



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

## **RAJARAMBAPU COLLEGE OF SUGAR TECHNOLOGY,ISLMAPUR**

**RAJARAMBAPU COLLEGE OF SUGAR TECHNOLOGY, ISLAMPUR BAHE  
ROAD, BAHE NAKA, ISLAMPUR TAL - WALWA, DIST - SANGLI PIN - 415409  
MAHARASHTRA**

**415409**

**[www.sugartechnology.in](http://www.sugartechnology.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**June 2023**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Rajarambapu College of Sugar Technology, Islampur which is affiliated to Shivaji University, Kolhapur is a pioneer higher education institution imparting quality education to the youth of rural, economically and socially weaker sections of the society since 2010. It was established by Krushival Shikshan Prasarak Mandal, founded by the visionary leader, Hon. Babasaheb Pawar. The institute is marching ahead for institutional excellence, driven by the values, aspirations and ideologies of its founder member Hon. Babasaheb Pawar, committed to the service to society and addressing different issues related to environment, has done pioneering work in conservation awareness campaigns, tree plantation and natural resource management. He has received 'Sakhar Udhog ani tyatil Shikshan' award in 2018, 'Remarkable work in sugar industry' award by government of Maharashtra in 2002 and many other awards.

Our college follows a philosophy of "Knowledge is a Power". Today in this 21st Century, the Sugar industry is one of the pioneer industries amongst all industrial world in India. But till this time, there is a lack of separate educational course providing the skilled expertise knowledge to step into the shoes of "Sugar Technologist" considering the development taking place in the Indian Sugar industry. This college was established with the intention of, establishing the expert skilled manpower required for sugar and allied industry.

The structure of courses, availability of huge in-plant Training, Laboratory facility, Library facilities will help the students in developing the confidence & power with knowledge in real life work environment. The college has good and competent and student caring faculties, advisors and academicians with highly expert knowledge in different aspects of sugar & alcohol technology.

The dynamic and enlightened Management are aware of educational needs of sugar industry and are actively involved in the functioning of the college. Dedicated faculty work towards attainment of educational outcomes. The secret of the success of the institution in its academic endeavour is attributed to the healthy support established between the Management, Faculty, Administrative Staff and the Students for their dedication to enhance quality in Higher Education.

### **Vision**

Leading Edge Technologist for the Sugar and Allied Industries.

### **Mission**

- To emerge as one of the most preferred institutes by providing high technical knowledge of sugar and allied industries.
- To impart quality education in the field of sugar and alcohol technology to achieve the needs of
- To prepare young technocrats with sound footing of basic technical & managerial skills, research capabilities to lead and use technology for the progress of sugar and allied industries.

### **Core Values**

1. Quality Education

2. Social Service

3. Sound Character

4. National Integration

5. Global Competence

6. Scientific Temper

7. Environmental Consciousness.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

#### **Institutional Strength:**

- Only one college affiliated to Shivaji University offering B. Sc. And M.Sc., courses in Sugar Technology.
- Competent, dedicated and experienced teaching and non-teaching staff. Emphasis on learner centric ICT based teaching-learning approaches and pedagogic innovations.
- Average percentage of placement over last 11 years is 97%.
- Extension activities through NSS to help neighborhood communities and instill value of team work to students.
- Access to Wi-Fi and internet to all in campus making operation of the institute smooth.
- Mineral water facility for students keeping in mind not many learning days wasted due to health issues.
- Dedicated and visionary management Optimum of lush green eco-friendly campus and infrastructure.
- Skill-based career-oriented certificate courses.
- All UG & PG courses are with choice-based credit system.
- Inplant training facility to students.
- Engagement with society through impactful extension activities.
- Average percentage of University Examination Results is- 95 %.

### Institutional Weakness

#### **Weakness:**

- Students are from financially weak background.
- Restriction in appointing permanent staff due to lack of Ph. D. programme in sugar technology at nearby Universities.
- Number of research collaborations and linkages need to be increased.
- No adequate hostel facilities for students
- Less representation and achievements by students in sports and cultural activities at University and

National level.

- Less number of publications in UGC Care-listed journals by the faculty.

### **Institutional Opportunity**

#### **Institutional Opportunity:**

- To enhance the number of MoUs and linkages for collaborative research, publications, seminars / symposia / workshops, exchange and sharing of resources.
- To start multidisciplinary education and validate the academic progress.
- More opportunities of better performance in sports and cultural activities.
- Harnessing research potential of faculty members and to intensify a strong research climate through funded research projects in sciences.
- Commencement of agro-based courses for entrepreneurial development.
- Strengthening of training for competitive examinations.
- Adoption of SWAYAM/NPTEL courses.
- To increase the number of skill-oriented courses.

### **Institutional Challenge**

#### **Institutional Challenge:**

- To attract the students towards Sugar Technology programmes.
- To improve use of ICT based pedagogical tools for teaching and learning process.
- To create awareness among students about higher level competencies and aspirations.
- Maximizing potential of alumni to contribute in terms of placement, finance and research.
- Infrastructural development to provide necessary impetus to Sports environment on campus.
- Implementation of National Education Policy (NEP).

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

#### **Criterion I: Curricular Aspects:**

1. The College is permanently affiliated to Shivaji University, Kolhapur and it follows the curricula prescribed by the University and follows the CBCS as well as NEP curricula prescribed by the university.
2. The College offers one UG program (Sugar Technology) and two PG

- programmes (Sugar Technology and Alcohol Technology) along with two certificate courses (DCS Operator and Distillery Plant Operator).
3. The IQAC prepare academic calendar and is followed in the conduct of curricular and extra-curricular activities.
  4. As our college is alone college in Shivaji University running Sugar Technology and Alcohol Technology programmes almost all the faculty members are working on curricula development of these programmes.
  5. The faculty undertake university paper setting and assessment work.
  6. Experiential learning is imparted through Inplant training field visits and projects work as per university curriculum.
  7. For smooth functioning of courses, the college follows academic calendar, Timetable, Departmental meetings and assignment work etc.
  8. The college conducts workshops, Seminars/Webinars as well as Guest Lectures for curriculum enrichment and enhancement.
  9. The Students undertake field projects as well as participate in Workshops and Seminars to enhance their academic skills.
  10. Apart from the curriculum, the College organizes various activities like environment protection activities like cleanliness drives, tree plantation, No-Vehicle Day, Plastic-free campus etc.
  11. The NSS unit actively run social activities that contribute to the awareness of these crosscutting issues.
  12. Offline feedback is collected from all stakeholders on the curriculum. Feedback is annually analysed and discussed in the staff meetings and suggestions are communicated to all concerned. Co-curricular and extra-curricular

activities have been implemented and monitored throughout the year by IQAC of the college.

## Teaching-learning and Evaluation

### Criteria II: Teaching-learning and Evaluation

1. Student enrolment is done strictly on the basis of merit and reservation norms in accordance with the guidelines provided by state government and university.
2. Institute provides all the free ship facilities given by the government to reserve categories students.
3. 21.87% of the permitted SC, ST, OBC quota are filled by the institution.
4. Most of the students are from rural background.
5. The institution has defined Program Outcome (PO), Program Specific Outcome (PSO) and Course Outcome (CO) for every program.
6. Student-faculty ratio 16.55:1.
7. To enhance learning experiences, various student centric methods are used by faculty.
8. College is conducting class tests, home assignments, open book tests, online tests and seminars as a part of Continuous Internal Evaluation (CIE).
9. Formative assessment is undertaken as per the CIE schedule and Students' performance is shared with them.
10. The college has transparent, time bound and effective mechanism to deal with examination related grievances.
11. Course outcomes are reflected in high passing percentage of students in examinations.

12. The university examination results of our college students are above 95%.

13. Various ICT tools including PPT and apps are used to make learning more effective.

## **Research, Innovations and Extension**

### **Criteria III: Research, Innovations and Extension**

College aims to create and support a research culture among faculty and students for enriching and enhancing professional competency.

1. The college organizes national seminars, workshops, and conferences to promote research activities among the teachers and students.
2. Faculty published 27 research papers in national/international reputed journals with high Impact factor and UGC approved journals in last five years.
3. 05 research papers were published in proceedings of various conferences.
4. College has a culture of extension activities through all departments and NSS unit. Activities like blood donation, oxygen park, environment awareness related activities, cleanliness drives, constitutional rights related activities, health and hygiene related activities are conducted to inculcate awareness about social, environmental and health related issues.
5. Average 50 % students participated in extension activities conducted in collaboration with industry, community and non-government organizations like lions club.
6. Involvement and participation of students and staffs in extension activities organized in the report period, by the college, had a very positive impact on students and staffs to improve their emotional, intellectual, social and personal development. Awareness programs naturally developed the holistic atmosphere in the college campus and in the neighbourhood society.

7. The college organized 9 workshops/seminars/conferences on entrepreneurship related to sugar and allied industries.

## **Infrastructure and Learning Resources**

### **Criterion IV: Infrastructure and Learning Resources**

Rajarambapu College was established in 2010 and spread over 0.5 acres area.

1. The college has adequate infrastructure and learning resources including seminar hall, fully equipped laboratories, computer and other support facilities.
2. The campus accommodates 07 classrooms to conduct regular classes, certificate courses, 04 labs and a well-furnished ICT- enabled seminar hall.
3. The college established a Reverse Osmosis Plant (RO) to provide clean water for drinking.
4. The academic programme of the college is enriched by laboratory experience.
5. The college campus is under CCTV surveillance.
6. The Internet facility in the College is having 50 Mbps speed.
7. The college has a well-stocked Library which is fully automated with LMS software.
8. The college has also started online mode of teaching through student friendly online platforms like WhatsApp, Google Meet, Zoom etc.
9. The departments offering courses in science subjects have well-equipped laboratories.
10. The college has adequate rented infrastructure for sports and games with well-developed grounds for Handball, Kabaddi, 100 meters track and Courts for Badminton, Indoor games like Chess, Carom etc.



11. The college has Canteen, offices for NSS, common Ladies room, IQAC room, SRPD, Staff room and Gymkhana room in the campus.
12. The other provisions in the campus are Display notice boards and separate vehicle parking area.

## **Student Support and Progression**

### **Criterion V: Student Support and Progression**

1. The College provides scholarships for the economically backward students under various Government Scholarships schemes, benefitted on an average 70% of students in reported period.
2. For the overall development of students, the College offers several capabilities enhancements schemes such as, Guidance for competitive examinations, Career and Personal Counselling.
3. The college has a robust student grievance redressal cell, Internal Complaints Committee and anti-ragging cell.
4. Through the Placement Cell of the College, around 95% students have been placed in many leading factories during the report period. 10% students opted for higher education.
5. Most of the students have participated in National, State and University level competitions of sports and cultural events.
6. The college also organise international yoga day, women's day and poster presentation competition etc.
7. Even though the Alumni Association is not registered they helped the college with active participation by guiding the students through lectures also helped the

student for placement in their factories. Which strengthens the relationship between the college and its alumni. Alumni Association have donated one printer and cupboard for the college.

8. All students are insured against accident and get benefit of it in any eventuality.

9. The efforts are made to build capacities and competencies of students by organizing workshops and training programmes to improve soft skills, communication skills, life skills and ICT skills.

## **Governance, Leadership and Management**

### **Criterion VI: Governance, Leadership and Management**

The mission and vision of the College are achieved through good governance, able leadership and effective management. The College is governed by the Local Management Council (LMC)/College Development Committee (CDC) which precisely plan, monitor, and evaluate the administration and academic procedures. Institution practices decentralisation and participative management by involving the Head of Departments, faculty members, students and alumni at different levels of decision-making.

IQAC works as the think tank of the college, initiates all the academic and administrative endeavours and suggests various schemes, activities and decisions to be resolute by the CDC through the principal, prepares its Perspective Plan and monitors activities.

Administrative strategies and decisions thereon are implemented strictly. Principal takes reviews of the functioning of all the committees including statutory ones and observes remedial measures. Official works are done in e-governance mode, preferably.

Several welfare measures are provided to the teaching and non-teaching staffs of the College. The College has organised 4 development programmes, workshops, lectures, etc for them. Around 29 faculty members have undertaken professional development programmes in their respective disciplines. The Institution ensures enhanced academic research with a well-equipped Library with access to various learning resources.

The financial statements of the College are well documented and are audited annually. The College initiates and takes all possible efforts towards resource mobilisation and generation of funds from various funding agencies.

IQAC has played a catalytic role in enhancement and sustenance of quality by framing the policies, by developing a perspective plan and by initiation of quality measures.

## **Institutional Values and Best Practices**

### **Criterion VII: Institutional Values And Best Practices**

The institute ensures the cultivation of different values of national and personal importance by undertaking different best practices. The institute has also motivated the students and faculty members to use the public transport and its response is admirable. The electricity is saved through the use of natural light and LED bulbs.

RCST takes necessary steps for gender equity and sensitization. We provide all possible opportunities & help to girls to participate equally with boys in all events organised by the institute as well as by other related institutes and in workshops, industrial visits and study tours. Internal Complaints Committee take prompt actions to deal with the safety issues, if any of girls. The college campus is under CCTV surveillance with cameras installed at all prominent locations. We strictly implement anti-ragging measures and keep the campus ragging free.

The main vision of the institute is to develop the skilled personnel required for the sugar and allied industry, in this point of view we have also arrange and celebrates the great leaders' birth anniversary and death anniversaries. Co-curricular activities through NSS facilitate students to participate in different activities in a adopted village where they involve in all community people. They practically learn tolerances towards cultures and living styles of others. Also, students will get idea of local problems and try to solve them. One of our best practices is productions of Bio-fertilizers and Bio-pesticides. The institution has decided to provide facility to the farmers to use the Biopesticides and Biofertilizers in the farm to avoid the chemical hazardous effect on the soil. Main aim of this production is to accelerate certain microbial processes in the soil, which augment the extent of availability of nutrients in a form easily assimilated by plants. Use of biofertilizers is one of the important components of integrated nutrient management, as they are cost effective and renewable source of plant nutrients to replace the chemical fertilizers for sustainable agriculture. Biofertilizers are supplement fertilizer supplies for meeting the nutrient needs of crops. They liberate growth promoting substances and helps to maintain soil fertility. They suppress the incidence of pathogens and control diseases. It maintains the pH of soil. They are cheaper, pollution free and based on renewable energy sources.

Another best practice is One Student One Plant. Environmental awareness has become part of our college culture and the college conducts environmental awareness activities since the establishment. One plant one student is an initiative in line of a green and healthy environment as a helping hand to this noble initiative and for making the college students socially responsible. All faculty members, administrative staff and management of the institutions are also participating in this movement. One student one plant will educate and encourage the student about the benefits of planting trees on our planet.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	RAJARAMBAPU COLLEGE OF SUGAR TECHNOLOGY, ISLAMPUR
Address	Rajarambapu College of Sugar Technology, Islampur Bahe Road, Bahe Naka, Islampur Tal - Walwa, Dist - Sangli Pin - 415409 Maharashtra
City	Islampur
State	Maharashtra
Pin	415409
Website	<a href="http://www.sugartechnology.in">www.sugartechnology.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Arun Nivrutti Basugade	02342-7888010299	9665728824	-	rcstcollege2010@gmail.com
IQAC / CIQA coordinator	Rahul Mohan Pawar	02342-222961	9273197471	-	rahul.pawarsugarch@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Day

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

State	University name	Document
Maharashtra	Shivaji University	<a href="#">View Document</a>

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				

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	Rajarambapu College of Sugar Technology, Islampur Bahe Road, Bahe Naka, Islampur Tal - Walwa, Dist - Sangli Pin - 415409 Maharashtra	Semi-urban	0.575	836.43

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/ Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No. of Students Admitted</b>
UG	BSc, Sugar Technology	36	HSC	English	150	93
PG	MSc, Alcohol Technology	24	B.Sc	English	100	90
PG	MSc, Sugar Technology	24	B.Sc	English	100	24

**Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				1				11			
Recruited	0	0	0	0	1	0	0	1	2	0	0	2
Yet to Recruit	0				0				9			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				15			
Recruited	0	0	0	0	0	0	0	0	6	9	0	15
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				10
Recruited	0	0	0	0
Yet to Recruit				10
Sanctioned by the Management/Society or Other Authorized Bodies				10
Recruited	7	3	0	10
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				0
Recruited	0	0	0	0
Yet to Recruit				0

### **Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	1	0	0	2	0	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	6	9	0	15
UG	0	0	0	0	0	0	0	0	0	0



Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female	Others	Total
		2		0	0

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
UG	Male	93	0	0	0	93
	Female	0	0	0	0	0
	Others	0	0	0	0	0
PG	Male	113	0	0	0	113
	Female	1	0	0	0	1
	Others	0	0	0	0	0
Certificate / Awareness	Male	23	0	0	0	23
	Female	0	0	0	0	0
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	15	5	8	8
	Female	0	0	1	1
	Others	0	0	0	0
ST	Male	0	0	0	1
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	21	21	21	19
	Female	1	1	0	0
	Others	0	0	0	0
General	Male	120	143	78	91
	Female	2	5	10	6
	Others	0	0	0	0
Others	Male	22	8	20	14
	Female	1	1	3	3
	Others	0	0	0	0
<b>Total</b>		<b>182</b>	<b>184</b>	<b>141</b>	<b>143</b>

### **Institutional preparedness for NEP**

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>With a view to imparting holistic and multidisciplinary education, the college provides, alongside regular courses, several self-learning non-credit courses of interdisciplinary nature offered by the affiliating university. These are offered to students of Science stream- ‘Democracy, Elections and Good Governance’ ‘Environmental Studies’ ‘Introduction to the Constitution of India’ and ‘Waste water management’. The college visualizes a transformation towards integrated approach in near future by offering courses of interdisciplinary nature within the framework of university guidelines. Already, the university CBCS pattern which the college follows allows certain freedom in the choice</p>
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	of subjects. In future we plan to provide more flexibility and choice for all programs.
2. Academic bank of credits (ABC):	The college follows the Choice Based Credit System of the affiliating university wherein all the UG and PG programmes have credit-based syllabi. The scheme per course is four credits. We have registered with Academic Bank of Credits (ABC) through National Academic Depository, Ministry of Education, Government of India.
3. Skill development:	In accordance with the National Policy on Skill Development, the college has been imparting skill based short term courses every year covering substantial number of students. The range of skills imparted is wide. Entrepreneurial activities through workshops, in-plant training and training programmes on varied skills such as Bio- Pesticides making, Sanitizer making and Bio-fertilizers making, water and soil analysis are regularly conducted. In the view of NEP 2020, we organized Awareness programs for farmers of different villages to improve the yield of their crop.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	We always promote education in English language along with mother tongue. Because we know that mother tongue is the best option to get deep knowledge of the subject. The stakeholders of the institution make use of Marathi and English. Subjects are taught in English, however, difficult concepts, theories and practical are explained in Marathi. Institution takes special efforts to preserve Indian culture and traditions through various activities such as Traditional Day celebration, dance, singing, dramatics, celebration of festivals, Annual Social Gathering etc. which we inculcate Indian culture and values.
5. Focus on Outcome based education (OBE):	The institution has already transformed from the traditional system to Outcome Based Educational system (OBE). The university frames syllabi of all the courses. However, many teachers are involved in the process of updation of university curricula to align with the latest knowledge requirements. The university syllabi mention course outcomes. Programme Outcomes, Programme Specific Outcomes and Course Outcomes are identified and displayed on college website and on notice boards. Pedagogy is designed and used in teaching-learning

	practices to achieve the learning outcomes. Suitable formative assessment is undertaken to test the achievement levels of students. POs, PSOs and COs are calculated on the basis of direct and indirect methods. Activities (seminars, study tours, workshops, etc.) are designed with specific mention of outcomes. We always focus outcome based learning.
6. Distance education/online education:	The college runs YCMOU, Nasik Distance Education Centre to provide education through distance mode. Efforts will be made to provide online education in near future. Software, website, Apps, open access online applications for conducting classes and testing are used. Blended learning is adopted by many teachers. The institution makes use of online mode from admissions, administration, accounting to communication. Our faculty members always prefer, use of recent pedagogical technology to promote ICT based teaching and learning.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, we have set up ELC. The Committee is 1) Mr. Shekhar Chavan ---- Nodal officer 2) Mr. A. S. Maner ---- Member 3) Mr. R. M. Pawar ---- Member 4) Mrs. M. M. Patil. ----- Member 5) Mr. H. P. Desai ----- Member (student)
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, It's functional.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	This committee is working for making awareness about voting and of vote. Our members along with students have made awareness among the students of our college who have completed 18 years and who are about to enter in 18 years of age. Also we have registered the students who have not yet registered.
4. Any socially relevant projects/initiatives taken by	No.

<p>College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>5 to 10 percent students are yet to register.</p>

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
182	184	141	143	127

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 29

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
11	08	05	05	05

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
6.08	5.66	6.54	6.56	5.33

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1

**The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

**Response:**

The college is affiliated to Shivaji University, Kolhapur and it follows CBCS pattern, academic calendar and curricula of the university. The college admits students as per the rules and regulations of the university and the Government of Maharashtra.

Prospectus is published every year to provide information about programmes and courses for UG, PG and certificate courses. The syllabi of all the courses along with POs & COs are made available on the website.

#### **Curricular Planning and Implementation**

At the beginning of the academic year, the IQAC prepares institutional academic calendar in accordance with the university annual calendar. As per academic calendar, general time table is prepared and displayed on notice board and on the website. Heads of department conduct departmental meetings and prepare departmental calendars and time table based on work distribution. The proceedings are recorded in minute books.

For effective delivery of the syllabi, departments adopt traditional and ICT-based teaching methods. In addition, student-centric methods such as seminars, group discussion, field visit and projects & Technical Essay are used. Students' performance is evaluated through a variety of tests, home assignments and semester examinations. Result is analysed and communicated to students. The poor performers are supported with personal guidance, study materials and other means. The best ones are motivated to obtain advanced knowledge in the subject. COs, PSOs and POs are kept in sight during curriculum delivery.

#### **Curricular Enrichment**

Curricular enrichment of programmes like skill-based short term courses as well as UG & PG are conducted. Cross-cutting issues-, environmental awareness are emphasized in classroom teaching as well as by organizing various activities. In addition to the central library, departmental libraries provide reading materials. E-resources prepared by teachers are also made available. Our staff is engaged with the curricular development as per guidelines of University & NEP.

#### **Review of Curriculum Delivery System**



The IQAC reviews the teaching-learning process at the end of the academic year through Academic Audit. Academic performance of the departments is rated based on several indices and suggestions are made to enhance curriculum delivery. Students' feedback on teachers and teaching-learning processes help in ensuring quality of the curriculum delivery system. At the end of every academic year, feedback on curricular aspects is taken from stakeholders.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

<b>1.2.1</b>	
<b>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</b>	
<b>Response: 2</b>	
File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### Other Upload Files

1

[View Document](#)

## 1.2.2

***Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years***

**Response:** 11.33

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
23	30	25	07	03

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1

*Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum*

**Response:**

**Response:**

The course on 'Democracy, Election and Good Governance' at B.Sc. Part I and the course on 'Environment studies' at B.Sc. Part II contribute to inculcate awareness about these specific cross-cutting issues among the students. The compulsory course on 'Democracy, Election and Good Governance' brings awareness among students about the democratic values, and individual's rights and responsibilities specifically. The course on 'Environmental Studies' focuses on inculcating environment awareness among students more effectively.

The compulsory course in 'Environmental Studies' assigns a compulsory project work to students and some of the titles of the projects are global warming and its effects on the environment, Incidence of Deformation among the population & environment, Green House Effect, Sand Mining, The Effect of Flood, Environment Assessment of Industrial Water Pollution etc. NSS also offers a wide platform to orient students regarding this and to acquaint students with these issues, as NSS is introduced to students to do so.

#### **Cross-Cutting Issues through Activities**

The institution consciously makes efforts to inculcate universal values such as equality, social service and environmental awareness. Departments organize awareness lectures, rallies, day celebrations, social outreach programmes, etc. related to cross-cutting issues. Projects, study tours are organized to create

awareness about cross-cutting issues.

### ***Professional Ethics***

These are inculcated through internships, project-based activities, Field Visit and Personality Development programmes.

### ***Human Values***

Institute organize lectures on human values in sugar & allied industries. Our Institute staff distributing mask, Sanitizer, fruits in covid 19 pandemic to poor & needy people in the society. NSS unit organize activities promoting human value.

### ***Environment and Sustainability***

The college promotes environmental awareness through departmental activities. College celebrate World Environment Day (5 June), No Vehicle Day (NVD). College organize Sugarcane Trash Management Program in different villages. It helps to reduce air pollution as well as increases phosphate content in soil. Our NSS unit is always active in programs like Tree plantation, Oxygen Park, Water conservation, save energy, Gram Swachata Abhiyan.

The college conducts regular Green Audit and Energy Audit to monitor the activities of cross-cutting issues.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### **1.3.2**

**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 100

#### **1.3.2.1 Number of students undertaking project work/field work / internships**

Response: 182

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

### 1.4.1

*Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website*

**Response:** C. Feedback collected and analysed

File Description	Document
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 45.73

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2021-22	2020-21	2019-20	2018-19	2017-18
78	96	56	54	59

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
150	150	150	150	150

#### File Description

#### Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

*Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 20.67

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2021-22	2020-21	2019-20	2018-19	2017-18
14	10	8	12	18

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

2021-22	2020-21	2019-20	2018-19	2017-18
60	60	60	60	60

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

**Student – Full time Teacher Ratio**  
(Data for the latest completed academic year)

**Response:** 16.55

## 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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

In the teaching-learning process, teachers concentrate on the actions of student-centric approaches. Presentations, seminars, various types of group discussion, quiz, laboratory demonstrations, student-centric field-based experiential learning, field visits, industrial visits, study tour, projects, are conducted to promote experiential learning & implant training.

**Experiential Learning:** True to the spirit of Confucius' words, 'I do and I learn', the following methods of learning through engaging students directly in authentic experiences are followed- laboratory practicals, internships, field work, study visits to industries, agriculture research station. The college promotes the participation of students in the activities such as Lead College Scheme workshops, Youth Festivals, inter-zonal and competition organized by Shivaji University, Kolhapur. The faculty of the college gives priority to activity-based learning. All type of learning other than theoretical learning comes under experiential learning such as practical work in the laboratory, study tours, excursion tours, on the job training, special departmental activities, project work, activity based learning, field visits. In our institution for almost all subjects, University has prescribed practical courses, through such practical courses, our students get well acquainted with practical knowledge of the subject. They acquired deep knowledge of the subject through such type of practical course in the laboratory. The project work is included in the last year for sugar & alcohol department Department of Alcohol technology, Department of Sugar technology organises such departmental activities. The college provides ICT Facilities and training for its usage to the teachers. The college also organizes Co-curricular, Extra-Curricular, sports and Cultural events which will help the students in developing their overall personality. In addition to this, efforts are made to motivate the students to participate in various activities organized by Shivaji University and other colleges.

- **Participative Learning Methods:** To promote active learning, teachers provide group activities such as group assignments, group projects, group discussions, seminar presentations; Each student is given the opportunity to voice his or her own views. In the classroom, students are encouraged to ask questions and express their opinions. The students are encouraged to create posters, group projects and other materials.
- **Problem solving methodologies:** Students are given opportunities to participate in competition, which improve their confidence and problem-solving abilities. The subjects like Mathematics, Statistics and Sugar capacity calculations & Clarifications will explore the problem solving methodology. Also the student will learn the actual problem solving during their implant training.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

**Percentage of full-time teachers against sanctioned posts during the last five years**

**Response:** 100

#### 2.4.1.1 Number of sanctioned posts year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
11	8	5	5	5

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.4.2

***Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)***

**Response:** 26.47

#### 2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
03	01	01	02	02



File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1

**Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient**

**Response:**

Continuous internal evaluation is the most important where the semester system is adopted. Because in semester system students are evaluated at the end of semester only. But micro level learning of the subject needs continuous evaluation of the student which brings best quality knowledge of the subject. Keeping this in mind, our college applied continuous internal evaluation system for our student. The methods adopted by our faculty are unit tests, oral examination, chapter wise group discussions, open book test, quiz competitions etc. To bring the variation in internal examination and evaluation, the college administration gives freedom to departments to select formative evaluation approach which includes: Multiple choice questions tests, Unit test, Home Assignments, Seminars ,Class test, Surprise test, Project report, Oral tests, Quiz.

The institution has developed an effective mechanism for efficient and transparent internal evaluation through examination committee. In order to ensure transparency in internal assessment, the system of internal assessment is communicated to the students well in advance. The principal organizes meetings of the staff members and directs to ensure effective implementation of the evaluation process.

Unit tests are conducted regularly as per the schedule given in academic calendar every year for each class. The performance of the students in test is displayed on the notice board as well as communicated to the students on a open day. Personal guidance is given to the students who have poor performance in the test. Project work of the students is one of the important aspects of collaborative and participative learning. Students undertake project as per the needs of the industry as well as research. The projects are evaluated by the concerned teachers. Submission of assignments, journals and projects are time bound.

Regular attendance at the practical and theory lectures of the students are also assessed by keeping record of attendance sheet.70 % attendance at theory as well as practical is compulsory for the students to

appear final examination. IQAC monitors preparation of its academic calendar at the beginning of academic year and its effective implementation as well.

The effect of all these internal exam systems was very good. We the best result at semester end examination.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1

*Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website*

#### Response:

**Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.**

The Vision and Mission statements of the college and displayed on the college website and college campus. Vision and Mission statement has been frequently highlighted by the Principal and faculty members in their address to the student in various programs. The institution has the overall objective of developing, leadership qualities and community engagement among students. The institutional learning outcomes are employability, holistic education, citizenship behavior. which are envisaged in our vision and mission statement. Students are enlightened about new concepts, new ideas and the advanced

knowledge they will acquire on learning the respective course. The institute follows the curriculum of the programs designed by the Shivaji University Kolhapur. POs, PSOs and Cos are displayed on college website For the effective implementation and delivery of the curriculum, the college revised POs, PSOs and Cos, by the HODs after brainstorming with the faculty members.

1. All Heads of Departments were requested to frame the POs, PSOs and Cos along with faculty members from their respective departments. The faculty members teaching the same course/paper have framed course outcomes collectively.

2. All the Program me Outcomes, Program Specific Outcomes and Course Outcomes are submitted to the IQAC.

3. It was found POs, PSOs and Cos on notice board & after receiving the POs, PSOs and Cos the performance of the student it observed that POs, PSOs and Cos

4. The Principal holds regular meetings with the Heads of Departments. At these review meetings, the faculty members have been requested to revise course outcomes for all courses.

5. The program outcomes, program specific outcomes and course outcomes are prepared after thorough deliberation and discussion with the faculty members.

6. The college displays the course program outcomes, program specific outcomes, and Course Outcomes of all program namely. B. Sc./M. Sc. on the college website and communicate same to the students via, whats-app groups, Email, and Google classroom. POs, PSOs, and Cos are also displayed on the Departmental notice boards. The Head of the departments and the concerned class tutor also explain various program outcomes to the students in the various departmental meetings and programs. They also explain the pattern of questions in examination and its connections with the course outcomes. The subject teacher communicates with the students about the POs, PSOs, and Cos at the beginning of sessions. Semester-wise and Paper wise expected outcomes are clearly laid out so that students understand what is expected of them when they graduate. Student feedback is taken at the end of the academic session. This is helpful to observe achievement in course outcomes and learning outcomes. Through the academic and administrative audits, teaching-learning and assessment processes are reviewed by IQAC. Also student feedback is analyzed for achievements of various outcomes. The college tries its level best to achieve all outcomes with directed efforts.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.2**

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words**

**Response:**

There is only one tool available to measure the attainment of PO's, PSO's and CO's is University examination results. Every year we analyze our University result and we decide our attainment of PO's, PSO's and CO's at the college level. Up large extent, we are successful in producing good results in the range of 92% to 100% at University examination every year. Since from last more than 10 years we are continuously producing good results at University examinations. All our efforts in various fields of higher education are reflected in our Mumbai University results. All the results are available at the website of our college. The attainment of the PO's, PSo's and CO's is also important because these are the objectives of different courses. The attainment of those outcomes are also checked through internal assessment also. The internal assessment contains group discussion, seminar.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.3**

**Pass percentage of Students during last five years (excluding backlog students)**

**Response:** 96.73

**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
45	57	54	52	29

**2.6.3.2 Number of final year students who appeared for the university examination year-wise**

**during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
48	60	55	52	30

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey**

<b>2.7.1</b>	
<b>Online student satisfaction survey regarding teaching learning process</b>	
<b>Response: 3.56</b>	
<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

#### 3.1.1

*Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)*

**Response:** 0

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

#### 3.2.1

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

Department of Microbiology have developed biofertilizer such as, acetobacter, potashshakti, decomposer, metashakati, phospohshakti. A *biofertilizer* is a substance which contains living micro-organisms which, when applied to seeds, plant surfaces or soil, colonize the rhizosphere or the plant. Department have engaged in activities like research and development, extension, training & transfer of technology. Continuous research in the field of agricultural and industrial microbiology of sugar industry, contributed to the soil fertility management, diseases, pest management and increasing crop productivity. The department has major contribution with respect to development of new methodology for mass production of biofertilizers, organic manures & vermicompost through intense research. The department also provides guidance to farmers about sugarcane trash management. Department has well established laboratory where microbial analysis biofertilizers, biopesticides, compost and enriched compost are carried out for samples taken from farmers.

During covid 19 period Sugar technology department produced Sanitizer which is very useful for local people as disinfectant. This product is successfully prepared by M.Sc. student under guidance of faculty members. Sanitizers have ethyl alcohol, isopropyl alcohol and the antibacterial substance triclosan.

Sugar technology department have also developed sugarcane jam & jellies from sugarcane juice. The high sugar and low acid blend of sugar juice make it delicious and palatable. The pH value of juice ranged 4.0 to 4.5 and the very low acidity 0.05 % to 0.18 % in citric acid of the juice, which strongly influences the processing operations. These products viz. jaggery, sugarcane juice concentrate, powder jaggery, rab, vinegar Jam jelly etc. are not only nutritious but also have great potential in local market.

To inculcate some innovative & research oriented ideas among students. We have tried to obtained ethanol from Jaggery in our laboratory. The concentration of Alcohol is better (1.1 %) than sugarcane (0.8 %). Through all these activities we have created & transfer the knowledge & also got improved results.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.2.2

*Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years*

**Response: 9**

**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3	2	2	1	1

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 3.3 Research Publications and Awards

### 3.3.1

**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years****Response:** 0.93**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	3	12	11

<b>File Description</b>	<b>Document</b>
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	<a href="#">View Document</a>
Link to re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>
Links to the papers published in journals listed in UGC CARE list or	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.3.2****Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 0.17**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2	0	2	1	0



File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.4 Extension Activities

#### 3.4.1

**Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.**

**Response:**

**Response:**

The college holds a number of extension activities in the neighbourhood community every year to make aware the college students towards the various issues of society in daily life. It has been observed that to bring social, cultural, and environmental changes in the society, students should always be sensitized.

#### **Social Extension**

It has been found that the students like to involve in the health awareness activities held by college in the neighboring society. Our Institute staff distributing mask, Sanitizer, fruits in covid 19 pandemic to poor & needy people in the society. National Service Scheme play a major role for conducting community based activities in the society and creating awareness about the health related issues effectively.

Specifically, the National Service Scheme (NSS) adopts a particular village and Seven Days Special Camp has been organized. During the camp, NSS unit believes to work on community oriented/benefitted activities like tree plantation, repairing of roads, cleanliness, water-conservation, digging pits for toilets in the adopted village. Such activities are resulted largely to makeover the basic amenities of village community as increasing water table, maintain healthy environment, reduce temperature, rise up social and national integrity among the villagers which sensitize the students to social issues.

#### **Impact of Extension activities in sensitizing students to social issues and holistic development:**

The college continuously pays attention to overall development of the students. It also believes that producing sensible citizens is a prime function of the college. So, by conducting/ organizing community based activities, college gives them more exposure for performing their responsibilities for society during their college life. The accomplishments like cleaning, hygiene, sanitation and garbage disposal at college campus and surroundings of the adopted village creates awareness about the healthy society.

**Extension services for Farmers**

Water is most scarce and costly input in sugarcane cultivation and its availability in right quantity at the right time has become major constraint in achieving substantial sugarcane production. Realizing the importance of water as a national resource, its efficient utilization for crop like sugarcane by most scientific way is the need of an hour. Our College was engaged in Research and Development, Extension and Training activities related to sugarcane irrigation management at sugar farms in the neighbouring villages with the mission to bring about improvement in economic status of farmers by application of an appropriate, innovative, modern and cost-effective strategy as regards to sugarcane water management.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**3.4.2****Awards and recognitions received for extension activities from government / government recognised bodies****Response:**

As our college has not received such awards and recognitions. So we have treated the metric no. 3.4.2 as an optional metric.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**3.4.3*****Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.***

**Response:** 13

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
4	0	3	3	3

  

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1

*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.*

**Response: 1**

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

**The Institution has adequate infrastructure and other facilities for,**

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

**Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)**

#### **Response:**

The college is built in 0.575 acre of land on which spacious building fulfill various infrastructural requirements of the college. The college has sufficient infrastructural and physical facilities for teaching learning process, such as classrooms, laboratories, computers, office, library, staff-room, seminar hall, department rooms, common room and equipments etc. Infrastructure facilities are optimally utilized considering academic calendar of the college.

One graduate and two postgraduate program were conducted in the college. All programs and certificate courses are conducted in the full day sessions among 06 classrooms available for teaching and learning. Seminar hall is equipped with LCD projector & screen which are used for conducting ICT lectures as per scheduled time. The campus is surrounded by greenery and had open space.

#### **Laboratories:**

Laboratories are functional part of any science departments. Our College has four Laboratories i.e Sugar, Alcohol, Microbiology, Chemistry Laboratories. All science laboratories are equipped with Instruments & glasswares along with a computer having internet facility.

#### **Library:**

The college has a well-furnished library and reading room along with the text of curricula and reference books, magazines, question paper bank, e- books, e-journals and photo copies of rare books related to sugar industry. In addition, departments are having their own departmental library. Students use library facilities for reference work for their projects regular study. Library also provides INFLIBNET facility.

#### **Computer Facility:**

College has one graduate and two post-graduation programs namely B.Sc. and M.Sc. Sugar Technology and M.Sc. Alcohol technology. The college has ten computers with internet facility to students to enhance the practical knowledge and skills. Online Tests, Online Registration, staff training programs and other facilities are provided through this facility. Campus is linked with Wi - Fi facility having 50 Mbps speed. CCTV facility is available in the campus for discipline and security of students.

**Sports Activities:**

Since the college has rented ground which has sufficient space for outdoor sports like 400 Mt running track with field events and indoor (Chess, Carom) games. College encourage students to participate in sports events at various levels like University, state & national levels.

Every year annual sports for college students is organized. Most of the students participate in various games with team and individual. Prizes to first three prize winners are honored with medals and certificates during prize distribution ceremony. International Yoga Day is celebrated on 21st June every year.

**Cultural Programs:**

Our college celebrates 'Traditional Day' and 'Cultural Day' that encourage the students to groom the inherent talents. Our students also participate in various programs organized by Shivaji University like Youth Festival etc.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**4.1.2**

*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 27.91

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0.37648	2.28882	1.24235	1.53921	2.97215

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1

*Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students*

#### Response:

The library is the soul and knowledge resource of the college. It provides timely and efficient services to its users. It has a collection of 1053 books, 06 journals and Magazine, 06 Daily News Paper. Students, teachers, researchers and members of administrative staff use the library resources. Alumni of the college also use library resources- books as well as e-resources for their Problem at working place. Library has sections like books, periodicals, reference. Reading hall have a capacity of 50 users. All the books have been classified with the Dewey decimal classification. News paper cutings and news papers, syllabus, previous year university exam question papers and free pdf downloads, e-books, e-textbooks are also available. The library staff organizes book exhibitions and library day celebration in order to create awareness about reading.

The Library has 4 computers for students along with 50 mbps optical cable line and Wi-Fi facilities.

Our Library has newly purchased RF-LIB-MAN Modules. This Library Automation Software has requisition Procurement, Vendor quotes, comparative statement, supply chain order & follow-up, Invoicing & accessioning, Payment requisitions, Loss of books/missing/display, Book indexing, Department-wise transfer of books, Biometric for borrower identification, Document circulation - issue, return & renewals, Reference book issue return facilities.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1

**Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

*Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

**Response:**

**Institution frequently updates its IT facilities including Wi-Fi**

Rajarambapu College of Sugar Technology updates and upgrades its IT infrastructure regularly to make it at par with current best standards, to meet changing need of faculty members and students. The college updates hardware and software as per needs. All students and faculty members use internet and other IT facilities.

New computers with latest configuration are included in office and departments as per requirement along with anti-virus. Broadband Internet bandwidth of 50 mbps speed is used in college campus with LAN. Internet access available at computer, office, library and all the departments of the institute.

This enables students to operate computers and share data easily by wired LAN connection. Printing facility is also available in library. The college has sufficient number of computers with Wi-Fi data card/modem facility used for wireless internet connection.

The Seminar hall also has LCD projector facility which helps in effective teaching and also in PPT presentations, video lectures.

As per guidelines of University authority we use Security Remote Paper Delivery (SRPD) system introduced by Shivaji University, Kolhapur for conducting their under-graduate, post-graduate and other courses examinations at college. It is system which maintains transparency in conducting university examinations. The system involves the use of computer and high speed photocopying machine for speedy delivery of question paper.

5 computers are used for office & administrative work and other purposes. The details are given below.

Sr. No.	Device Name	Configuration/Company Name	Total
1	Computers	Intel (R) core (TM) i515 cpu@2.00GHz	

		Ram 4.00 GB, 64 Bits, Windows 10 Pro	
2	Laptop	Dell	01
3	Projector	HITACHI	01
4	Printer	Canon	03
5	Internet Modem	DIGISOL & TP Link 30002 mbps Speed	
6	WIFI Data card (for WIFI Connection)	Idea	01

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**4.3.2**

**Student – Computer ratio (Data for the latest completed academic year)**

**Response:** 60.67

**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

Response: 03

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**4.4 Maintenance of Campus Infrastructure****4.4.1**

*Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*

**Response:** 3.83

**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic**



**support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0.13414	0.1692	0.26781	0.2373	0.34675

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

*Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 50.97

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
62	79	97	119	39

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 5.1.2

*Following capacity development and skills enhancement activities are organised for improving students' capability*

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

**Response:** B. 3 of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.1.3

**Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

**Response:** 14.93

**5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
34	32	20	13	17

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.1.4

***The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases***

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

**Percentage of placement of outgoing students and students progressing to higher education during the last five years**

**Response:** 71.48

**5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
42	51	42	36	27

**5.2.1.2 Number of outgoing students year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
59	70	57	54	37

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2

*Percentage of students qualifying in state/national/ international level examinations during the last five years*

**Response:** 0

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

**5.3.1**

**Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**Response: 6**

**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**

2021-22	2020-21	2019-20	2018-19	2017-18
1	2	3	0	0

**File Description****Document**

Upload supporting document

[View Document](#)

list and links to e-copies of award letters and certificates

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

**5.3.2**

**Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**Response: 2.4**

**5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	2	5	2

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1

**There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services**

**Response:**

**5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services**

**Response:**

The institution has a not yet registered Alumni Association, but we have Alumini association which has been established as per the institutional Act, 1860 with the name '**Alumni Association' Rajarambapu College Of Sugar Technology Islampur Tal- walwa, Dist –Sangli.**

a) Date of establishment of the college: **September - 2010**

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

The Association is run by an Executive Committee consisting of 13 members as given below

Sr. No.	Name	Designation
1	Patil Rahulsinh Rajendrasinh	President
2	Ghalasasi Dipak Madhusudan	Vice-President
3	Kambale Mhalappa Prabhu	Secretary
4	Pawar Rahul Mohan	Treasurer
5	Mane Rohit Chandrakant	Member
6	Patil Digvijay Vilas	Member
7	Pawar Suraj Dipak	Member
8	Jadhav Sonali Rajendra	Member
9	Deshmukh Sunil Bajirao	Member
10	Pawar Dipali Manik	Member
11	Patil Sandip Sadashiv	Member
12	Kavathekar Gulfam Gani	Member
13	Magdum Abijeet Vijay	Member

The Association holds one annual general body meetings and two executive committee meetings every

year. Alumni Association is a dynamic, motivational speeches and lectures, training in employability skills and placement services are to be given by our alumini to present students. The Alumini Association donated one printer and one cupboard to the college. The college alumini is very active, which helps to build a good network between the college and the alumni. The members of alumni association are representatives of the college IQAC and give valuable suggestions in planning the programmes.

### **Non-Financial Contribution –**

1. The alumni contributed in policy making by their representation in the statutory and academic body of the college.

2. Majority of alumni resides in the surroundings of the college area. Thus they help to make NSS camp and other relevant activities smoothly in the villages.

3. The alumni working in factories gives free guidance about their field to the students of our college.

4. The Alumni Association is working to contribute for society through various activities.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>



## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

*The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

#### Response:

**VISION:** Leading Edge Technologist for the Sugar and Allied Industries.

At present there is a lack of separate educational course providing the skilled expertise knowledge in sugar industry. The college was established with the intention of, establishing the expert technologist required for sugar and allied industry.

#### MISSION STATEMENTS:

- To emerge as one of the most preferred institutes by providing high technical knowledge of sugar and allied industries.
- To impart quality education in the field of sugar and alcohol technology to achieve the needs of and allied industries.
- To prepare young technocrats with sound footing of basic technical & managerial skills, research capabilities to lead and use technology for the progress of sugar and allied industries.

The hierarchical structure of the administration of college- from the Management to the lower strata adheres to the Vision, Mission statements. It is reflected in the programmes and activities organized during the assessment period. The governance system of the institution is dynamic, progressive, democratic and transparent. It is highly responsive to the changing educational needs of 21st century. The Perspective Plan (to 2021-2022 to 2025-2026) is the road map which reflects the Vision and Mission statements of the institution. The Plan is the product of participatory decision-making process wherein the Management, Principal and faculty have contributed. It covers a broad spectrum of areas like curricular enrichment, reforms in teaching, learning and evaluation, promotion of research culture and extension activities, augmentation of physical and academic infrastructure, efficient and transparent administration, functioning of IQAC and environmental sensitization. The college has well qualified faculty and competent administrative staff who work under the constant guidance of the principal and they try their level best to provide young technocrats with sound footing of basic technical & managerial skills, research capabilities to lead and use technology for the progress of sugar and allied industries. College Development Committee (CDC) comprises of three teacher representatives who actively participate in decision making. Heads of departments, conveners and members of committee also get ample scope in decision making regarding general administration of the institution as well as the processes of imparting quality education. We take each and every decision keeping in mind our social responsibilities and the need of local society. We accommodate various stakeholders of the society in decision making bodies such as CDC and IQAC. The programmes and activities from the introduction of B.Sc. /M.Sc. programmes to extension activities- are in tune with the Vision, Mission statements of the

institution.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

*The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

#### Response:

The Perspective Plan is the blue print of activities of the institution to be undertaken during the five years starting from 2021-22 to 2025-2026. The plan was prepared by IQAC keeping in view the changing quantitative and qualitative needs of higher education and in keeping with the Vision, Mission statements and core values of the institution. The Perspective Plan covers a range of items like enrichment of curricular aspects, teaching-learning and evaluation, research and extension, augmentation of infrastructure, student support facilities and services, adoption of e-governance, gender and environmental awareness. The Perspective Plan incorporates other initiatives that are important from the view point of nurturing overall development of the institution. Some of them are the initiatives like promoting use of student centric methods, organization of seminars and workshops, collaborative academic and extension activities, enrichment of library resources, programmes for faculty development and welfare, etc.

#### Objectives:

1. To inculcate learner centric and effective teaching learning process.
2. To empower faculty about emerging trend in their profession for academic advancement.
3. To ensure transparency and credibility in the process of students' evaluation;
4. To launch value added and skills development programmes for improving the employability of students;
5. To create a research culture in faculty and students;
6. To motivate students for self-employment and to enable them to emerge as an entrepreneur;
7. To increase participation in curriculum development.

8. To uphold continuously good academic performance;
9. To make efforts to fill up vacant posts with qualified candidates.

**Teaching and Learning** Faculties are encouraged to participate in various training programmes. The Institute has a healthy interaction between students and faculty with combination of blended learning.

**Research and Development:** The Institute has established a Research and Development (R & D) cell to promote and co-ordinate research activities in the college. The students selected in college level Pre-Avishkar competition participate into the Avishkar Research Competition. Duty leave is sanctioned for attending the research related activities to faculty.

**Admission of Students:** The college provides the prospectus along with admission form to the students. The hoardings and advertisements are displayed at the key localities in our region to aware the students about the opening of admission process. College follows all the reservation rules of central and state governments.

**Examination and Evaluation:** The college publishes continuous evaluation timetable at the beginning of the academic year. University Exam work such as paper setting, evaluation, moderation, revaluation, senior & junior supervision etc. are carried out by all teachers. Chapter-wise test and surprise tests are also organized for students.

**Implementation of Continuous Internal Evaluation System:** The institution has structured class tests, open book tests, study tours, field projects, seminars for continuous evaluation of the students.

**Placement Cell for Students:** Rajarambapu College of Sugar Technology provided career guidance and job opportunities through career guidance and placement cell to the student of college.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2.2

*Institution implements e-governance in its operations*

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** D. 1 of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 6.3 Faculty Empowerment Strategies

#### 6.3.1

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

The Institute trusts the contribution of the employee towards the overall development and progress of the College.

The institute offers worth while welfare schemes to all the teaching and non-teaching staff to ensure and boost their work culture and efficiency.

The following welfare schemes are available in the College for teaching and non-teaching staff:

**Study Leave:** For Research work/FIP/FDP etc.

**Duty Leave:** For Participation in Seminars, Conferences and Workshops and the non-teaching staffs.

**Personal Insurance facility-** Accident and health Insurance coverage to all teaching and non-teaching staff.

**Incentives/Felicitation** of Staff- Felicitation of teaching and non-teaching staff for their achievements.

**Loan facility** of our college Teaching & Non teaching staff in Agro Technologist Cooperative credit society Ltd.. Islampur.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 6.3.2

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

**Response:** 5.88

**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**

2021-22	2020-21	2019-20	2018-19	2017-18
01	01	00	00	00

File Description	Document
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3.3**

***Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years***

**Response:** 1.19

**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
01	00	00	00	00

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
10	10	10	10	10

<b>File Description</b>	<b>Document</b>
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.4 Financial Management and Resource Mobilization****6.4.1**

**Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

**Response:**

Institution conducts financial audits regularly. The audit of the Institute is done by the external and competent chartered accountants firm namely Lonkar Kapase & Phadke Chartered Accountants Islamur. The audit report is discussed in the College Development Committee (CDC) of the College. After the discussion with CDC, Principal completes the compliance report and submits to Krushival Shikshan Prasark Mandal's , Islampur.

**Year Agency**

<b>Year</b>	<b>Agency</b>
2017 -2018	Lonkar Kapase & Phadke Chartered Accountants Islampur.
2018 – 2019	Lonkar Kapase & Phadke Chartered Accountants, Islampur.
2019 - 2020	Lonkar Kapase & Phadke Chartered Accountants

	,Islampur.
2020 -2021	Lonkar Kapase & Phadke Chartered Accountants ,Islampur
2021 - 2022	Lonkar Kapase & Phadke Chartered Accountants,Islampur
<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

#### **Response:**

IQAC is set up in March 2017, the IQAC of the college has served as a spearhead in institutionalizing quality enhancing practices in the college. IQAC of the college has significant contribution for the quality enhancement by continuous improvement in all working areas of the institution by connecting students, teachers, parents, management, alumni and society. IQAC monitors the implementation of vision and mission of the college. IQAC prepares perspective plan of development for the college and execute it in a strategic way. The quality measures have become a continuous process and are visible in the systems and procedures adopted in providing services to stakeholders. Two of these practices are explained below.

**1. Grooming of students through enhanced student centric activities.** For the overall development and wellbeing of student and society, student should be prepared for the futuristic world. The college organizes various student centric activities along with its regular academic activities to provide a platform to the students to explore their potential and showcase their talents. The college organizes activities like poster presentation, elocution, drawing, Avishkar competition and other similar activities to inculcate necessary skills among the students. The college promotes the active learning of the students by engaging them to deliver seminars on the topic of their choice. The College gives emphasis on activities like projects, group discussions, workshops, Inplant training, Quiz Competition etc. The College has well equipped laboratories to inculcate the skills by providing hands on training. ICT enabled Teaching-Learning methods and tools like Google Classroom, YouTube videos, online quiz are used to increase the participative approach of the students. A best student is awarded by the institution to motivate other students on the basis of merit, participation in social activities, curricular and co-curricular activities.

**2. Introduction of Certificate Courses.** In tune with NAAC core values and the Vision and Mission statements of the institution, college has introduced skill development certificate courses; Distillery plant operator, DCS operator and Sugar engineering. With these courses, the college has endeavoured to fill the gaps in university curricula on the one hand and develop employability skills among the students on the other. The institution has constituted department-wise committees for framing and updating the syllabi of these courses.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.5.2

**Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

**Response:** C. Any 2 of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>



## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

*Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

#### **Response:**

RCST takes necessary steps for gender equity and sensitization regularly through its proactive faculty, staff and students programme.

Specific facilities provided for women in terms of:

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

#### **1. Safety and Security**

- Security checkpoints are provided at all the campus entries.
- Strict implementation of Anti-Ragging measures and keeping the campus ragging free.
- Students with valid identity cards are allowed into the campus.
- The college campus is under CCTV surveillance, cameras are installed at all prominent locations.
- Common rooms have been allocated for girls where they have enough space to study and rest securely.
- Internal Complaints Committee take prompt actions to deal with the safety issues, if any of girls.
- The policies are displayed on website and at the prominent places of college which creates awareness among students about gender equity.

#### **2. Counselling**

- Strong mentor –mentee system is working to ensure overall development of girls and boys through proper guidance and counselling.
- A committee of personal counselling is available in the college to help the students personally regarding their individual problems occurred in understanding of curricula and also exam tensions.
- Career guidance is being done by counselling committee to almost all the students.
- We are counselling the girls about future scope of the course and the safe career in working of sugar industry.

#### **3. Co-curricular Activities**

- The Institution organizes various co-curricular activities in the college throughout the year where equal opportunities are given to boys & girls.
- We provide all possible opportunities & help to girls to participate equally with boys in all events organised by the institute as well as by other related institutes.
- We provide equal opportunity to girls to participate in workshops, industrial visits and study tours.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 7.1.2

**The Institution has facilities and initiatives for**

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

**Response:** A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.3

**Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

1. Green audit / Environment audit
2. Energy audit

**3. Clean and green campus initiatives****4. Beyond the campus environmental promotion activities****Response:** B. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.4**

**Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

The main vision of the institute is to develop the skilled personnel required for the sugar and allied industry, in this point of view we have also arrange and celebrates the great leaders' birth anniversary and death anniversaries. The institute is located at a place where cultural and religious diversity is distinctiveness feature. The students from different cultural, religious and socio economic background come to the institution.

Our Director Umesh Pawar sir's birthday is celebrated with Blood Donation camp at institute level, this activity helps to provide blood as per requirement to the hospitals or society. Co-curricular activities through NSS facilitate students to participate in different activities in a adopted village where they mingle with all communities. They practically learn tolerances towards cultures and living styles of others. The students of all cultural and religious backgrounds live together in adopted village for seven days of residential camp which helps them to learn each other cultures. Also students will get idea of local problems and try to solve them.

Cultural department of the college organizes annual gathering in which students presents different cultural activities emphasizing social and cultural harmony along with the national integrity. We also celebrates the traditional day which provides sufficient space to students to present different cultural

activities of all religions of the country.

The college departments organises inplant visit at Sugar and allied industry to know the factory site with all process parameters in live operation. These inplant visits help the students to gain lot of knowledge practically and technically. We also arranges the different study tours in other states which helps them to gain technical knowlege. One of the major purpose of organizing such students tours is to acquaint students with different regional, cultural, socio- economic and linguistic diversites. This also helps them to work in any condition any where in indian sugar factory in all atmospheric condition.

The participation of students in DSTA annual convention helps them to develop the research culture among them, there are paper presentation sessions where our staff presents the paper on the sugar and allied products.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 7.2 Best Practices

### 7.2.1

**Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual**

**Response:**

**Best Practice:1 Production of Bio-pesticides and Bio-fertilizer**

The institution has formulated a goal to provide facility to the farmers to use the Bio pesticides and Biofertilizer in the farm to avoid the chemical hazardous effect on the soil.

**Objectives of Practices:**

**Goals**

To increase the soil fertility and quality of crop in the sence of disease free as well as productivity.

**Introduction**

Main goal of this production is to accelerate certain microbial processes in the soil, which augment the extent of availability of nutrients in a form easily assimilated by plants. Use of biofertilizers is one of the important components of integrated nutrient management, as they are cost effective and renewable source of plant nutrients to replace the chemical fertilizers for sustainable agriculture. Several microorganisms and their association with crop plants are being exploited in the production of

biofertilizers. They can be grouped in different ways based on their nature and function.

### **Importance of Biofertilizers and Biopesticides**

Bio fertilizers are known to make a number of positive contributions in agriculture.

- Supplement fertilizer supplies for meeting the nutrient needs of crops.
- They liberate growth promoting substances and helps to maintain soil fertility.
- They suppress the incidence of pathogens and control diseases.
- Increase the crop yield by 10-50%. N<sub>2</sub> fixers reduce depletion of soil nutrients and provide sustainability to the farming system.
- Cheaper, pollution free and based on renewable energy sources.
- It maintains the pH of soil.
- They improve physical properties of soil, tilth and soil health.

### **The context**

In our laboratory we are going to manufacture different types of bio fertilizers and biopesticides which helps to use of laboratory more effectively and students also have a good platform to perform some practical's and innovative work.

### **Practice**

At the beginning, we have make one team in which we have decided role of every students and staff. The list of required material is prepared and approval of management is taken. We have prepared SOP through which we started the production of biofertilizer and biopesticides in our lab.

### **Evidences of success**

We have given publicity through printed pamphlets. After productions of these products, they are packed properly and sent for the sale. We have a sweetener shoppee wherein the farmers get the product. We have collected feedback from the customer who have purchased our product. These feedback is analysed and it is found that customers are satisfied with these products.

### **Future plan:**

In future we have a plan to produce these products in large scale. Also we develop one separate marketing team to popularize these products and get more & more benefit & job to our own students.

### **BEST PRACTICES 2.**

## **ONE STUDENT ONE PLANT**

### **Goals :**

Environmental awareness has become part of our college culture and the college conducts environmental awareness activities since the establishment. One plant one student is a global movement with an ambitious goal to fight the climate crisis by planting trees around and establish green Society of India to be a healthy world. One plant one student is an initiative in line of a green and healthy environment as a helping hand to this noble initiative and for making the college students socially responsible. All faculty members, administrative staff and management of the institutions are also participating in this movement.

### **The context**

One student one plant will educate and encourage the student about the benefits of planting trees on our planet. We encourage the students to get information of trees which will help to develop the environmental susceptibility. One student one plant is a movement where each student should plant one tree and also nurture that tree.

### **Practice**

In the year 2018-19, we announced the scheme of 'one student one plant'. Under this scheme we have appealed the students to donate a plant to college. Throughout the year, most of the students donated plants to the college. The collected plants were distributed among the students. The students prepared plant by filling up organic manure and soil. Students have planted them with a variety like Mango, Neem, Bamboo etc. These plants have been planted in different areas from 2019 onwards to till date. Students become climate ambassadors and pass on their knowledge and encourage other students to take on social responsibility and shape their future.

### **Evidences of success**

Department of Alcoholtech, Sugartech and NSS organized tree plantation programme at Kille Machhindragad fort. Under this program we have planted variety of trees like Mango, Neem, Bamboo etc. Through this program one student has planted one tree and makes a promise that we will take care of every tree we have planted. After one year we have taken a survey of the survival of trees. It was found that most of the trees are alive and we are satisfied.

### **Future plan**

Our institution has planned to distribute various varieties of trees at free of cost to college students and to the society. Also we will educate and encourage the people about environment protection through plantation.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.3 Institutional Distinctiveness

#### 7.3.1

**Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

**Response:**

#### **Institute Distinctiveness**

Rajarambapu College of Sugar Technology, Islampur is started in 2010. Rajarambapu College of Sugar Technology follows a philosophy of 'Knowledge is a Power'. Most important things is that our institute is affiliated to shivaji univetsity Kolhapur. Ours is the only one institute in Maharashtra which affiliated to university and provides UG & PG degree in Sugar Technology as well as Alcohol Technology.

Rapid growth of modern technology is the most significant source and obligatory factor and it should be adopted and implemented for effective function and principle procurement of industry. Highly resourceful experts from the Institute consistently striving to discover growing innovative scientific, technological development for upgrading modern skills, talent and potential of human resource through dynamic training modules to cater to the educational and training requirements of sugar and allied industries to flourish their growth.

The Institute has designed a UG, PG and Certificate Programmes to cater the need of the sugar and allied industry for varying duration, covering wide range of disciplines to enable a trainee to imaginatively understand the value and utility of modern technologies to achieve desired results.

Uncompromising adherence to value and implementation of high quality educational programme, with the aim of creating and developing a rich pool of selfless young men and women, capable of ensuring for themselves a decent livelihood and meeting the growing needs of developing society were committed to satisfy our stake-holders and society at large by providing world class education to our students.

Since November 2016, we have started two new courses viz. M. Sc. Sugar Technology and M. Sc. Alcohol Technology to make available higher studies for the students and proceed for research activities. From June 2017, we started certificate courses viz. Distillery Plant Operator, DCS Operator, Sugar Engineering for student to make them a good experienced human resource for Sugar/Alcohol Industries.

#### **Main Aim**

- To provide technical education for sugar and allied industries.
- To undertake research related to sugar and allied industries

- To provide refresher course to the employees of different sugar factories.
- To provide consultancy services to sugar and allied industries through Technical Advisory team.

**The following activities are undertaken through out the year.**

1. Inplant Training to the students
2. Industrial Visits
3. Field Visits
4. Seminar arrangement for the ground level workers and officers at different sugar industry.

### **1. Inplant Training to the students**

During the academic schedule we have make a training programme which is compulsory to all Final year students .

The main purpose of this training is

- To acquire the ground level practical knowledge.
- To know the process of manufacture of sugar in the sugar factory
- To know the factory working.
- To know the applicability of actual contents of syllabi practically
- To know the actual practical problems occurred in sugar factory and get their solution in consultations with college experts.

This inplant training programme help the students to perform well in industry when they join in the sugar mills in future,

### **2. Industrial Visits:**

During the academic sessions we kept industrial visits for our students in the local industry, this help to give more practical information of curriculum.

We have arranged this visit as per the subject expert suggestions. We are sending to the students in factory with our subject experts during the crushing season season and observe the running process.

Through these visits our students will differentiate the practical knowledge and theoretical knowledge. They get more confidence about the process information.

### **3. Field Visits**

We visit at neighbour villages to guide farmers about sugarcane trash management. Due to this farmers get a knowledge about the environment. We also visit to sugarcane plots and gives the information about the water irrigation management.



**4. Arrangement of Seminar to the officers and ground level workers at different sugar industry.**

During off season of the factory, we organise workshops for field workers as well as chemist, engineers and technicians. Which helps them to solve day to day working problems. The topics covered in these workshops are based on Sugar technology and Sugar Engineering namely Sugar cane juice clarification, Crystallization, Mill, boiler and basic instrumentation.

All the above mentioned activities is occur in our college only, which shows the distinctiveness of the college. These activities also helps students to get job opportunities in the sugar factories This has reflected in higher percentage placement of our college students.

File Description	Document
Appropriate web in the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

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### Additional Information :

1. College was established in 2010.
2. The college strives to maintain and sustain standards of teaching-learning, research and innovation through the better integration of the ICT with teaching- learning process.
3. College has conducted Academic and Administrative Audit, Green Audit, Energy Audit.
4. College has organized National/State level seminar/conferences and workshops.
5. CCTV facility and security are available in the campus.

### Concluding Remarks :

The college imparts quality and focused education true to the spirit of the Vision statement and core values. We feel fortunate to submit this SSR prepared with intense care and strong inspection. The college has evolved continuously in a span of over 12 years and has established itself as a landmark in Shivaji University, Kolhapur. The institution stands for bringing up the best models in educational field, especially in sugar technology and consistently looking for the sustainable development. College is leading through need-based, cost- effective, quality and holistic education, transforming the students into globally competitive, employable and responsible citizens. The college strives for bringing structural change with innovative approach to cater the needs of stakeholders. The college has given priorities in sustaining and developing environmental awareness.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
2.1.1	<p><b>Enrolment percentage</b></p> <p>2.1.1.1. <b>Number of seats filled year wise during last five years (Only first year admissions to be considered)</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>78</td> <td>96</td> <td>53</td> <td>52</td> <td>59</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>78</td> <td>96</td> <td>56</td> <td>54</td> <td>59</td> </tr> </tbody> </table> <p>2.1.1.2. <b>Number of sanctioned seats year wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>150</td> <td>150</td> <td>150</td> <td>150</td> <td>150</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>150</td> <td>150</td> <td>150</td> <td>150</td> <td>150</td> </tr> </tbody> </table> <p>Remark : Input edited as per supporting documents</p>	2021-22	2020-21	2019-20	2018-19	2017-18	78	96	53	52	59	2021-22	2020-21	2019-20	2018-19	2017-18	78	96	56	54	59	2021-22	2020-21	2019-20	2018-19	2017-18	150	150	150	150	150	2021-22	2020-21	2019-20	2018-19	2017-18	150	150	150	150	150
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150	150	150	150	150																																					
2.1.2	<p><b>Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years</b></p> <p>2.1.2.1. <b>Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>22</td> <td>13</td> <td>12</td> <td>18</td> <td>17</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>10</td> <td>8</td> <td>12</td> <td>18</td> </tr> </tbody> </table> <p>2.1.2.2. <b>Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years</b></p>	2021-22	2020-21	2019-20	2018-19	2017-18	22	13	12	18	17	2021-22	2020-21	2019-20	2018-19	2017-18	14	10	8	12	18																				
2021-22	2020-21	2019-20	2018-19	2017-18																																					
22	13	12	18	17																																					
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14	10	8	12	18																																					

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
75	75	75	75	75

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
60	60	60	60	60

Remark : Input edited as per supporting documents

#### 2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

##### 2.4.1.1. Number of sanctioned posts year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
12	12	12	12	11

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
11	8	5	5	5

Remark : Input edited as per supporting documents

#### 2.6.3 Pass percentage of Students during last five years (excluding backlog students)

##### 2.6.3.1. Number of final year students who passed the university examination year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
48	61	56	47	33

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
45	57	54	52	29

##### 2.6.3.2. Number of final year students who appeared for the university examination year-wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
51	62	57	49	33

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
48	60	55	52	30

Remark : Input edited as per supporting documents

3.5.1 **Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

Answer before DVV Verification :

Answer After DVV Verification :1

Remark : Input edited as per supporting documents

5.3.2 **Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

5.3.2.1. **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
134	0	203	129	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	2	5	2

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

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:

2021-22	2020-21	2019-20	2018-19	2017-18
01	02	00	00	00

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
01	01	00	00	00

Remark : Input edited as per supporting documents

6.3.3 **Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

**6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
01	00	00	00	00

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
01	00	00	00	00

**6.3.3.2. Number of non-teaching staff year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
00	00	00	00	00

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
10	10	10	10	10

Remark : Input edited as per IIQA

## 2.Extended Profile Deviations

ID	Extended Questions
1.1	<p><b>Number of teaching staff / full time teachers during the last five years (Without repeat count):</b>            Answer before DVV Verification : 29            Answer after DVV Verification : 29</p>