaching accompanied by Integrated Classroom Tools (ICTs), implemented by highly qualified faculty members. Skill based Certificate courses and innovative research, practices in the college also reflect the same.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	KCES'S POST GRADUATE COLLEGE OF SCIENCE, TECHNOLOGY AND RESEARCH, JALGAON
Address	Jilha Peth, M. J. College Campus, Jalgaon.
City	Jalgaon
State	Maharashtra
Pin	425002
Website	http://www.pgcollege.kces.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Vishvanath Shripat Zope	0257-2236036	9422224616	0257-2237363	pgcollege@kces.in
IQAC / CIQA coordinator	Sandip Narayan Patil	0257-2239810	8806680979	0257-2239800	snpatil012@gmail.com

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	15-07-2010

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Maharashtra	North Maharashtra University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes autonomydoc_1576566631.pdf
If yes, has the College applied for availing the autonomous status?	No

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Jilha Peth, M. J. College Campus, Jalgaon.	Semi-urban	10	2198.62

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
PG	MSc,Biotechnology	24	B. Sc. Biotechnology	English	30	11
PG	MSc,Organic Chemistry	24	B.Sc. Chemistry	English	30	29
PG	MSc,Microbiology	24	B.Sc Microbiology	English	30	25
PG	MSc,Mathematics	24	B. Sc Mathematics	English	30	21
PG	MSc,Statistics	24	B. Sc Statistics	English	30	20

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	1				0				9			
Recruited	1	0	0	1	0	0	0	0	3	2	0	5
Yet to Recruit	0				0				4			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				12			
Recruited	0	0	0	0	0	0	0	0	5	7	0	12
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				6
Recruited	5	1	0	6
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				1
Recruited	1	0	0	1
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	0	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	2	0	5

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	2	1	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	6	0	9

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	1	0	0	0	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	2	0	2

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	1		0		1

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
PG	Male	101	2	0	0	103
	Female	76	0	0	0	76
	Others	0	0	0	0	0
Certificate / Awareness	Male	16	0	0	0	16
	Female	16	0	0	0	16
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	0	0	0	1
	Female	2	2	0	0
	Others	0	0	0	0
ST	Male	5	9	6	2
	Female	2	2	2	0
	Others	0	0	0	0
OBC	Male	71	35	17	16
	Female	52	39	15	20
	Others	0	0	0	0
General	Male	22	26	10	11
	Female	14	15	11	0
	Others	0	0	0	0
Others	Male	5	6	1	2
	Female	6	3	1	0
	Others	0	0	0	0
Total		179	137	63	52

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 386

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
05	05	03	03	03

3.2 Students

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
179	137	63	52	110

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
163	133	45	39	115

File Description	Document
Institutional data in prescribed format	View Document

Number of outgoing / final year students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
178	137	00	51	110

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
17	16	10	09	13

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of sanctioned posts year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
22	21	15	15	21

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 11

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
9.249	13.726	8.510	5.986	14.011

Number of computers

Response: 20

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

Being affiliated to the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, the college follows curriculum given by the university. For effective implementation of the curriculum, the college prepares roadmap every year. Highlights of the roadmap are as below:

Academic Calendar Preparation :

Prior to the commencement of the academic year, departments of the college prepare their academic calendar based on the University calendar. This gives clear picture of the available dates for noteworthy activities to ensure proper teaching- learning transaction and continuous evaluation. Considering the expertise/specialization of the faculty the courses are distributed. The academic calendar helps the college to manage the time bound organizations of various activities like conferences, workshops, annual gathering, internal assessment schedule, etc. so that the curriculum delivery schedule is not disturbed.

Pre-work at departmental level:

- At the beginning of the academic year, Heads of the Departments conduct meeting of the faculty and discuss departmental academic calendar for smooth conduct of the activities.
- Discussion on the syllabus and assignment of the workload to individual teachers is carried out.
- The head of departments prepare a list of books required as per the prescribed syllabus by the university and submit it to the library for purchasing.
- Month-wise teaching plan is prepared to cover the entire syllabus, considering available days for teaching-learning process.
- Heads of the Departments verifies the teaching plans submitted by the teachers and is monitored by the committee constituted for this purpose.

ICT based Teaching:

College encourages faculty members to prepare the lecture notes and encourage them for the use of ICT based teaching with power point presentation, animations, video clips etc.

Continuous Evaluation:

Each department conducts unit tests as per the academic calendar and continuously evaluates the students. The teachers discuss the answers of the students in the class for further improvement.

Memorandum of Lectures:

- Every teacher keeps a record of daily teaching-learning activities.
- Heads of the departments monitor classroom activities.

Periodical meetings:

- To ensure smooth conduction of teaching-learning process, periodical meetings of the monitoring committee are held at departmental level.
- Periodical meetings of all the Heads of the Departments are also conducted by the Principal for smooth and effective conduction and implementation of curriculum.

College Committees

College constitutes various academic committees to organize various programs, lectures and guidance to the students. The industrial visits are also organized for students. The college takes the feedback from all the stake holders and after analyzing the same makes improvement if required.

Faculty Improvement

College encourages the faculty to participate in orientation, refresher courses, seminars, conferences and workshops on syllabus designing to upgrade their knowledge in the subject which helps them to make effective implementation of the curriculum.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 1

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	00	00	00	00

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 7.69

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	00	00	00	00

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 48.03

1.2.1.1 How many new courses are introduced within the last five years

Response: 146

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 60

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 03

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 3.58

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
32	00	00	00	00

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

In the sense to integrate the cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics the Kavyitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, prescribed the contents in the curriculum of M.Sc in Biotechnology, Microbiology, Chemistry and Statistics which enrich the profession in specific and other based on social & ethical values.

The following table describes some of cross cutting issues addressed in the syllabus content of various programs prescribed by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon:

Core course	Description
Cross cutting issue: Environment and sustainability	

M.Sc. II (Microbiology); MB-301: Applied and Environmental Microbiology	Microbiological treatment of waste water, Biological conversion of Lignocellulosic waste, Bioremediation and biodegradation of xenobiotics, Biomarkers and Bio-reporters.
M.Sc. II (Biotechnology); BT-303 : Advanced Environmental Biotechnology	Solid waste management, Waste water management, Air pollution management, Bioremediation, Biodegradation, Biodiversity (Global and National), Measurement of biodiversity, Biosensors, Bio-fuels, Bio-safety, Toxicity, Antidotal procedures.
M. Sc. I (Microbiology) MB101: Microbial Taxonomy and Diversity	Microbial metabolic diversity and Conservation of microbial diversity, Extremophile bacteria (Archaea), algae, fungi, viruses, Biosensors , Nano-biosensors, Biomarkers and Bioreporter
M. Sc. II Microbiology; MB-403: Agricultural Microbiology	Biological conversion of Lignocellulosic waste, Bioremediation and biodegradation of xenobiotics, Biomarkers and Bioreporters, Microbial contamination, Microbial spoilage (Types and factors) and preservation, Biosafety aspects of handling infectious organisms, Microbial ecology, Microbial interactions with plant roots, Microbial Biocontrol Agents, Integrated Plant Nutrition through biofertilizers, Phytoremediation: Rhizodegradation, Rhizosphere engineering, Microbial reclamation of saline and sodic soils.
M.Sc. I (Biotechnology); BT-101 : Microbial Diversity and physiology	Influence of Microbes on the Earth's Environment, Ecological impacts of microbes, Symbiosis (Nitrogen fixation and ruminant symbiosis), Microbes and Nutrient cycles.
M.Sc. II (Biotechnology); BT-302: Plant Biotechnology	Transgenic plants with reference to Virus and Pest resistances - Herbicidal resistance, Stress tolerance (heat and salt), Cytoplasmic male sterility, Resistance to fungi and bacteria - Delay of fruit ripening, Ecological risk assessment of genetically modified crops.
M.Sc. I (Chemistry); CH-O-1: Organic Chemistry Practical	Green Chemistry Preparations/ Environmental benign synthesis a) Bromination of acetanilide using Ceric ammonium nitrate. b) Preparation of Benzilic Acid using NaOH /KOH under Solvent-free Conditions.

	c) Photo reduction of benzophenone to benzopinacol in presence of sun light using isopropanol and acetic acid.
	d) Synthesis of Dibenzalpropanone from Benzaldehyde and Acetone.
Extra curricular activities	Tree plantation
Cross cutting issue: Professional Ethics	
M.Sc. II (Biotechnology); BT- 403:Industrial & Business Biotechnology	Concept and Importance of entrepreneurship and self-employment in India, ISO 9000 quality system standards, Biosafety & IPR, CPM and PERT.
M.Sc. II (Biotechnology); BT- 302:Plant Biotechnology	Generation of novel plants foods and GMOs, Hazards and impact of genetic engineering on society.
M.Sc. II (Statistics); ST-404 :Technical communications	Technical and official communication skills, Communication/ presentation skills of the students.

College also involved in organizing various social activities like blood donation and blood group detection and tree plantation which address the gender, environment and sustainability issues.

College has recently started certificate courses that addresses and integrates crosscutting issues.

Certificate Course in Bio-analytical Techniques and Bioinformatics

Certificate Course in Analytical Chemistry

File Description	Document
Any Additional Information	View Document
Link for Additional Information	View Document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 0

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 00

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Brochure or any other document relating to value added courses.	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 3.91

1.3.3.1 Number of students undertaking field projects or internships

Response: 07

File Description	Document
List of students enrolled	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.26

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	0	0	0

File Description

Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 52.03

2.1.2.1 Number of students admitted year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
106	78	63	00	54

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
150	150	90	00	80

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 100

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
163	133	45	39	115

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The college assesses the entry point learning levels of the students through the following methods:

- Each teacher of the department assess learning levels, during post admission process through interaction with the students as well as on the basis of marks obtained in the first test conducted to assess the learning levels of the students .
- The classroom interaction and practical laboratory sessions enable the subject teachers to assess the knowledge, skills and aptitude of the students of the subject as well as through the scores obtained in the first unit test. This enables segregation of students into slow and advanced learners.

Having identified the slow and advanced learners on the basis of learning levels of the students, the college employs specific strategies for addressing their needs.

Strategies adopted for the slow learners to improve their comprehension levels and self confidence:

- To improve the English proficiency among the students and to acquaint them with the functional aspects of the language, college organizes guest lecture on English proficiency. Guest lecture are on how to write effective resume or curriculum vitae, as well as communication skills.
- Personal guidance is offered by the teachers to the needy students on individual basis.
- Personal and academic counseling sessions are arranged for the deprived students.
- Slow learners are provided with problem solving sessions and unit tests in difficult subject for leveraging the subject knowledge.

- Extra practical sessions are also conducted keeping in view the needs of the students.
- Teachers provide learning resources in audio and video form for the easy assimilation of the subject content through the internet.
- Invited lectures of eminent personalities are also organized to motivate the students.

Strategies adopted for advanced learners:

- Open access to electronic books, journals and N-List-INFLIBNET is provided by the college to meritorious students.
- Advanced learners are encouraged to participate in surveys, workshops, seminars, conferences, educational fairs, exhibitions and quiz contests etc.
- During State/National Conferences, such students are encouraged to work as anchors and an opportunity for conversation with the eminent personalities.
- Career guidance and counseling is offered based on the student's talent and aptitude.
- Unique scheme for inculcating research aptitude among students namely "Prospective Researchers' Scheme" is run by the college. The output of scheme is **A compendium of Research Articles by Prospective Researchers** and is published with ISBN number.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio

Response: 9.94

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.56

2.2.3.1 Number of differently abled students on rolls

Response: 1

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

College has the policy, to take all academic and related decisions in a proactive student centric approach. With “To be the Premier Source for science and technological Education, empowering the youth, especially belonging to the underprivileged sections of society, through quality education by inculcating humanitarian values and enable them to meet the challenges of the contemporary knowledge society” as its vision, the college employs several student centric methodologies, like interactive learning, experiential learning and independent learning among the students to encourage them for lifelong learning. The feedback and suggestions of the students regarding teaching-learning activities, facilities and learning resources are duly considered for modifying the learning experiences offered during the classroom interactions.

- Interactive lecture method is used to encourage students to express themselves and consolidate their understanding of the topic taught. More emphasis is given to interaction than to lecturing and question-answer sessions are also frequently conducted in the classrooms.
- Suitable technological learning environment is created by the frequent use of Computer Assisted Teaching Aids like Power point presentations, simulations, interactive ICT based learning, online access to web resources, use of interactive whiteboard accessories, use of subject specific software such as MINITAB, MATLAB, R-software, TORA, C++, CHEMDRAW, RasMol, Mega4, SigmaPlot14.0, etc.
- Problem based learning is also one of the methods adopted by the faculty members. Students are involved in preparation of charts and graphs.
- Teachers of the department of chemistry frequently use ball and stick models to teach stereochemistry and explain the complicated geometrical structures.
- All the departments use the method of ‘Guided Learning’ through assignments like projects, presentations, surveys etc.
- For final year students, classroom seminars are organized by departments and students are encouraged to actively participate in such seminars.
- Departments organizes study tours, field and industrial visits, practical sessions and projects.

The students are provided with the necessary technological and infrastructural facility including provision of LCD projector and Laptops for presentations.

File Description	Document
Any additional information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 94.12

2.3.2.1 Number of teachers using ICT

Response: 16

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 11.19

2.3.3.1 Number of mentors

Response: 16

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

Each faculty aims to nurture critical thinking, creativity and scientific temper among the students, using a variety of rich learning pedagogy such as regular classroom seminars, discussions, collaborative activities, assignments, projects dissertation and through a variety of co-curricular and extra- curricular activities.

Critical thinking:

Classroom teaching and learning, depending on the content to be taught, teachers give illustrations and discuss the day to day real life situations to acquaint the students with the practical insights. Problem solving sessions are carried out by each faculty of the department for developing competence among students.

Creativity and innovation:

- The practical simulation software has been used for transforming the traditional classroom teaching into technology assisted, practical learning environment. This helps the students to understand the concepts and sharpen their creative and innovative potential.
- To bring the creativity and innovation in teaching learning process almost all the teachers use ICT methods which include LCD projector for power point presentation, screening of online and offline

videos (YouTube, NPTEL, vlab etc) animations, audio clips, webinar, science and technological documentaries, science fiction movies, etc.

- To facilitate teaching and learning process teachers record audio and video lectures and place them on college website for the benefit of the students.
- As rightly said by great scientist Albert Einstein, “Education is not learning of facts but the training of mind to think”, this is achieved by encouraging the students to take active part in various competitions (such as PG Technologia),seminars, workshops , *BIO-INNOVO*, *Avishkar* etc., organized by the university and various departments of the college. Teachers offer guidance and special training for the students in order to bring out an intrinsic talent of the students for such events.
- Most of the programs have mandatory project work enabling the students to express their research potential.
- ‘Prospective Researchers’ Scheme’ for promoting research aptitude among budding researchers is an ideal platform created by the college for the students to come up with creative and innovative research ideas.

Students are also encouraged to publish their Research articles, poems, stories in annual college Magazine published in the name of ‘**Sphatik**’ which help students to transform themselves into lifelong learners and innovators.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
Response: 72.94	
File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years	
Response: 18.69	
2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years	

2018-19	2017-18	2016-17	2015-16	2014-15
4	3	2	2	2

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 5.56

2.4.3.1 Total experience of full-time teachers

Response: 100

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 2.29

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	1	0	0

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

Being affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, the college follows the evaluation structure as recommended by the university and hence has limited scope for modifying the evaluation system. At present, semester system has been implemented for all programs of the college as per the university norms. Weightage for external evaluation is 60% and for internal evaluation is 40%. The modalities followed for awarding internal marks at postgraduate levels is as follows:

Internal examination for 40 marks includes written tests, seminar/s, tutorial/s, home assignments, oral and day to day performance/presence of the students.

Considering the need for continuous formative assessment of the students, the college initiated the following measures:

- Department wise internal examination system is followed for smooth working with transparency.
- The college examination committee ensures effective implementation of all activities related to internal and external examinations and assessments.
- Through continuous evaluation of students, the college identifies the students requiring special attention and offers necessary remedial measures.
- Term-wise Formative and Summative Assessments are carried out as part of the evaluation process during academic year. The intellectual and skill based development of the student is evaluated and monitored on continuous basis through formative Assessments. At the end of each term, Summative Assessment is done through term-end examinations and finally through university examination.
- The question papers for internal test examinations are prepared giving appropriate weightage to units of the course.
- Journal keeping of the practical sessions is also considered for continuous assessment.
- Grievances in assessment, if any, are resolved through teacher interaction. Re-test is conducted for those students who are absent during the internal examinations owing to their participation in Sports, or other extra-curricular activities so as to facilitate continuation of their studies without impediment. Special leave is also allowed in exceptional cases against absence owing to genuine reasons.

- The results of the internal examinations are declared within a week, enabling the students to raise any grievance and get it resolved before the marks are finally submitted to the university.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

- Students are briefed through faculty-wise opening addresses by the Principal and HODs about internal assessment, question paper patterns and university examinations.
- The university norms relating to course-wise examination pattern are communicated to the students. The university circulars in this regard are circulated to the faculty members and administrative staff and are displayed on the notice boards for students from time to time.
- Internal and external examination activities are coordinated and communicated to the students, teachers and administrative staff regarding examinations by specially constituted examination committee.
- Schedules for examination are made available on the college websites.
- For efficient understanding of the evaluation process, the faculty members give class-wise/course-wise instructions about structure of internal/external evaluation to the students.
- Concerned subject teachers notify changes in schedules, patterns, methods if any, to the students through notice boards, Whatsapp groups, e-mail and also through classroom briefing.
- Internal examination schedule is displayed on notice board well in advance and mark lists of internal assessment are displayed on the notice
- It is a practice of the college to show internal examination answer books after evaluation to the students in the class for self-evaluation. The subject teacher briefs the students in the classroom about their attendance and performance in the internal examinations.
- Grievances if any, regarding the assessment are resolved by the concern teacher through free appropriate interaction.
- To prepare students for various competitive examinations internal question paper is balanced by objective and subjective mode of questions.
- A variety of oral questions are asked during laboratory sessions or lectures in order to prepare the students for interviews which they are going to face in future.
- The college offers ample opportunities to the students to prove their merit through the performance of the students in seminars, home assignments etc.
- Internal assessment programs are designed by considering problems of different difficulty levels to test various aspects of the ability of the students such as knowledge, understanding, application, analysis, synthesis, evaluative abilities etc.
- Due weightage is also given to the students' regularity in attendance, laboratory journal record and behavior.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

Mechanism for redressal of grievances related to internal and external evaluation is as follows:

- For self-assessment, the assessed internal test papers are shown to the students immediately after the assessment.
- In case of any grievances regarding internal assessment, the student is free to interact with the teacher and get it resolved. The unresolved grievance, if any, is referred to the concerned Head of the Department through the teacher.
- As per the university norms, the methods of grievance redressal regarding university assessment the students have right to apply for verification of answer books, right to apply for photocopy of answer books and right to challenge the valuation of answer books.
- The candidate who appeared at the university examination can apply to the university within a period of 21 days from the date of declaration of the concerned examination result in the prescribed form for verification of marks of his answer-books. The result of the verification of marks is communicated to the candidate concerned, within a period of 30 days from the last date of receipt of application by the university.
- The examinee has the option to apply for the photocopy and verification of marks of the preceding examination(s) for a maximum of two answer books. The photocopy is supplied on the payment of non-refundable fees as prescribed by the university from time to time. However, the photocopies of answer books of practical examinations marks, viva-voce, are not supplied to the examinee(s).
- The prescribed application form for photocopy of answer books and verification of marks duly filled in and signed by the applicant are to be submitted to the Principal of the College within 12 days (both days inclusive) from the date of declaration of general results of the relevant examination.
- Recently, students directly apply online through university website to get photocopy of the answer books.
- If any examinee is not satisfied with the marks awarded to him/her, he/she may challenge the same by applying to the university through the Principal of his/her college in the prescribed form within eight days from the date of issuance of photocopy of answer book by the university.
- The college takes special initiative for resolving group grievances, if any, regarding university assessments.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

- At the beginning of the academic year, committee consisting of Principal and Heads of departments along with the Administrative Head prepares an overall academic calendar for the college taking into account the university schedule. Attention is given to the schedules of assignments, tests, seminars and semester examinations. Due consideration is given to organization of various activities such as conference, workshop and competitions. The academic calendar of the college contains the schedule of commencement of semester sessions and classroom teaching, public holidays, summer and winter vacations, days of celebrations etc.
- Industrial visit, guest lectures, study tour, field visit and celebrations of days like Teachers day, Woman's day, National science day, National mathematics day etc. are arranged in accordance with academic calendar.
- At the commencement of the academic year meeting of sports and cultural activities coordinators is held to planned sports activities and annual cultural program of the college *RHYTHM*.
- Academic calendar of the current year is available on college website for stakeholders.
- At the beginning of academic year heads of department conduct departmental meetings of the teaching staff, in which academic and administrative activities are planned as per the academic calendar.
- The teachers prepare term-wise teaching plan for each course assigned to them with due consideration to Continuous Internal Evaluation (CIE). The Head of the department monitors planning, execution and maintenance of records of the teaching activity. Mid- term review meetings for necessary changes and modifications are conducted at the department level.
- The semester-wise schedules of internal examinations of theory and practical courses are prepared by the College Examination Committee, considering academic calendar of the college.
- Internal examination schedule is displayed on the notice board in advance for faculty as well as students.
- Each Faculty of the departments set course-wise internal test question papers as per the university norms and conducts the internal examination as per the schedule.
- After completing internal examination, papers are assessed by respective teacher and then mark-lists are prepared and displayed within a week. Retest is conducted, if needed.
- Progress of the students is monitored and evaluated on continuous basis through assessments.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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 on website and communicated to teachers and students

Response:

- Being affiliated to the university, the college has little role in defining the Program Outcomes, Program Specific Outcomes and Course Outcomes. The syllabus structuring and defining of objectives and laying down correlated expected Program Outcomes, is carried out by the Board of Studies of respective subjects during the syllabus framing meetings and workshops.
- However, college alternatively defined Program Outcomes, Program Specific Outcomes and Course Outcomes and displayed on the college website. This way, it is intended to communicate the newly designed POs, PSOs and COs to all the concern stakeholders immediately, as it is the fast and efficient medium.
- POs and PSOs are also displayed in all the departments prominently so as to enable the teachers and the students plan the learning experiences in the classrooms accordingly.

New action plan customizing the learning experiences in accordance with the predefined Program Outcomes, Program Specific Outcomes and Course Outcomes is being requested for, from the teachers and students:

- Course Outcomes and Program Specific Outcomes are displayed in the Laboratory.
- The college has published booklets containing POs, PSOs and COs for all the programs run by this college, the copies of which are made available to the students and teachers and also in college library.
- The charts showing Program Outcomes as well as Program Specific Outcomes have been displayed in the departmental staff room.
- At the beginning of every semester, each subject teacher conveys course outcomes to students in his introductory lectures.

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

1. Attainment of POs:

The level of attainment of Program Outcomes (POs) by the students is assessed through-

- Feedback generated by all the stakeholders of the college viz. students, teachers, alumni and employers.
- Interaction with students for their performance through seminars and group discussions by the teachers.
- Evaluation of class tests, tutorials and home assignments.

- Observing on the progress in the performance of the student in the practical sessions by teachers.
- Supervision of assigned project work by project supervisor.
- Participation of students in various scientific and technological events, wherever applicable.

The assessment of attainment of POs is evaluated by the teachers through formative and summative evaluation mechanisms adopted by the college.

2. Attainment of PSOs:

Attainment of program specific outcomes is evaluated by the college using direct and indirect methods.

- In direct method result analysis, progression to higher education, placement and participation of students in various competitions/activities (Conferences, Quiz, Paper presentation, Annual function/ departmental Gathering, etc.) are included.
- Indirect method includes various surveys such as Teacher, Employer and Student survey.

3. Attainment of COs:

- The course outcomes (COs) are assessed through interaction and objective observations, evaluation of tutorials, home assignments and class tests etc.
- The level of attainment of COs is continuously monitored by the concerned subject teachers through the laboratory practical and theory sessions.
- Subject specific knowledge of the students is evaluated through seminars and group discussions by the subject teachers which help to know level of COs attainment.
- Project works are assigned to the students which are supervised by the concerned guide. During the process of supervision, the development of analytical, reasoning and applied skills of the students is monitored. The observations made during such supervision are used to measure COs.
- The progress of the group of students is monitored by the mentor-mentee interaction. The mentoring helps to decide extent of attainment of COs.
- Continuous Internal Evaluation ensures attainment of COs designed by the concerned department.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 59.7

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 40

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 67

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.85

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description

Document

List of project and grant details

[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 65

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The college has developed the following system for creation and transfer of knowledge:

The college promotes the eco-system for research and innovation practices by motivating the faculty to participate in the seminars/workshops/conferences. It also promotes students to take part in the different quiz, Avishkar, Yuvarang. It also provides financial needs and supports.

Infrastructure

Computer laboratory with internet facility

All the members of faculty and non teaching staff are provided free internet facility. The faculty makes optimal utilisation for the purpose of carrying out research activities as well for up-gradation of their academic knowledge for keeping pace with the competitive world. Students are also allowed free access to computer laboratory for the purpose of improving their academic growth and enabling them to improve their skill and face the challenges of modern competitive world.

Library facility

The library is enriched with current reference book, and has separate reading room facility. The students freely access to library after their classes.

Animal House Facility:

The college has signed the MoU with Department of Zoology, Moolji Jaitha College Jalgaon, to avail the Animal House Facility and Animal Tissue Culture Facility for students. The Animal House Laboratory, registered under 'Committee for the Purpose of Control and Supervision of Experiments on Animals' (CPCSEA), works for assured quality maintenance and safety of animals through Institutional Animal Ethics Committee (IAEC). This facility is available to boost the incumbents, teaching, training and research facilities to provide animals in emergent field of Experimental Pharmacology, Medicinal and Chemical Industry.

Animal Tissue Culture Laboratory:

This laboratory serves as research and training center. It includes training of preparation of media, construction, assembly, testing and operation of laboratory equipments, preparation of tissue cultures; demonstrating various techniques to students and maintenance of safety procedures.

Central Instrumentation Laboratory:

The college has passed the resolution from Khandesh College Education Society's to avail the facilities of Central Instrumentation Laboratory. It provides latest instruments and technologies and acquires real time hands-on experience, which impart necessary technical skills to students that help them to improve employability. Some of the advanced instruments are: High Performance Liquid Chromatography, Fourier-Transform Infrared Spectrometer, Atomic Absorption Spectrophotometer, Gas Chromatography, Laboratory Fermenter, Tangential Flow Filtration, Gel Doc System, Thermal Cycler, Ultra water purifier.

NPTEL- Swayam local chapter

This is an initiative of government to benefit students, teacher and society to enroll for various certificate and diploma courses in the field of arts, science, humanities and engineering. It has been taken to enrich

the learning experience by using audio-video and multi-media and state of the art pedagogy / technology. Every semester students register for courses under the portal.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 2

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	0	0	0

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 4

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 8

3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 2

File Description	Document
URL to the research page on HEI web site	View Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 1.81

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
8	7	2	4	4

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 2.08

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
16	4	3	2	2

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

Various extension activities aimed at holistic personality development of the students that imbibe social concern and sensitize the students are regularly organized by the college. A list of such extension activities indicating the number of beneficiaries/participants is presented below:

Name of The Activity	Number of Beneficiaries
In the collaboration of K.C.E.S Soham Department of Yoga and Naturopathy organized TOTAL FIVE awareness and therapeutic programs for the community (Blood Pressure ,Asthma, Diabetics and Obesity)	35
Blood donation camp: college organized blood donation camp in collaboration with Madhavrao Golvalkar Swayamsevi Rakta Pedhi, Jalgaon (NGO).	14
Blood Detection Camp: As a part of the social awareness regarding blood group a free blood group detection camp is organized by department of Biotechnology.	65
Yuvati Sabha Various events for the girl students related to their personnel health, career, woman empowerment, cyber security, women related rules and laws are organized through the Yuvati Sabha. Gender Equality program were organized in which Students actively participated in various campaigns such as Beti Bachao, Beti Padhao, Stri Bhrun Hatya (female feticide) gender equality family cohesiveness campaign	44
Tree Plantation	35

<p>The college organized tree plantation program as environmental concern in college campus, in which 10 plants of Neem and Ashok were planted and these plants are taken care by college for their healthy growth. We have initiated the new activity to plant trees every year on occasion of Maharashtra government tree plantation week (Wanmohotsava in first week of July)</p>	
<p>Social survey on farmer's suicide</p> <p>Social survey on farmer's suicide issues was undertaken by students and teachers of statistics Department to identify the socioeconomic strata of farmers committing suicide and evaluated the proximate reasons behinds these suicides. The output of project will be helpful to community in preventing the suicide of farmers.</p>	2
<p>Guest Lectures by Eminent scholars The college provides an opportunity of expert lectures to the students by an eminent scholars who are invited to deliver talks on important issues like Health Awareness, Environment Awareness, Water Harvesting and Management, Tree Plantation, Yoga Practical etc.</p>	
<p>Various Socio-economical Issues; College Annual Magazines SPHATIK, is a activity of every year which raise the issues of socio-economics.. In this, student centric articles have been published.. The annual misstellany contains in brief, selective pictorial representation of co-curricular, extra- curricular and extension activities.</p>	
File Description	Document
Link for Additional Information	View Document

<p>3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years</p> <p>Response: 0</p>				
<p>3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years</p>				
2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0
File Description	Document			
Number of awards for extension activities in last 5 years	View Document			
e-copy of the award letters	View Document			

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry,

Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 5

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
02	01	01	00	1

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 22.45

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
22	28	5	24	28

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job

training, research, etc during the last five years

Response: 12

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	4	1	1	1

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 1

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The Government Of Maharashtra vides Its GR No. NGC 2012/ (247/12) MS 4, Dt.2 sep 2013 has specified certain minimum requirements for colleges offering higher education. The following table provides the availability of infrastructure as per the recommended requirements.

S.No.	Minimum Requirement	Existing Facility																		
1	½ acre non agricultural land	10 acres																		
2	One own building	Main building=1 Statistics and Math building=1 Ladies hostel =1 Health center = 1 Total own buildings= 4																		
3	Principals Office(500 sq.ft.)& Office + meeting hall (600 Sq.ft.)	Office =143.22 sq.ft. Principal Cabin = 143.22 sq.ft. Meeting hall = 286.32 sq.ft. Total = 572.76 sq.ft.																		
4	Computer Laboratory	393.28 sqft																		
5	Biotechnology, Chemistry, Microbiology laboratories (1200 sq.ft.)	<table border="1"> <thead> <tr> <th>Sr.No.</th> <th>Laboratory</th> <th>Area In Sq.ft.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Biotechnology</td> <td>570</td> </tr> <tr> <td>2</td> <td>Chemistry</td> <td>594.30</td> </tr> <tr> <td></td> <td>Physical</td> <td></td> </tr> <tr> <td></td> <td>Organic</td> <td>1139</td> </tr> <tr> <td></td> <td>Research Lab.</td> <td>483.02</td> </tr> </tbody> </table>	Sr.No.	Laboratory	Area In Sq.ft.	1	Biotechnology	570	2	Chemistry	594.30		Physical			Organic	1139		Research Lab.	483.02
Sr.No.	Laboratory	Area In Sq.ft.																		
1	Biotechnology	570																		
2	Chemistry	594.30																		
	Physical																			
	Organic	1139																		
	Research Lab.	483.02																		

		<table border="1"> <tr> <td>Total :</td> <td>2283.82</td> </tr> <tr> <td>3 Microbiology</td> <td>768.4</td> </tr> <tr> <td>Total</td> <td>3510.22 sqft</td> </tr> </table>	Total :	2283.82	3 Microbiology	768.4	Total	3510.22 sqft
Total :	2283.82							
3 Microbiology	768.4							
Total	3510.22 sqft							
6	Library With Minimum 500 Books Area (600 sq. ft.)	<p>No. of Books =719</p> <p>Area: 653.30 sq. ft.</p> <ul style="list-style-type: none"> • Provision for reading room. • Three Computers for accessing e-resources. • Old rare books of Mathematics, Statistics and Chemistry 						
7	Record Room (150 sq. ft.)	Yes 65 sq. ft.						
8	NAAC Room (150 sq. ft.)	Yes 240 sq. ft						
9	Staff room (600 Sq. Ft.)	<p>Yes (Department wise)</p> <p>B.T. 127.61 sq. ft.</p> <p>M.B. 170.00 sq. ft.</p> <p>O. C. 112.00 sq. ft</p> <p>Math & Stat. 315 sq. ft.</p> <p>Total = 724.61 sq. ft.</p>						
10	Meeting Hall	286sq. ft						
11	Ladies room (150 sq. ft.)	Yes 219.18 sq. ft						
12	Conference Hall (1200 Sq. ft.)	<p>Yes</p> <p>Two ICT enabled conference halls:</p> <p>Hall No. 1 (Old conf.): 1637.7 sq. ft.</p> <p>Hall No. 2 (New conf.): 1208.5 sq. ft.</p>						
13	Seminar Hall	795sq. ft						
14	Lecture Halls	<p>Yes</p> <ul style="list-style-type: none"> • 9 lecture halls having total area 5080.38 sq. ft. • 5ICT enabled classrooms with 3 smart class room having area 4706 sq. ft. 						
15	Toilet Block (600 Sq. ft.)	Main Building: 2 toilet blocks having area 249 sq. ft.						

		ST-MT Building: 4 Toilet blocks having area 508.22 Sq. ft.
		TOTAL = 757.22 sq. ft.
16	Water Facility	Yes
17	Electricity Facility	Yes
18	Drainage Facility	Yes

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Response:

Out Door Sports Facility

Sr. No.	Out Door Sports Facility	Area /Size	Year Of Establishment
1	Athletics	400 meter 8 lane track for track &field events	2010 -11
2	Cricket	65 yards	2010 -11
3	Khokho	1522.31 sq. ft.	2010 -11
4	Kabaddi	426.51 sq. ft.	2010 -11
5	Volley Ball	531.50 sq. ft.	2010 -11

Indoor Sports Facility

Sr. No.	Indoor Sports Facility	Area /Size	Year Of Establishment
1	Badminton Courts (2 Nos.)	Two Badminton Courts Of 880 sq. ft. each :hall size 4488 sq. ft. Wooden Floor	2010 -11
2	Gymnasium	Gymnasium Hall Size	2010 -11
3	Weight Lifting & Power Lifting	1850 sq. ft.	2010 -11

Yoga and Naturopathy centre

Sr. No.	Particulars Of The Facility	Area/Size	Year Of Establishment
1	Naturopathy centre (OPD Section)	1422.89 sq. ft.	2014
2	Naturopathy (IPD Section)	1422.83 sq. ft.	2014

3	Yoga Hall 01	1794 sq. ft.	2005
---	--------------	--------------	------

As per the resolution of K.C.E. Society, college utilize, Eklavya Krida Sankul , Yoga and Naturopathy centre.

Cultural Activities:

College organizes various cultural activities on occasions of Independence day, Teachers Day, and Republic day. Students actively involved in various cultural activities through fresher's and farewell programs and annual gathering.

In order to explore the hidden talent with respect to performing art, college encourage student to participate in various competition like *Rangoli, mehendi, cartooning, collage, food festival* etc.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 63.64

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 7

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 4.81

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0.13853	0.52261	0.33600	0.92514	0.05785

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The College is having an Integrated Library Management System namely e-Grantahalaya, a software having version 3.0 in the library. The library is enriched with 719 books, 08 national journals and 03 newspapers. The library provides open access facility to students.

Library Automation

The library of the college is automated from the academic year 2018-19 with e-Granthalaya Software, one desktop computer for library administration and two computers with internet facility for student's access is available.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

Collection of rare books and special reports

Sr. No	Description of books	Publisher	Author	No. of Copies	Year
1.	An introduction to Electrochemistry by	Affiliated East West Press LTD.New Delhi	Samual Glastone	1.	1947

2	Instrumental Methods of Analysis	Affiliated East West Press PVT. LTD. New Delhi	Willard , Dean and Merritt	1.	1965
3	Essentials of Physical Chemistry	S. Chand & Company Ltd. New Delhi.	B. S. Bahl and G. D. Tuli	1	1978
4	Fundamentals of Molecular Spectroscopy	Tata McGraw-Hill Company Ltd. New Delhi.	C. N. Banwell	1.	1983
5	Spectroscopy (Atomic and Molecular)	Himalaya Publishing House New Delhi.	Gurdeep Chatwal and Sham Anand	1.	1985
6	Fifth Edition of Physical Chemistry	Orient Logman Ltd. New Delhi.	Walter J. Moore	1.	1993
7	Basic Concepts of Analytical Chemistry (2nd Edition)	New Age International (P) Ltd. New Delhi	S. M. Khopkar	1.	1998
8	Biotechnology Project Reports	Students	Students	4	2011-12
9	Biotechnology Project Reports	Students	Students	7	2012-13
10	Biotechnology Project Reports	Students	Students	5	2013-14
11	Biotechnology Project Reports	Students	Students	2	2014-15
12	Biotechnology Project Reports	Students	Students	2	2015-16
13	Biotechnology Project Reports	Students	Students	4	2017-18
14	Organic Chemistry Project Reports	Students	Students	6	2012-13
15	Organic Chemistry Project Reports	Students	Students	6	2013-14
16	Organic Chemistry Project Reports	Students	Students	5	2014-15
17	Organic Chemistry Project Reports	Students	Students	6	2015-16
18	Organic Chemistry Project Reports	Students	Students	5	2017-18
19	Microbiology Project Reports	Students	Students	4	2013-14
20	Microbiology Project Reports	Students	Students	4	2014-15
21	Microbiology Project Reports	Students	Students	3	2015-16
22	Studies on Depolymerisation Kinetics and Thermodynamics of Polester Polyurethane Waste	Dr. V.S. Zope	Dr. V.S. Zope	1.	2004
23	Studies on development of biodegradable polymer nanocomposites	Dr. S.S. Bari	Dr. S.S. Bari	1.	2017
24	A Study of Regression on Count Data	Dr.Y.V. Jadhav	Dr.Y.V. Jadhav	1.	2019

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 0.54

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0.4984	0.81865	0.57133	0.65733	0.16318

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library	
Response: Yes	
File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students	
Response: 6.12	
4.2.6.1 Average number of teachers and students using library per day over last one year	
Response: 12	
File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

<p>4.3.1 Institution frequently updates its IT facilities including Wi-Fi</p> <p>Response:</p> <p>The college has computer facility with 23 computers, one Laptop of latest configuration loaded with licensed operating systems and necessary software. Out of them 20 computers are used for students. The college has a computer laboratory with 12 computers having internet facility. In addition to these, every department has a computer with necessary accessories and peripherals like printers, etc. Three computers with all these accessories and peripherals are available office of the princixpal.</p> <p>LAN: One broadband connection of 40 MBPS capacity is spread over the campus. All the computers are connected through wired and wireless Campus Area Network and the internet access is controlled through a firewall. The wi-fi connectivity covers in the campus area.</p> <ul style="list-style-type: none"> • Students have access to internet facility from 7.30 a.m. to 7.00 p.m. in the campus, the internet café located at the ladies hostel remains open from 7.30 a.m. to 11.00 p.m. <p>Hardware: The college has been procuring the latest configuration hardware. The hardware is frequently updated through buy-back policy of the vendors as is needed.</p> <ul style="list-style-type: none"> • All departments of the college have computer facilities. The college has 02 servers for library management, office database management; internet proxy server, firewall application, Wi-Fi management, student database management system etc. All these gadgetries are located and controlled by the centralized ‘computer facility center’ of Khandesh College Education Society.
--

Efforts towards ICT based teaching and learning:

- The college has setup 5 smart classrooms in the college equipped with Kyan/LCD projector.

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio

Response: 8.95

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: 35-50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 48.56

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
4.81747	9.09377	3.31519	2.24014	7.95859

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Earlier the College was having a Local Management Council (LMC) and now it is changed to Development Committee (CDC) that plans various infrastructural and academic needs of the college each year and allocates budget, keeping in view the requirements of all the stakeholders.

Laboratory: The college has 06 laboratories attached to various departments, 01 computer laboratory. Optimum utilization of laboratory resources is ensured by the department. In order to have an optimum utilization of the various sophisticated instruments housed in central instrumentation laboratory, a Research Director is appointed by Khandesh College Education Society, who take care of the appropriate utilization of the instruments like UV- spectrophotometer , atomic absorption spectrophotometer, High Performance Liquid Chromatography, Gas Chromatography, GelDoc System , FTIR-Spectrometer, Fermenter, Lyophilizer, Thermocycler, Brookfield viscometer etc. Director also takes care of purchase, repairing and maintenance of instrument.

For protection against fire incidents laboratories are equipped with fire extinguishers. As a primary treatment, First aid box is available in laboratories like Chemistry, Microbiology and Biotechnology.

Computers: The college has common computer facility with 12 computers of latest configuration loaded with necessary software and internet facility. In addition to these, every department has a computer with necessary accessories and peripherals like printers etc. The college campus has Wi-Fi facilities for the staff and students.

Library: Every year, the college constitutes a library committee consisting of the Principal as its

Chairman, College Librarian as its Secretary, faculties, and senior teachers representing various departments. This committee deposes budget allocations for purchase of books to various departments depending on the student's strength.

Sports Complex: The College has resolution with KCE society to use the sports facilities of Eklavya Krida Sankul. Physical Director of the college, in association with Eklavya Krida Sankul manages planning of optimum utilization of sports facilities throughout the year.

Classrooms: The classrooms of the college are spread across the campus at two different locations. The time-table for classroom teaching is prepared before the commencement of each semester where classroom wise schedule is clearly stated. Further, for the optimum utilization of the facilities and to provide opportunity of ICT based teaching in the smart classroom for all the departments, suitable and convenient time-table has been chalk out.

The college has a dedicated power line from the Electricity Board of Maharashtra State. Power transformer is available within the campus so as to avoid fluctuations in voltage supply. For providing fluctuation-free, uninterrupted electric supply, equipments in the Central Instrumentation Laboratory (CIL) are connected to a dedicated online UPS.

For the optimal performance of sensitive equipment, the CIL is air-conditioned.

Continuous supply of water is ensured for constant water supply to every laboratory. In the college campus there are four dug bore-wells in different parts that provide sufficient and constant supply of water.

Gardener, sweeper, plumber, electrician and carpenter are appointed on contract by Society and controlled by estate manager of Society. Gardener maintains plantation of college campus. Housekeeping of college buildings, classroom, laboratories, library, office and corridor maintained by sweeper. Plumber looks after supply of water and drainage water system. Electrician maintains building power supply, and electrical gadgets.

File Description	Document
Link for Additional Information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 66.86

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
156	81	41	28	76

File Description

Document

Upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 2.5

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	4	2	0	4

File Description

Document

Any additional information

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

- 3. Soft skill development
- 4. Remedial coaching
- 5. Language lab
- 6. Bridge courses
- 7. Yoga and meditation
- 8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: D. Any 4 of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 13.53

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
36	26	18	00	00

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 0

5.1.5.1 Number of students attending VET year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description

Document

Details of the students benefited by VET

[View Document](#)

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description

Document

Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee

[View Document](#)

Details of student grievances including sexual harassment and ragging cases

[View Document](#)

Any additional information

[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 31.05

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
17	32	00	13	29

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 1.12

5.2.2.1 Number of outgoing students progressing to higher education

Response: 2

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 30

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	0	0	0	2

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4	0	0	0	2

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Any additional information	View Document

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) during the last five years.

Response: 0

5.3.1.1 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-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Though as per the university guidelines, from last two years there is no provision for the election of student council, however, for the involvement and participation in planning and organization of numerous academic and administrative, co-curricular and extracurricular activities and procedures, college encourages the students.

The institution has constituted student council for the welfare of the students.

It is constituted as follows;

Principal is a Chairman of student council and secretary, One teacher, One student from each class, two

lady students and Director of Physical Education & Librarian are nominated by the principal.

The students are actively participated in the various activities which were arranged by the college. In Annual Social Gathering (*Rhythm*) of the college, students play active role in executing different events. In the Study tour, students are participated enthusiastically. For the organization of a variety of activities such as guest lectures, workshops and conferences, camps and campaigns, youth festivals, fashion shows, industrial tours, exhibitions, surveys, various competitions the students are fully supported and fascinated to success the above activities.

Major Activities:

Yuvarang:

In the University Level Annual Cultural Youth Festival “*Yuvarang*”, Members of the Students Council actively participated in the planning and implementation. This leads to achieve a Bronze medal in Cartooning at University level in 2018-19.

Rhythm: The office bearers and members of the Students Council play important role at all levels of planning and execution in the Annual Social Gathering ‘*Rhythm*’.

Blood Donation/Blood Group Detection Camp: The Students Council is enthusiastically involved in organizing Blood Donation Camps and motivating other students to participate in the said camp and also been implemented the blood group detection camp successfully.

Co-curricular and Extracurricular Activities: Students are participated in the ‘Avishkar’ and showing their research talent. In the intercollegiate sports events students have been actively participated.

Grievances Redressal Cell: Being a part of grievance redressal cell, a student council member addressed and resolved grievances if any. However no case was reported during the last five years.

Deputation of members of the Students Council: The members of the Students Council are deputed to various functional academic and administrative committees, events, trainings and workshops.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 2

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	2	2	2

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

The alumni association of the college contributes to the development of the institution through both, financial and non-financial means. The alumni have contributed Rs 80,000/- in last five years for the development of the institution.

- Alumni Association is active in the college since 2014 and it has been registered as 'Post Graduate Alumni Association' (PAA) on 26/03/19
- The association actively participates and contributes in the academic and administrative development of the college.
- The committee regularly organizes meetings for planning and implementation of various innovative ideas, activities for quality enhancement of the college.
- Feed backs by the alumni helps for smooth functioning of the college, the link on the college website has been recently added.
- Alumni are nominated as the member of the IQAC.
- Presence of alumni enhances the creativity of the students in various activities and events such as college annual gathering, Fare-well Function, Fresher's Day etc.

Non financial contribution of alumni to the development of the college is given below:

The alumni from professional field help in the process of industrial linkages, projects and placements.

- Our most of the alumni are working in various multinational industries having exposure to various plant processes such as drug manufacturing, drug design, pharmaceutical, biopharmaceutical, food-processing, research and development, quality control and quality assurance unit. Thus, the alumni association organizes guest lectures by prominent alumni to get acquainted with industrial processes. To motivate students toward research, alumni association organized lectures by our alumni Mrs. Leena Jadhav and Mr. Pankaj Jadhav.

The prominent alumni of the college providing financial and non financial (academic) support are listed

below.

Sr. No.	Name of the alumni	Place of work
1	Akshay Kailas Sonvane.	Jain Farm Fresh ,Jalgaon.
2	Agnihotri Yogendra Nadkumar	Jalgaon (Medical Representative),
3	Rupali Anil Chaudhari.	P.G.C.S.T.R, Jalgaon
4	Ujwala Vasant Marathe.	P.G.C.S.T.R, Jalgaon
5	Patil Asha	Zilha Parishad, Jalgaon
6	Mohsina Patel	NMIMS, Shirpur
7	Leena Jadhav	UICT, KBCNMU, Jalgaon
8	Pankaj Jadhav	ICT, Matunga, Mumbai
9	Shalini Sharad Zope	PGCSTR, Jalgaon.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years(INR in Lakhs) ? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: <1 Lakh

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 10

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	2	2	2

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document
Report of the event	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Vision :

To be the Premier Source for Science and Technological Education, empowering the youth, especially belonging to the underprivileged sections of society, through quality education by inculcating humanitarian values and enable them to meet the challenges of the contemporary knowledge society.

Mission:

- To install high standards of discipline, ethics and values amongst the future scientist.
- To encourage students to work hard under the meticulous guidance of the eminent teachers.
- To make their dream of bright future come true by holding a lucrative job with their overall personality development and improvement in the quality of life.

The Management and Principal, through IQAC and CDC of the college ensure the policy statement and action plans for conformity with the vision and mission of the institution. All the policies and action plans are thoroughly discussed in the Executive Committee meeting of the KCE Society, under the guidance and supervision of the Hon'ble President. The Principal and IQAC Cell monitor all the activities through regular meetings with all stakeholders to fulfill the vision and mission.

Governance of the institution

In the beginning of the academic year, the college ensures the effective and comprehensive planning of the upcoming academic year and semester sessions. The College Development Committee (CDC) constituted under the Maharashtra Public Universities Act, 2016 is the authoritative body in the academic policy and decision making of the institution. It has representation of all the constituents like Management, Experts, Industry, Principal, Faculty, IQAC Coordinator, Administrative Head and student representative of the college.

Perspective Plans

The institution prepares perspective plan for the overall development of the institution with the involvement of all the stakeholders. The Management, Principal and IQAC prepare institutional strategic plan based on the mission and objectives of the institution, local needs, changing academic scenario. Recently the recommendations given by academic audit committee of the University are also taken into consideration for executing the plan efficiently.

- The Management periodically interacts with the stakeholders like students, parents, alumni and teachers. Every year, the college organizes alumni meet, where Principal and teaching faculty interact with them and intermittently with parents, seek their opinion and ask for their co-operation and involvement in

implementing the plan effectively. The Management provides all the necessary academic and infrastructural amenities to the college, ensuring prevalence of a culture of excellence across the campus.

• **Participation of the Teachers in the decision making bodies of the institution**

For the smooth functioning of the curricular, co-curricular and extracurricular activities envisioned as part of yearly plan, the college forms various statutory and other committees as per the norms of the University. These committees are headed by the Principal as the ex-officio chairman and faculty members as the coordinators.

The major committees are:

1. Internal Quality Assurance Cell (IQAC)
2. Grievance Redressal Cell
3. Library Committee
4. Purchase Committee
5. Examinations and Evaluation Committee

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The Khandesh College Education Society promotes the decentralization and participative management in the decision making of the institution.

At the institutional level, the Principal of the college manages the administrative and academic activities of the institution.

Participative Management

Keeping in view the vision & mission of the college, the management provides free hand to the Principal. The Principal is the Secretary for the College Development Committee (CDC) and convenes the meetings regularly. The deliberations which take place in the meetings are communicated to rest of the teaching and non-teaching staff. As per the policy of the Management the Principal appoints the faculty members as Co-ordinators for different committees to carry out the curricular, co-curricular and extracurricular and extension activities in the college.

The Principal conducts the meetings with the faculty regularly for the smooth functioning of the college.

For the smooth administration and decentralization of it, departmental administration is control by Head of

the Department whose appointment is done after the sanction through IQAC and CDC.

To facilitate the decentralization and participative management appointment of the Head of the Departments is sanctioned in the resolution of CDC meeting held on 14th December 2018.

Admission process

College constituted admission committee to initiate admission process. The following were the members of the committee.

1. Mr. R. M. Patil
2. Mr. J. V. Khan
3. Mr. S. N. Patil
4. Mr. Lomesh Narkhede

The admission process commence in the month of June in which the efficiency of the decentralization and participative management has been observed. There is centralised admission process (CAP) for M.Sc. conducted by the university. The admission committee facilitates the students in the admission process i.e. providing guidance for filling of the forms, counselling for filling the optional form.

A case study

In the year 2018-19, a separate steering committee was formed by the principal for preparing a Institutional Information for Quality Assurance (IIQA) and Self-Study Report (SSR) to be submitted to the NAAC, Bangalore. This committee was given the responsibility for preparing and uploading the SSR for the accreditation and assessment of the college by NAAC for the first cycle.

The following were the members of the committee –

1. Dr V. S. Zope , Principal of the college
2. Mr. S. N. Patil , Chairman of the steering committee & Coordinator of Institutional Profile
3. Mr. J. V. Khan, Chairman for Criterion I
4. Mr. R. M. Patil , Chairman for Criterion II
5. Dr. Mrs. Yogita Jadhav, Chairman for Criterion III
6. Mr. Ulhas S. Patil , Chairman for Criterion IV
7. Mr. D. R. Nhavi, Chairman for Criterion V
8. Dr. V. S. Zope, and Prof. J. V. Khan, Chairman for Criterion VI
9. Dr S. S. Bari, Chairman for Criterion VII

This exercise is the manifestation of the culture of decentralization and participative management adopted

by the college.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

As an example of activities successfully implemented based on the strategic plan is described below:

KCE society's Post Graduate College of Science, Technology and Research has been in forefronts of academic, co-curricular extra-curricular, sports events/competition since its inception. The dedication of teaching staff for widening the horizon of the student to achieve the excellence in university merit was exhibited, when our brilliant students Miss. Lathi Snehal Dilip stood **Second in University Merit list** at M. Sc. Biotechnology examination held in May 2018. Students of the college involved actively in Co-curricular and extracurricular activities by participating in university "**Youth Festival**" (Yuvarang) and university research festival "**Avishkar**". Miss. Neha Bhamare awarded Third Prize in Cartooning and group of three students awarded Consolation prize for the Installation event in Yuvarang 2019. One teacher and 27 students of the college were participated in Avishkar in which two groups of student and Prof. R. M. Patil were selected in district level.

Prospective Researchers' Scheme (PRS): In order to inculcate the research attitude amongst the students prospective researchers' scheme was introduced. This year 69 students of the second year participated in this scheme and completed their research project under the supervision of 16 teachers. The projects were evaluated by external experts, first and second rank projects were selected for the award of cash prize. The outcome of the projects is the compendium of research articles by prospective researchers publish with ISBN number in soft as well as hardcopy.

To enhance the statistical conceptual attitude among the students, college initiated the self-governing certificate course in statistical approaches in analysis. 32 students were successfully completed this certificate course. Value addition in the concern subject has been made available to the students by introducing Chemical science and Life science Certificate Courses namely Certificate Course in Analytical Chemistry and Certificate Course in Bio-analytical Techniques and Bioinformatics respectively.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document
Strategic Plan and deployment documents on the website	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Governing Body

1. General body of the KCE Society

Khandesh College Education Society (KCES) runs KCE society's Post Graduate College of Science, Technology and Research, Jalgaon. The Management Council of the KCE Society is the supreme authority in evolving and executing strategic plans at the institutional level.

The members of the General Body of the KCE Society elect the Management Council members to manage the day-to-day affairs of the trust.

It gives approval to annual budgets and financial statements, and appoints auditor for the trust.

2. President of the Khandesh College Education Society

The members of the Management Council elect one distinguished personality amongst them to lead the Council as the President of the Society.

3. Management Council

The Management Council is an Executive body of the KCE Society. KCE Society elects its representatives through election as per the provisions of the Constitution of the Society.

Management Council performs the following functions:

1. Approval of annual budgets and financial accounts.
2. Review of grant utilizations.
3. Authorization of bank account operations, approval of financial allocations.
4. Allotment of land for infrastructure development.
5. Building infrastructure for academic, sports and other activities.
6. Appointment and promotion of teaching and non-teaching staff.

4. College Development Committee (CDC)

The College Development Committee (CDC) is constituted as per the provision in the new Maharashtra Public Universities Act, 2016.

Functions:

- Prepares an overall comprehensive development plan of the college regarding academic, administrative and infrastructural growth, and enable college to foster excellence in curricular, co-curricular and extra-curricular activities
- Makes specific recommendations to the management to encourage and strengthen research culture, consultancy and extension activities in the college.

5. The Principal

The Management appoints the Principal as per the norms of the University Grants Commission (UGC), State Government and the affiliating University. The Principal is the administrative and academic Head of the college.

6. Research Development Committee

This committee coordinate the research activities of the college.

Administrative Set-up

Academic Administration & General Administration

The general office administration is supervised by the Head Clerk assisted by other supportive staff. He assists the Principal in the college administration.

Functions of Various Bodies

The College established the Internal Quality Assurance Cell in the year 2018 as per the norms of NAAC. The function of the IQAC is to develop a system for improvement and development of the institution.

The college has also constituted the statutory committees such as Discipline & Grievance Committee, Anti-ragging cell, Women's Grievance Redressal Cell, Counseling Cell for the smooth functioning of the college.

Service Rules, Procedures and Recruitment

The recruitment, service, promotion, superannuation etc., are governed by the Service Rules of the various statutory authorities as well as rules and regulations as stipulated by the Management of the parent body.

As per the workload, recruitment has been made by procuring the sanction by Maharashtra Government and management.

Promotional Policies

The Promotional policies are as per the norms of affiliating University, UGC, and Government of

Maharashtra.

Grievance Redressal Mechanism

The College has constituted the Disciplinary & Grievance Committee.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

- A. All 5 of the above
- B. Any 4 of the above
- C. Any 3 of the above
- D. Any 2 of the above

Response: C. Any 3 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document
Any additional information	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The minutes of meetings of various committees formed for planning and execution of different activities throughout the year are recorded in the proceeding, and follow up action regarding fulfillment of earlier issues are evaluated in the subsequent meeting. Some of the important committees include – College development committee (CDC), IQAC, Library Committee, Budget Allocation Committee, purchase committee, Committee for Prevention of Sexual Harassment, etc.

For instance at the beginning of an academic year, the IQAC committee sets objectives and follows plan of action towards quality enhancement. These include introduction of new certificate courses under 181 of university and self governed course, activity schedules, organization of Competitions, and Faculty development program for Staff, etc. Six-monthly meeting is conducted to evaluate the functioning and to evolve the future plan.

Case Study: PG Technologia: A University Level Power Point Presentation Competition

As an example, minutes of the meeting of IQAC held on 19 January 2019. One of the issues of discussion was 'To organize university level power point presentation competition for the students' named as **PG Technologia**. It was decided to organize a competition that will provide a competitive environment to the students of Microbiology, Biotechnology and Organic Chemistry to inculcate presentation skills among the students. The day and date of workshop was decided in the meeting. The committee members instructed to prepare the detailed planning of workshop. The themes and topics for the workshop was also discussed and finalized in the meeting. The heads of the concerned departments were informed to motivate and encourage the students for their participation in maximum possible number from departments of university and colleges. This exercise has benefitted the college students in bringing about improvement in their presentation skill.

Implementation:

PG Technologia competition was organized on 25th January, 2019 for the students of Organic Chemistry, Microbiology and Biotechnology. **23** students from various colleges affiliated to KBC North Maharashtra University, Jalgaon and 16 students from various Schools of KBC North Maharashtra University, Jalgaon participated. The topics for competition were 1. Safety Precautions in Laboratory, 2. Green Chemistry/Technology, 3. Instrumental Methods of Analysis, 4. Genetically Modified Organisms, 5. Sustainable Biotechnology.

The participants were evaluated on the basis of content, Innovation, Presentation and Question/Answer. The examiners for this competition were invited from the expert in the concerned subject from university departments and senior professors of the other colleges. In the prize distribution function students express their views about the competition and mentioned that the competition was very fruitful for the overall development of the student. The successful participants were awarded prizes for various disciplines as below:

1.Organic Chemistry

1. First prize : Gosavi Dipak Prakash, School of Chemical Sciences, KBCNMU, Jalgaon.

2.Second prize: Chandravanshi Shikha J., School of Chemical Sciences, KBCNMU, Jalgaon.

3.Consolation prize: Patil Madhuri Yashwant, PGCSTR, Jalgaon.

2. Microbiology and Biotechnology:

1. First prize : Wagh Vaishali Mohan, PGCSTR, Jalgaon.

2. Second prize: Patil Dipika Ravindra, M. J. College, Jalgaon.

3. Consolation prize: Patil Jayesh Mahendra, PGCSTR, Jalgaon.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The college is providing various welfare schemes for teaching and non-teaching staff which are as follows:

- 1.Financial support to faculty for participation and attendance of Seminar, Conference, Workshop and Symposia.
- 2.Advances against salary for teaching and non teaching staff on festival like Diwali.
- 3.KCE Society has an in campus Health Centre facility for the teaching, non-teaching staff and students.
4. The canteen facility is available at the college campus with separate teacher's corner.
5. The staff association holds get together and picnics in which various domestic issues are raised and solution of them were discussed.
6. All teaching and non-teaching staff members are covered under Employee Provident Fund (EPF).
- 7.Availability of duty leave, earned leave, maternity leave, paternity leave, medical leave, study leave are some of the leave facilities extended for the welfare of the employees.
8. Felicitation of staff and their son and daughter for special achievements.
- 9.Accommodations facility to the needy bachelor male and female staff members of the college is provided by the society.
- 10.Gymnasium and swimming facilities at Eklavya Krida Sankul of the Society is made available to faculty with concession and relaxation.
- 11.For stress management of faculty, Yoga and Naturopathy facility is available in reasonable charges.

File Description	Document
Any additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 35.61

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	3	8	4	3

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 0.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	01	00	00	00

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 21.25

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
17	1	00	00	00

File Description	Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

1. Performance Appraisal System for teaching-staff – The performance appraisal system for the teaching staff is as follows -

Self-Appraisal Method - Teaching-staff submits an annual Self-appraisal Form. The evaluative comments are offered by concerned head of the department, and finally reviewed by the principal of the college. The principal appreciates the efforts taken by the faculty and personally discusses with the concerned faculty, about the improvements required in a particular case, if any. Evaluation by students - Feedback from students is collected by the IQAC in a prescribed form. The IQAC analyses the feedback forms regarding the opinions of the students, and submits report to the principal. Based on the report, the principal sends letter of appreciation in recognition of the efforts taken by the faculty, and discusses with the concerned faculty members individually, about the improvements.

1. Performance Appraisal System for non-teaching staff -

Confidential reports – The overall performance of the non-teaching staff of the college is evaluated by the Principal, and in case of the laboratory staff evaluation by the heads of the concerned department, and the confidential report is submitted to the principal for the final evaluation.

Other informal means - Students' suggestions box is another mechanism that is instrumental in collecting the information about the level of satisfaction they get from the services provided by the staff. Their

suggestions are also considered in deciding upon the promotional issues and the aspect of transfer of the non-teaching staff from one department to another.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The College conducts both internal and external financial audits regularly. The audit and inspection procedure adopted in the college are as under:

1. Internal Audit :

The internal audit is conducted quarterly every year. The internal auditors appointed by the K.C.E. Society assess and verify the cash-book, bank book, general register, receipt book, bank statement, fee subsidy, dead stocks and all other vouchers. Recently from financial year 2018-19 it has been decided by the society to conduct the internal audit of the college every month to have up to date financial record of each month. The internal auditor submits audit report to the Administrative Officer of the Society for further process and action.

2. External Audit

The external Auditor appointed by the K.C.E. Society conducts the audit of accounts of the college annually; the same is kept before the College Development Committee (CDC) for approval by the Governing body of the Institute.

In the last five years so far there is no major objection. Queries are cleared time to time through interface meetings.

3. Audit by Affiliating University:

In accordance with the provision under section 117 (1) of Maharashtra Public Universities Act 2016, it is necessary to have inspection of the college to decide standards of academic and administrative performance, in which some important financial documents are examined. In academic and administrative audit conducted by university for academic year 2018-19 college got 62% of marks which is valid up to May 2022.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The institution is not receiving any grant from the Government since it is totally on non-grant basis. All the salary expenditure is born by Khandesh College Education Society. The society extends financial support for various academic development and infrastructural development. The alumni of the college also extend financial support to the college.

In spite of five self finance post graduate degree programs, Institute initiated three self finance certificate courses with the financial help of KCE society.

Optimal utilization of resources

Annual budget is prepared by considering the available resources and additional need of academic year. Budget and financial allocation is reviewed by Khandesh College Education Society's finance experts. The management council reviews the income and expenditure of the college and approves the annual budget in the College Development Committee (CDC). The College Accountant is managing the financial resources under the supervision of Principal.

The Principal and Head Clerk of the college ensure the proper utilization of the financial resources on the functioning of the college. Also the College Development Committee, finance expert studies annual expenditure and scrutinizes it and provides the guidelines for efficient use of financial resources.

For the purchase of new equipments, technical experts of the KCE society and Heads of the department verify need and necessities of the chemicals & glassware and instruments before advised to put the purchase order. College is having purchase committee which makes the details enquiry of the equipment and takes decision of the purchase.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The College established an Internal Quality Assurance Cell (IQAC) in the year 2018-19. Internal Quality Assurance Cell of the College plays major role in the quality enhancement of the institute specifically the teaching-learning process. The IQAC has contributed significantly for institutionalizing the quality assurance strategies and processes.

Research Culture

The IQAC Cell of the college always motivates and promotes the teachers as well as students to focus on activities based on research. Research Committee of the college has an active contribution in executing the research activities amongst the faculty and students of the college.

College also motivates the faculty to participate in the International/National/State level seminars/workshops/conferences and publish the research articles in journals of repute. IQAC Cell also encouraged students to undertake the research projects and motivate them to participate in University research festival 'Avishkar'. It is due to continues motivations by the cell, few teachers completed Ph. D. and some of the teachers are pursuing their doctorate degree.

Outcomes:

1. Two faculty members awarded Ph. D. degree, 01 faculty member submitted the final thesis and waiting for the viva-voce and 02 faculty members are pursuing Ph. D.
2. Twenty nine faculty members participated/Presented paper, in the seminars/workshops/conferences.
3. Thirty five students and two teachers of the college exhibited their research work in Research Festival of University, 'Avishkar' in the last five years.

Two examples of best quality initiatives by IQAC, institutionalizing the quality assurance strategies are as follows ;

1. Prospective Researchers' Scheme

To develop research aptitude among the students, College has initiated 'Prospective Researchers' scheme'. This practice will help students to inculcate research methods, ethics and culture in them by motivating to undertake research projects.

At the beginning of an academic year, potential students are identified and small research projects are assigned to them. The innovation and feasibility of research proposal is scrutinized followed by undertaking of projects in the stipulated time. The students are provided with research assistance to complete the research projects within stipulated time period. After completion, projects are evaluated by external experts and best performers are felicitated with cash prizes. The research papers based on their projects are compiled with the help of project supervisors and reviewed by experts and published annually in the form of research compendium with ISBN number.

2. Introduction of value added certificate courses

As our college conducts only science post graduate program, most of the students have to undertake research projects dissertation and to write the project report. Application of statistics is most significant method of proving their results, that's why IQAC decided to initiate the self financing certificate course for statistical analysis that will help our students to clarify their concept in statistical analysis, application of appropriate statistical tools for problems of research.

College also started two more value added certificate courses under section 181 of university for the students of Microbiology, Biotechnology and Chemistry as a initiative of IQAC.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

The IQAC of the institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.

Teaching- Learning Process

The faculty has to prepare and submit the teaching plan at the beginning of the semester to the Head of the Departments. The college also takes the course wise and teacher wise feedback from the students on teaching learning and evaluation process. In IQAC meetings, members discuss issues regarding teaching learning and evaluation process and make some suggestions for the quality improvement in the teaching learning process of the college.

The University also conducts the Academic and administrative Audit of the institution as per the new Maharashtra Public University Act 2016. College has been conferred 'B' **grade** by academic audit committee of KBC North Maharashtra University, Jalgaon.

Teaching learning reforms facilitated by the IQAC (two examples)

1. College has established NPTEL *swayam* local chapter for online learning of students as well as teachers. It provides various online certificate courses in various branches of science, humanities and engineering fields.

2. International Webinar: Department of Microbiology of the College organized a one day International webinar for students of Microbiology and Biotechnology department. **35 students** and staff members from Department of Microbiology and Biotechnology attended this Webinar. The topic of the International webinar was on "**Trends in Genetic Modification**" and held on 9th February, 2019. The Webinar was organized by Microbiologist Society, India and Mahyco Research Foundation Trusts Badrinarayan Barwale Mahavidyalaya, Jalna.

Besides these almost all the faculty members uses the ICT facilities in the classroom for teaching learning process.

Structure and Methodologies of Operations

The course structure is made available on the college website in the form of prospectus and also it is available on the university website for the students. The faculty prepare the teaching plan, time-table before the commencement of the semester. The Head of the department monitor the conduct of the classes and also take review of the courses in the departmental meetings. The principal also take review about the department wise teaching, evaluation in the staff meeting regularly.

Outcomes

As per the strategy and policy of the IQAC the college constitutes the research committee, examination committee. The extra theory classes and practical for the proper progress of the students is conducted. College also arranges the guests lectures, makes discussions on the current topics, various competitions and poster presentations.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 0

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: C. Any 2 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Any additional information	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

Sr. No.	Particulars/ Year	2014-15	2015-16	2016-17	2017-18	2018-19
1	Students	110	52	63	136	179

	Strength					
2	No. of Teaching Staff	13	10	11	17	18
3	Academic Program	3	3	3	5	5
4	Certificate Courses	0	0	0	0	1
5	Result in %	35.00	35.91	--	40.33	64.18
6	No. of Classroom	06	06	06	09	09
7	No. of Smart classroom	00	00	00	05	05
8	No. of Seminar Hall & meeting Hall	02	02	02	04	04
9	No. of Laboratories	4	4	4	7	7
10	No. of Computer & laptop	03	04	21	21	21
11	No. of LCD projectors	01	01	01	01	02
12	No. of Printers	01	02	02	03	07
13	No. of KYAN	00	00	00	03	03
14	Organization of conference/ workshop/seminar	01	01	00	00	03
15	No. of Research paper published	04	04	02	07	08
16	Participation in Avishkar	00	03	09	05	28
17	Participation in Yuvarang	00	00	00	07	09

College has sanctioned and recruited isolated posts of Librarian, Physical Director and Principal as per the rules of Government of Maharashtra and UGC. The College has taken steps and issued letters to persuade the joint director, Department of Higher Education, Government of Maharashtra to recruit full-time faculty. Presently the College is persuading for the sanction of the full time posts as per the workload.

The College has also made Memorandum of Understanding (MoU) with the Animal House and Animal tissue culture lab, Department of Zoology, M. J. College, Jalgaon, S. P. Pharmaceuticals, Jalgaon and M. J. College, Jalgaon.

The college is having separate Computer Lab with 12 computers along with internet facility wherein all the students are batch wise accommodated.

Library Facilities are partially computerized, e-library software have been installed and have subscription of N-LIST.

The Internal Quality Assurance Cell of the college has activated the overall development of the college which reflects from the various quality initiatives implemented. The participation in the different development program strengthened the quality of teaching faculty.

Some of the incremental growth of the college is as follows:

a. Organization of National conferences focusing on student participation.

- b. College got B Grade in Academic and Administrative audit by the affiliated University in 2019 and is valid up to May 2022.
- c. Introductions of Three certificate courses
- d. Introduction of two programmes namely statistics and mathematics.
- e. Establishment of smart class room, computer laboratory.
- f. Prizes /awards in *Avishkar* and Youth Festival of University.
- g. Conducted workshops on IPR and Faculty development.

File Description	Document
Any additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 6

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	2	1	1

File Description	Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document
Any additional information	View Document

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

The institution shows gender sensitivity in the campus and organizes various awareness programs. Women's day (8th March) is celebrated in the college, encouraging the respect towards women and women empowerment. Facilities regarding the issue of female safety, security, counseling and common room are also provided. The details are as follows,

Safety and Security

1. College campus is well protected with compound walls from all sides and established in its own area. Sufficient numbers of security guards are also present for full fledged security of the campus.
2. 'Nirbhaya Pathak' of nearby police station regularly patrolling the college campus area, to maintain law and order against antisocial elements.
3. A separate ladies hostel to accommodate needy female students and ladies staff of the college is available within the campus. The hostel is headed by rector and facilitated with all the basic

requirements of ladies including internet facility, sanitary napkin vending machine and first-aid box. Due care is taken for security of hostel beneficiaries including CCTV surveillance, full time security guards and maintaining code of conduct.

4. Invited lectures from security experts including cyber security and legal advisors are arranged to tackle the adverse situations for female. One day workshop on 'The Sexual Harassment of Women at Workplace' (Prevention, prohibition and redressal) was organized by the college on 27th February 2017 under the PUSH program of Maharashtra State Commission for Women.
5. The college has constituted an Anti-Ragging cell and Grievance Redressal Cell to deal with any type of gender harassment of female students, which includes report of one case of domestic harassment but due to counselling by the committee members of college with the help of police, the problem is resolved with happy end.
6. Yoga center in the campus regularly organizes courses for improving physical and mental health of the women based on meditation, yogan etc. In addition, separate gymnasium and aerobics center is available for women. Similarly, independent batches for swimming and badminton are arranged in regularity to maintain gender equality and safety.

Counseling

College has constituted a counseling cell wherein one lady faculty is appointed as coordinator of cell. This cell conducts various activities regarding the importance of gender sensitivity as well as gender equality in the campus and the society. The coordinator and staff members of the college regularly observe female students and counsel them regarding their problems. Yuvati Sabha of the college conducts various programs for the girl students. On the occasion of birth anniversary of eminent women, invited talks by the experts are organized on biography of personalities like the great khandesh poetess Bahinabai Chaudhari.

Common Room

A common room is available for females in college which serves as the place for relaxation and socializing. This room has facilitated with washroom, and first-aid box, considering the necessities of ladies. Moreover, common room is provided with sanitary napkin vending machine

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 28.98

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 74825

7.1.3.2 Total annual power requirement (in KWH)

Response: 258192

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 15

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 1497.6

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 9984

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

Solid Waste:

Solid waste is generated from the regular wastage in the campus such as chalk, paper, plastic, bottles and other landscaping related materials. This waste is collected and segregated as biodegradable and non-biodegradable waste in separate dustbins daily. Biodegradable waste including grass clippings, leaf litter and other culture media refuse is bio-remediated via treating it into biogas plant, established in the campus. Thus, an ecofriendly manure and energy is available from this 'green waste' that minimizes the expenditure of the institute too. Remaining non-biodegradable waste is dispatched to waste collection vehicle of Municipal Corporation regularly.

Liquid Waste:

Micro-organisms become a part of liquid waste during experimentation. Hence, effluents containing these microorganisms are autoclaved, before becoming the part of liquid waste. College has designed the out flow of liquid waste in such a way that it prevents contamination of campus and do not cause any harmful effect over the surrounding people. A properly constructed leakage sewer system is used to for drainage.

E-Waste Management:

The e-waste management is very negligible in the institute. Still institution periodically repairs the electronic gadgets.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rooftop of college building is used to collect rain water which is used by department of chemistry, biotechnology and microbiology for regular practical sessions. The college buildings possess proper layouts to drain the rain water near the surrounding plantation for maximum utilization of rain water. After sufficient absorption in land, remaining water laterdrained out to municipal corporation drainage. Ladies hostel of institution has channelized the rain water collected from rooftop to openly flow in well as part of ground water recharging.

File Description	Document
Any additional information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

In order to maintain ecofriendly-ness of the campus, the college has undertaken 'Green audit' with the help of Department of Environmental Science, M. J. College, Jalgaon in 2018-19. The auditing authorities suggested few practices to be implemented in the campus for satisfactory fulfillment of the objective.

Institutional Green Practices implemented in the campus as follows,

- **Bicycles:** Few students and staff member use most ecofriendly vehicle namely bicycles, as their means of transport to the college from their native places.
- Society of the College has an electric mini-tempo vehicle for transportation of goods, preferably inside the campus, which do not cause pollution.
- **Public Transport:** A huge number of the students as well as teaching and non-teaching staff members use public transport systems namely buses and railways to commute to the institute. Student uses public transport for which college provides bonafide certificates for getting bus pass concession. This significantly reduces the number of private vehicles to be brought inside the campus which ultimately reduces air and noise pollution along with parking problems. The college announces 'No Vehicle Day' on every first Saturday of the month that contributes fruitfully to maintain campus ecofriendly.
- **Plastic Free Campus:** The College is committed to minimize the use of plastic in college premises. To begin with this, students and whole college employees are motivated to use paper bags or other biodegradable plasticwares for their routine tasks. Awareness is created among the students to know hazards of plastics in the society. Sanitary workers and peons are notified to collect plasticwares in separate dustbins and demolish them as suggested by 'Green audit authorities'. Institute take care of three 'R's' Reuse, Reduce and Recycle. Department of chemistry has been involved in chemical recycling of PET bottles.
- **Paperless Office:** The office of the college is almost computerized and an attempt to have a paperless office is on the way. The Institute is using electronic media for most of its office work such as issue of notices and maintenance of records. Also, clay-cups are regularly implemented for serving tea/coffee instead of paper cups, for the meetings/functions in college.
- **Green Landscaping:** From establishment, the institute is dedicated for Green landscaping with trees and plants. College organize tree plantation program wherein plants of different varieties are grown in the college premises. Use of harvested rain water, waste water and biodegradable solid waste is also proved to be fruitful for improving ecosystem of premises. Sincere efforts are taken by students as well as non-teaching staff for maintenance of plantations.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 3

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise

during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3	0	0	0	0

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 5

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	1	1

File Description	Document
Report of the event	View Document
Any additional information	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 5

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3	0	1	0	1

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Institution celebrates national festivals namely, Independence Day (15th Aug.) and Republic Day (26th Jan.) every year. Students and college staff attend the flag hoisting ceremony in college campus. Both these functions render the pride of nation among students and staff. Patriotic songs played on these occasions creates pride about nation and leaders who sacrifice for the nation. College also celebrates birth/death anniversaries of great Indian personalities including birth anniversary of Dr. Sarvapalli Radhakrishnan as teacher's day (5th Sept.), Swami Vivekanand as National Youth Day (12th Jan.), Dr. C. V. Raman (7th Nov), Mahatma Gandhi (2nd Oct.), Dr. Babasaheb Ambedkar (14th April) and commemoration day of Dr. A. P. J. Abdul Kalam (27th July) and Chhatrapati Shivaji Maharaj (3rd April). These celebrations create an environment to motivate students to become good citizen and inspire them to serve the nation in any field. Besides these, National Science Day (28th Feb.) and National Mathematics Day (22th Dec.) are also celebrated in the college to develop the interest for scientific temperament amongst the students. Ganesh festival is organized at boys and girls hostel in an enthusiastic manner which creates unity, harmony and team work ability in students.

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

College is committed to follow professional ethics by maintaining transparency in its core and auxiliary functions.

1. Financial transparency:

- All academic departments and administrative section are assessed with internal and external audit.
- Administrative office of college uses Tally software for financial aspects that bring more transparency in routine task.
- All financial deals regarding laboratory and other procurements are done through purchase committee after interaction with head of the departments.
- Purchase of books, journals, periodicals and e-subscriptions like Shodhganga, N-LIST etc. are duly sanctioned in the meeting with thorough discussion of library committee.

2. Academic transparency:

Following practices are undertaken during teaching-learning and evaluation process in order to maintain the transparency

- Keeping attendance record of students through memorandum of lecture
- Assessed answer sheets of internal examinations are shown to the students to clarify the doubt of the students.
- Assigning internal marks, weightage is given for day to day performance of student.
- Mark-lists of internal examinations are displayed on notice board within a week.
- Student redressal and grievance cell of college is also played major role in maintaining transparency among students by solving their complaints against various issues.

3. Administrative transparency:

- Recruitment of faculty strictly conducted without any direct or indirect interference of third party and as per the norms and regulations set by UGC, New Delhi, Govt. of Maharashtra and KBC NMU, Jalgaon.
- Admission process and scholarships disbursement to the students is done stringently following rules and regulations of concern agencies like university, UGC and Govt. of Maharashtra.
- Disbursement of the salary of college staff is done through their respective bank accounts.
- Both the process of admission and salary of the staff are online, which maintain the transparency.

4. Auxiliary transparency:

President and management board of institute often deals with the major level grievances, if any, that ensures about ample transparency in institute.

File Description	Document
Any additional information	View Document

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

The institution follows versatile practices for overall development of students and to create scientific temperament and research awareness amongst them. Two practices namely 'Prospective Researchers' Scheme (PRS)' and **PG Technologia** 'University Level Power-Point Presentation Competition' that considered as the best practices are described.

Best Practice 1:

1. **Title of the Practice:** Prospective Researchers' Scheme (PRS)
2. **Goal:** Main objective of this practice is to inculcate research attitude and enhance intellectual ability of post-graduate students by assigning fundamental and applied scientific projects for the social benefits.
3. **Context:**

The background scenario of this practice lies with the need of connecting students with the real time situations of research industries, during their formal education. As per the slogan of our society '**Think Globally, Act Locally**', college encourages students to do research in growing fields of local as well as global demands with innovation.

4. Practice: The scheme is implemented from the commencement of every academic year by allotting projects to aspirant groups of students. After exhaustive literature survey, students finalize their project topic along with materials and methods under the supervision of respective guides. Experiments are repeated for confirming and/or interpreting the results in precise way. Finally, the research work is examined by eminent referees and two projects from each subject are selected as winners of PRS. All the students of winner groups are felicitates with cash prize as token of motivation by college. Research articles based on all projects are published annually in the form of a compendium.

5. Evidence of Success:

So far, a compendium of research articles is published with ISBN authentication. Goals of the practice in the form of innovation by the students are evident from the interdisciplinary work exhibited from projects. After reviewing the success of whole practice carefully, it has been observed that, the scheme has inculcated the research attitude amongst the students which will helpful for their career and further doctoral degree.

6. Problems encountered, and resources required:

Main problem arise during implantation of this practice is lack of sufficient funds to procure few expensive but necessary chemicals and equipments. It also affects some peculiar characterizations of great importance. However, project supervisors have managed hurdles with extensive efforts such as collaboration with university and other institute of KCE society.

Shortage of time due to semester pattern of examination is another obstacle encountered during project. It was minimized by providing extra office hours and access to laboratories on holidays including Sunday by college authorities.

7. Notes (Optional): visionary management of the society always encourage students and teachers by providing the facilities for such innovative practices.

Best Practice 2:

- 1. Title of the Practice: PG Technologia :**University Level Power-Point Presentation Competition
- 2. Goal:** To develop presentation skill of students along with enhancement in the knowledge of the current scientific and technological trends and create competitive environment.
- 3. The Context:**

This competition is organized to imbibe following aspects:

- **ICT:** Inclusive presentations with animations, audio-visual clippings, graphics, simulations which enhance the beauty of presentation.
- **Body language:** Presentation with an appropriate gesture
- **Expressing power:** Use of simplified illustrative language which helps to understand the concepts easily
- **Confidence:** Enhance the stage daring to face mass audience of high intellectual level including subject expert judges
- **Group discussion (Interaction):** Ability to justify and convince the audience about queries
- **Time management:** To enhance the capability to finish off within the allotted time

4.The Practice

The organization of competition is the quality initiative of IQAC. Schedule and themes for the same are announced one month before the date of competition and communicated to the colleges and university departments. Themes for competitions are declared in the disciplines of Chemistry, Biotechnology and Microbiology. On scheduled date, the competition is held subject-wise. Candidates present their topic with their best performances in front of subject expert judges. Each candidate is allowed to present in total ten minutes out of which 7 minutes for presentation and 3 minutes for question-answers. Finally, referees evaluate the participants and select the winners of competition from each subject, based on their versatile performances. The winners are felicitated by offering the cash prizes and certificates by the auspicious hands of eminent guest. Other participants are motivated by giving the participation certificates. Feedbacks from the students and experts are obtained for further improvements.

5. Evidence of Success

Participating students expressed their views after competition that reveals the success of practice. Students specifically mentioned the improvement of confidence and presentation skills among them. The competition availed a platform to interact with subject experts and other participants for the exchange of knowledge. It also encourages them to participate on higher platform with boosted abilities. Organization of such a competition reflects in achieving the prizes at university level research convention, 'Avishkar' and university youth festival 'Yuvarang'.

6. Problems Encountered and Resources Required

- Since the college is non-aided, to generate the financial resources to execute the practice at grand level of organization.
- Lack of time for organization due to compact schedule of teaching-learning process and semester pattern.
- To prepare students for presentation up to the high level of competence and excellence is difficult for students from rural area.

However, college has successfully overcome these hurdles with rigorous, persistent, and patient efforts in this regard.

7. Notes (Optional)

Competition provides the platform for exchange of scientific and technological ideas with the experts of various department of university. All the information is also made available on college website.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The vision statement of our college is “To be the Premier Source for Science and Technological Education, empowering the youth, especially belonging to the underprivileged sections of society, through quality education by inculcating humanitarian values and enable them to meet the challenges of the contemporary knowledge society”.

The college ensures to impart the science and technological quality education to all the students for developing them as a good citizen having skilled base knowledge.

Institute is distinctive in the sense that, it is the self-financed college in Maharashtra, running only post-graduate courses in subjects namely, Organic Chemistry, Biotechnology, Microbiology, Mathematics and Statistics. Though college is running on purely unaided basis, out of 17 faculty members, 29.41 % are approved by university, 17. 64 % are Ph.D. and 29.41 % are NET/SET qualified. All the teachers area contributed as Examiners of theory and practical examinations and evaluation process at universty level. Twenty five percent of the teachers are in various bodes of university.

College is dedicated to meet its vision and mission with all regards. As a techno-savvy institute, good

blending of conventional blackboard teaching and advanced teaching-learning methods is observed in all departments. These methods are implemented through installation of five ICT enabled classrooms, two LCD projectors and twenty three computers. All these technological infrastructures are maintained with consistent electric supply, routers/ISPs and availing technical support by experts whenever required for service or up-gradation. The college has internet access to each computer. Around 200 users receive access to internet through such Wi-Fi and wired network.

College has signed MoU's with academic institute and a pharmaceutical company for training and research.

College conducts various best practices out of which, namely Prospective Researchers' Scheme and PG Technologia are the practices for holistic development of the students.

College availed the facilities of KCE society's Central Instrumentation Laboratory (CIL) in which various sophisticated instruments including UV-Visible spectrophotometer, High Performance Liquid Chromatography (HPLC), Thermo cycler-PCR, Gel-Doc, Gas Chromatography, Atomic Absorption Spectrophotometer (AAS), Fourier Transform Infra Red spectroscope (FTIR), Brookfield viscometer etc. are housed. Besides the Central Instrumentation Laboratory, college established a separate research laboratory to perform the research work. Faculties as well as students take the benefits of both above mentioned laboratories for experimental research, required for their academic projects and/or Ph.D. research work.

The college runs three certificate courses namely 'Certificate Course In Statistical Methods of Analysis', 'Certificate Course In Bio-analytical Techniques and Bioinformatics' and 'Certificate Course In Analytical Chemistry'. Among them, first course is self-governing and self-financed while other two courses are recently introduced which are self financed and approved by university under 181. All courses meet enough response from students of various streams. The certificate course in statistics enhances analytical and statistical skills amongst the students. Similarly, certificate courses in life sciences and chemical sciences increases the job oriented practical handiness.

Despite the small strength of college, students achieved new heights of success which reflects in achieving top ranks in the university merit list. Also, two students from college have qualified national competitive examinations like CSIR National Eligibility Test (NET) and one in Graduate Aptitude Test Engineering (GATE). Similarly, one student achieved Bronze medal in Cartooning competition of Yuwarang-2018 and faculty members as well as students actively participated in research festival – Avishkar, organized by affiliated university.

The efforts are also on to strengthen the research aptitudes amongst the faculty and students. It resulted in publishing 46 research articles in journals of national and international repute out of which 24 are in UGC listed journals. One staff member contributed in the publication of a book chapter namely, 'Chapter 23: Recent Advances in Nanostructured Polymer Composites' for Biomedical Applications' at an international level by Elsevier publications in 2019. In turn, it has also supported quality-learning experience of the students.

Recently in academic year 2019-20, NSS unit of 30 intake capacity has been sanctioned by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon which will help in organizing various activities such as Swachh Bharat Abhiyan, Beti Bacaho Beti Padhao, AIDS awareness program.

It is worthy to note that during the process of submission of Self Study Report (SSR), college received a letter on 29th November 2019 for the sanction of 2 (f) recognition to our college.

File Description	Document
Any additional information	View Document

NAAC

5. CONCLUSION

Additional Information :

- The college has introduced two new programs and three certificate courses to increase the employment opportunities of the student.
- Alumni Association has been established, registered and conducts periodic Alumni meets.
- ICT infrastructure has been augmented with the introduction of LMS, five smart classrooms etc.
- linkages has been develop with industry and academic institute through four MoUs
- Sufficient provision has been made for restrooms, common rooms.
- Establishment of IQAC for quality enhancement of the institution
- Scope to get 12(B) recognition by UGC

Concluding Remarks :

Recently , Collge has been recognised under section 2(f) of UGC Act ,1956.

The college is mindful of its responsibility in the overall personality development of students. State-of-the art infrastructural facilities developed on the campus coupled with ICT enabled teaching.

Flexibility to choose need-based, skill-based programmes, certificate courses. Practice of sustainable and environment-friendly procedures, memorandum of understanding (MoUs) with various national institutions. Robust feedback mechanism, well-planned examination schedule and continuous assessment of students are some of the hall mark features of the college.

Ph.D. awardees, publication of research articles in national and international journals are outcomes of encouraging research environment of the College.

The college takes pride in producing number of merit holders at university examinations and competitions in Yuvarang (youth festival).

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.3	<p>Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years</p> <p>1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>4</td> <td>4</td> <td>4</td> <td>2</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	5	4	4	4	2	2018-19	2017-18	2016-17	2015-16	2014-15	01	00	00	00	00
2018-19	2017-18	2016-17	2015-16	2014-15																	
5	4	4	4	2																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
01	00	00	00	00																	
1.3.2	<p>Number of value added courses imparting transferable and life skills offered during the last five years</p> <p>1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>Answer before DVV Verification : 01</p> <p>Answer after DVV Verification: 00</p>																				
2.1.3	<p>Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years</p> <p>2.1.3.1. Number of actual students admitted from the reserved categories year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>60</td> <td>51</td> <td>17</td> <td>17</td> <td>31</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>163</td> <td>133</td> <td>45</td> <td>39</td> <td>115</td> </tr> </tbody> </table> <p>Remark : DVV has made the changes as per list of students admitted from the reserved categories OBC, SC , ST for 2014-15 , 2015-16 , 2016-17 , 2017-18 and 2018-19 provided by HEI.</p>	2018-19	2017-18	2016-17	2015-16	2014-15	60	51	17	17	31	2018-19	2017-18	2016-17	2015-16	2014-15	163	133	45	39	115
2018-19	2017-18	2016-17	2015-16	2014-15																	
60	51	17	17	31																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
163	133	45	39	115																	
2.4.4	<p>Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years</p>																				

2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	2	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

2.6.3 Average pass percentage of Students

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.

Answer before DVV Verification : 43

Answer after DVV Verification: 40

2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution

Answer before DVV Verification : 67

Answer after DVV Verification: 67

Remark : DVV made the changes as per Extract report of total number of pass students for 2018-19 provided by HEI.

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

3.1.3.1. Number of research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification : 0

Answer after DVV Verification: 0

3.1.3.2. Number of full time teachers worked in the institution during the last 5 years

Answer before DVV Verification : 69

Answer after DVV Verification: 65

Remark : DVV has made the changes as per list of full time teachers provided in 3.1 by HEI.

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
16	6	4	2	5

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
16	4	3	2	2

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2	1	0	1	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : E-copy of the award letters of Krutadynata Puraskar (Gratitude Award) for 2015-16 , Gratitude award for 2018-19 not provide by HEI.

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

3.4.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
02	02	01	01	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
02	01	01	00	1

Remark : Report of Free Yoga Camp for 2017-18 not provide by HEI. DVV has not considered gender equity program for 2017-18 , Female feticide and Aids Awareness program for 2015-16.

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
8	5	1	1	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5	4	1	1	1

Remark : DVV has made the changes as per report of Dept. Mathematics, PGCSTR Jalgaon for 2018-19 provided by HEI. Report of Student exchange (Dept. Mathematics, M. J. College, Jalgaon) for 2017-18 not provide by HEI.

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

3.5.2.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2	1	0	1	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

Answer before DVV Verification : A. Any 4 of the above

Answer After DVV Verification: B. Any 3 of the above
Remark : DVV has not considered e-copy of Shodhganga membership for 2019-20.

4.2.6	<p>Percentage per day usage of library by teachers and students</p> <p>4.2.6.1. Average number of teachers and students using library per day over last one year Answer before DVV Verification : 10 Answer after DVV Verification: 12</p> <p>Remark : DVV has made the changes as per average of teacher and students using library per day on 11/12/2018 , 12/12/2018 , 13/12/2018, 14/12/2018, 15/12/2018.</p>																				
5.2.2	<p>Percentage of student progression to higher education (previous graduating batch)</p> <p>5.2.2.1. Number of outgoing students progressing to higher education Answer before DVV Verification : 4 Answer after DVV Verification: 2</p>																				
6.3.2	<p>Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years</p> <p>6.3.2.1. Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="304 1106 1046 1240"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>4</td> <td>12</td> <td>5</td> <td>5</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1319 1046 1453"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>3</td> <td>8</td> <td>4</td> <td>3</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	3	4	12	5	5	2018-19	2017-18	2016-17	2015-16	2014-15	2	3	8	4	3
2018-19	2017-18	2016-17	2015-16	2014-15																	
3	4	12	5	5																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
2	3	8	4	3																	
6.3.3	<p>Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years</p> <p>6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="304 1731 1046 1865"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>01</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1944 1046 2078"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>01</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	01	01	00	00	00	2018-19	2017-18	2016-17	2015-16	2014-15	01	01	00	00	00
2018-19	2017-18	2016-17	2015-16	2014-15																	
01	01	00	00	00																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
01	01	00	00	00																	

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
17	1	00	00	00

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
17	1	00	00	00

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
06	00	00	00	00

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2	1	2	1	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	2	1	1

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

7.1.8.1. Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0.01085	0.02455	0.02075	0.01735	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : DVV has not considered library books on green practices and Misc exp.

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	1	1	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
3	0	0	0	0

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
3	0	2	1	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	1	1

7.1.17	<p>Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years</p> <p>7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>1</td> <td>1</td> <td>2</td> <td>1</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	3	1	1	2	1	2018-19	2017-18	2016-17	2015-16	2014-15	3	0	1	0	1
2018-19	2017-18	2016-17	2015-16	2014-15																	
3	1	1	2	1																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
3	0	1	0	1																	

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of courses offered by the institution across all programs during the last five years</p> <p>Answer before DVV Verification : 304</p> <p>Answer after DVV Verification : 386</p>																				
2.2	<p>Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>80</td> <td>30</td> <td>30</td> <td>57</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>163</td> <td>133</td> <td>45</td> <td>39</td> <td>115</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	100	80	30	30	57	2018-19	2017-18	2016-17	2015-16	2014-15	163	133	45	39	115
2018-19	2017-18	2016-17	2015-16	2014-15																	
100	80	30	30	57																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
163	133	45	39	115																	
2.3	<p>Number of outgoing / final year students year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>73</td> <td>58</td> <td>00</td> <td>52</td> <td>56</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	73	58	00	52	56	2018-19	2017-18	2016-17	2015-16	2014-15					
2018-19	2017-18	2016-17	2015-16	2014-15																	
73	58	00	52	56																	
2018-19	2017-18	2016-17	2015-16	2014-15																	

178	137	00	51	110
-----	-----	----	----	-----

3.1 Number of full time teachers year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
18	17	11	10	13

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
17	16	10	09	13

4.2 Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
9.72178	14.18020	8.86635	6.280611	14.19281

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
9.249	13.726	8.510	5.986	14.011