SELF STUDY REPORT

FOR

4th CYCLE OF ACCREDITATION

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, KARAD-MASUR
ROAD, VIDYANAGAR, TAL. KARAD, DIST. SATARA, PIN 415124
MAHARASHTRA
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Shri Shivaji Education Society, Karad's Board for Higher Education, founded by Hon. Shri. Yashwantrao Chavan, former Deputy Prime Minister of India, established this college in June 1958 as Science College Karad with an objective of providing education in science to students of the Karad and surrounding area in Maharashtra. To keep his memory alive, the college was renamed after him in 1986. The college building inaugurated in 1960 by the then President of India, Hon. Dr. Rajendra Prasad is located in a sprawling campus of around 40 acres and has flourished under the able stewardship of Hon. Shri. P. D. Patilsaheb. Now the college successfully runs by Hon Chairman Shri Balasaheb Patil, Cabinet Minister Cooperation and Marketing, Maharashtra State. Today Yashwantrao Chavan College of Science, Karad is one of the premier educational institutions in this region.

This college is a grant-in-aid institution, affiliated to Shivaji University, Kolhapur. Our College is accredited to B++ level by NAAC in 2017 in 3rd cycle also an ISO 9001:2015 certified College. The college offers total 13 courses at the graduation (B. Sc.) level.

The college has facility of postgraduate courses in Microbiology ,Chemistry, Botany , Computer Science . This year college has applied for 3 postgraduate courses like Physics , Mathematics and Data science. College has recognized research laboratories for Ph. D. in Microbiology, Zoology, Chemistry and Botany. Three professional courses such as B.Sc. in Biotechnology; B.Sc. in Computer Science and B.Sc. in Computer Science (Entire) at graduation level.

College is going to apply for foreign languages like Russian, German, French and Japanese.To study the foreign languages and cultures leads students to become more responsible and committed global citizens.

The college has also received several grants for major and minor research projects and for infrastructural facilities from funding agencies like UGC, CPCB and DST- SERB.

To achieve academic excellence, our meritorious students have consistently occupied top places in Board and University Merit lists.

Vision

"To educate students through dedicated holistic attitude to develop ethical, disciplined, sensible and determined citizen to cope with local to global challenges"

Mission

To Perpetuate a science culture among the rural masses of this region so that the youth develop a scientific temperament and build up a capacity for objective enquiry that can help them better their lives and help avail of the best in advanced educational facilities available locally and elsewhere in the country so as to grow up into dutiful citizens and contribute actively to the scientific growth of the nation.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Continual journey of the college as per our 'Vision, Mission and Goals'.
- Large eco-friendly campus with a heritage style building and large playground with sufficient facilities for track and field events and other outdoor sports.
- Entire range of programmes from UG though PG to Doctorate level with wide range of subject options at UG level and many skill development and entrepreneurship oriented short-term courses.
- Well stocked Geology, Botany and Zoology museums displaying fossils, rare and exotic specimens preserved by modern methods.
- Well-designed diverse Botanical Garden housing medicinal and rare endangered plants totaling 147 different species.
- Highly-qualified, dedicated and knowledgeable teaching staff with excellent research.
- Well-trained dedicated administrative and support staff.
- Excellent Inter-departmental academic coordination.
- Faculty contributing significantly in University curriculum development and autonomus colleges.
- Transparency in admission process and general administration
- Consistently high level of results and ranking of students in University Merit List.
- Special programmes conducted to spread awareness on cross cutting issues like gender, environment, social injustice, non-violence, human rights, health, hygiene, etc.
- Strong research component including that of students and High quality research record of the faculties in international database.
- Eminent alumni in high positions in India and Abroad.
- Well stocked computerized library with reference books, journals and e-resources.
- Adequate infrastructure, equipped with suitable teaching aids including ICT resources
- Sufficient hostel and staff quarters on campus.
- Rain water harvesting method and reuse in laboratory
- Proactive placement cell, research committee, NSS and NCC units.
- College Certified according to ISO 9001:2015 standard.
- Supportive top management that follows an "open door" policy
- Rich and outstanding contribution of faculties in research and extension activities.
- Linkages and MoUs with higher institutions, industries, local bodies, associations, etc
- Well developed sports facilities on the campus for students to develop their physical abilities.
- Organization of programmes of various nature providing students with rich information and knowledge about social, political, economical and cultural issues.
- Organisation of special programmes for competitative exams.
- Differently-abled friendly campus.
- Organization of faculty developmet programs.
- Organization of state, national and international level programmes like conference, seminars, literary meets, specialized thematic events.
- Four Research Laboratories recognised by Shivaji Uniersity, Kolhapur.

Institutional Weakness

- Limited College- Industry interactions.

- Limited National and International collaborations for research.
- Lack of resource mobilization through consultancy services.
- Constraints on recruitment of teaching and non teaching staff.
- Insufficient scholarships and funding for large number of socially and economically backward students.
- Limited smart classrooms.

Institutional Opportunity

- To develop full-fledged courses based on industry needs and skill development
- To develop the college as an advanced centre with Ph.D. research facilities
- To promote interdisciplinary research addressing local, social and need-based issues.
- To establish and strengthen National and International MoUs and collaborations.
- To organize National and International seminars and conferences
- To increase number of society-oriented outreach programmes
- To develop a proper mechanism to receive resources of strong and well established alumni
- To increase placement avenues through eminent alumni
- To establish effective links with industries/companies for campus placements
- To create faith and confidence among the stakeholders and society regarding the possibility of positive changes.
- To establish a research ability among students , staff and emerge as an institute of high research ambience.
- To start interdisciplinary as well as multidisciplinary education programmes as per NEP 2020.
- To increase the number of MoUs and Linkages to carry out collaborative teaching learning practices, research activities and publications.

Institutional Challenge

- To plan for new Post graduate and professional courses.
- To create direct correlation among various industries, entrepreneurs and academic growth of college.
- To generate employbility for graduate and post graduate students.
- Developing high quality research by the faculty resulting in improving qualities of products.
- To Creating sophisticated research facilities for non-granted courses
- To create models of high standards of teaching-learning and research by all departments especially from social sciences and languages
- To enhance and strengthen consultancy practices among college-industry-community network

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institution offers 13 undergraduate, 5 postgraduate and 4 Ph.D. programs across various disciplines. Being affiliated with Shivaji University, Kolhapur, the college adheres to the rules and regulations set by the university. The college follows the UGC and University Guidelines and implements the curriculum prescribed by the concerned Board of Studies. Three of our faculty members are currently working on Board of Studies.

The college strives to fulfil its mission statement, **!! Be one with the downtrodden and the underprivileged !!** by delivering high-quality education in the field of science. In response to current market demands, the college has introduced programmes such as B.Sc. in Biotechnology, B.Sc. in Computer Science (Optional), B.Sc. in Computer Science (Entire) and M.Sc. in Computer Science, along with traditional science courses. Additionally, over the past five years, the college has offered 61 value-added skill development certificate courses aiming to prepare students to meet the demands of the present job market.

Furthermore, the college prioritizes environmental sustainability, gender equality, and human values, integrating these principles into its vision and mission. Over the last five years, 62.8% of students have enrolled in various value-added courses. In addition to classroom learning, the college emphasizes experiential learning opportunities through project work, fieldwork, industrial visits, and internships at various industries.

To ensure effective teaching and learning, the college solicits feedback on the curriculum, teaching-learning processes, and facilities from stakeholders including students, teachers, parents, employers, and alumni. Keeping in mind NEP, the college aims to design a curriculum that offers diversity and flexibility to learners, enabling their holistic development through multidisciplinary and interdisciplinary approach.

Teaching-learning and Evaluation

The faculties of our college strive to maintain a balance between teaching and research. As we receive a greater number of students from socially weaker sections of the society, our emphasis is on teaching rather than research. Teachers make use of both traditional teaching methods as well as modern teaching aids to ensure a comprehensive learning experience. They prepare and maintain a weekly log of classroom activities. The teachers also participate in different competitions and take advantage of facilities offered by the college to improve their pedagogical skills. Feedback is obtained from the students to ensure the teaching process student centric. The **Internal Quality Assurance Cell** conducts quality audits and organizes programs to improve the quality of teaching and learning.

The admission process is managed by an admission committee. It takes care of preparing admission forms and prospectus, and counsel the students before, during and after the admission. To cater to the diverse needs of the students, various subject combinations are offered at the institution. They can opt as per their choice and competence. Our timetable ensures students participation in co-curricular as well as extra-curricular activities including sports, and cultural events, and sparing time to use library resources.

Remedial classes are conducted to assist students who are struggling to keep up with their coursework. Information and Communication Technology (ICT) provides a 24/7 learning environment. Along with their core courses, students enrol in programs under the Choice Based Credit System (CBCS) which offers a range of optional courses, both within their respective departments and in other departments. To cultivate a broad intellectual outlook, the students are required, in every semester, to complete one course that is unrelated to their major area of study.

The evaluation process in our institution is transparent and based on continuous assessment which includes written examinations, class seminars, and assignments. Students are provided an opportunity to review their valued answer scripts of internal tests. The final marks are then scrutinized by a committee before submitting to the college or university. We are currently working on posting examination results online to make them more accessible.

Research, Innovations and Extension

Yashwantrao Chavan College of Science, Karad (YCCSK) stands as a symbol of excellence in fostering innovation, research, and holistic development of the students. The institution has diligently created an environment conducive to innovation, particularly focusing on the Indian Knowledge System (IKS). Efforts such as raising awareness about Intellectual Property Rights (IPR), establishing an IPR committee, and setting up an Incubation Centre reflect commitment of our college in nurturing creativity, sharing knowledge, and fostering entrepreneurship among the students.

The academic achievements of the college are noteworthy. It has 126 research publications in UGC care list journals and 37 book chapters and books authored by the faculty of the institution demonstrating its significant contributions to academia. Additionally, the establishment of 49 collaborations and partnerships highlights dedication of YCCSK to its expanding academic network and promoting collaborative research. These accomplishments underscore our unwavering commitment to academic excellence and innovation.

In addition to academic endeavours, YCCSK emphasizes greatly on community engagement and social responsibility. Over the past five years, the institution has undertaken various extension and outreach activities, including community service projects, environmental conservation initiatives, and health awareness campaigns. These efforts have had a tangible impact on the community with over 2000 research projects undertaken by our students across 13 departments.

YCCSK's commendable contributions have been recognized through awards received from prestigious bodies like the Ministry of Defence, Government of India, and Shivaji University, Kolhapur. These accolades highlight the significant contribution of the institute to academia, community welfare, and societal development. Looking ahead, YCCSK remains committed to fostering innovation, promoting academic excellence, and empowering students to become agents of positive change in society.

Infrastructure and Learning Resources

A robust physical infrastructure is made available on the campus of Yashwantrao Chavan College of Science, Karad (YCCSK) for providing comfortable and safe learning environment. This includes classrooms, laboratories, library, recreational areas, computer facilities and administrative offices. The institute provides adequate space and modern amenities for the students and staff. The institution has a spacious campus of 45 acres with 34 comfortable and well-ventilated classrooms for UG and PG courses having adequate natural light, and 27 well-equipped laboratories with sufficient instrumentation.

In the digital age, access to up-to-date technological resources is important. This involves computing facilities, internet connectivity, software applications, and multimedia tools. Use of such technologies into teaching and learning processes facilitate interactive learning environment. The institute has 204 computers with the latest updates to meet the increasing demand for computing resources. Open access Wi-Fi connectivity is also available in the campus for the students and staff.

The central library, alternatively the Knowledge Resource Center, serves as an intellectual hub providing access to a vast array of academic resources. It offers print and digital collections of 41390 books, 26 scholarly journals, 59 CDs, and 92 teaching aids encompassing 35 mm and 16 mm films and video cassettes.

The institute offers comprehensive support services to cater to the diverse needs of the students. This includes

physical facilities, counseling, tutoring, career guidance, and disability services. The institution has a spacious playground with 75606.3 sq m area having an 8-lane standard 400 m athletic track, gym, yoga centre, hostel facilities for girls and boys, health care centre etc. Thus institute provides healthy environment for the overall well-being of the students.

The campus is under CCTV surveillance for security, providing a safe and secure environment for students, faculty, and staff. By fostering a culture of innovation and adaptability, our institution remains at the forefront of educational excellence. The facilities underscores the critical role of infrastructure and learning resources in fostering a dynamic and enriching educational experience.

Student Support and Progression

Our educational policies are student-centric and conducive to the students. The institute encourages students to apply for different governmental and non-governmental agencies to get different scholarships. The institute also provide helps needy and economically poor students in the form of providing fees of Admission Fees, Tuition Fees, Sports Equipment, Supplements for athletics, Travelling Fund, Aid to the Cultural Programmes, Training, etc.

Our students progress to their PG programmes in different universities and institutes. Some of them directly seek jobs in different sectors based on their specializations and qualifications and support their families and society.

We provide guidance for competitive examinations such as Union and State Public/Civil Services, UGC-NET, SLET, SET, GATE, etc. We counsel students for their prospective careers in respective fields. We also arrange visits to different industries and institutes to provide them with an experiential learning environment.

Along with curricular activities, the institute organizes collaborative activities through **Lead College Activity Scheme** of the university. We organize different expert lectures and workshops for the students. We have separate units of the **National Service Scheme (NSS)** and **National Cadet Corps (NCC)**. Our NSS volunteers participate in regular as well as special camping activities and get first-hand experience of social service, while NCC Cadets not only complete hard and enduring training for B and C certificates but also participate in different state and national camps.

As sport is an integral part of a student's overall development, our sportspersons participate in different sports events at different levels and some of them excel in their sports. Students also participate in Cultural Activities to showcase their potential in different art forms and activities. We encourage them to take part in **Youth Festival** as well as other cultural events in the college and outside.

The institution has a great legacy of successful students in almost all walks of life. We had organized several Alumni meets in the past. Alumni contribute us through their expertise and charity.

Governance, Leadership and Management

The governance and leadership of our college is accordance with its vision and mission, ensuring continuous institutional expansion, decentralization and engagement in governance. The vision aims to nurture students into ethical, disciplined, perceptive and resolute individuals capable of tackling global challenges. The mission

strives to instill a scientific ethos among youth, fostering their scientific mindset and contributing to national scientific advancement. The quality policy is framed in such a way to seek perpetual enhancement and providing equal opportunities to all students. The governance structure is characterized by democratic values, decentralization, and active participation. The management, **Shri Shivaji Education Society, Karad** takes care of governance and the College Development Committee (CDC) sanctioning development plans.

Faculty play a proactive role in decision-making processes, shaping institutional policies. The institutional perspective plan delineates objectives concerning curriculum, pedagogy, research, infrastructure, student assistance, and governance. Performance evaluation mechanisms ensure accountability, while welfare initiatives support staff encompassing health insurance, leave provisions, and access to various facilities. Faculty of the institution is actively engaged in various Faculty Development Programs, Refreshers, Seminars, Workshops, etc. to enhance their professional skills.

Financial management entails regular internal and external audits to uphold transparency and adherence to regulations. The **Internal Quality Assurance Cell (IQAC)** assumes a pivotal role in institutionalizing quality assurance measures, conducting audits, fostering collaboration with other institutions, and facilitating accreditation process. Other achievements include obtaining ISO certifications and promoting faculty development programs and research endeavors.

Institutional Values and Best Practices

Established by Hon. Yashawantraoji Chavan, the institution aimed to provide education to downtrodden and underprivileged communities. We promote gender equity through a co-education policy ensuring equal opportunities for all. The institution conducts gender audits, organizes women's empowerment programs, and provides counselling through various channels. The college has a ladies' room and a secure hostel.

We have ramps, washrooms, wheelchairs, walking sticks, walkers, etc for **Divyangjan** students. The institute manages the disposal of degradable and nondegradable waste. The energy consumption is reduced using LED lamps, LCD desktop, solar streetlight, solar heaters, human sensor-based LED lamps, and water float sensors. The institute conserves water through rainwater harvesting system, open well recharge, storage tanks, and a water level controller. Regular green and energy audits are also conducted. Being an echo-friendly institute, it arranges tree plantation and cleanliness drives.

The college fosters an inclusive environment respecting diversity, preserving Indian heritage through cultural events, linguistic competitions, communal and socio-economic values, regional responsibility, constitutional obligation, and code of conduct.

The institute executes two best practices: **Exploring Science Frontiers**: **Lab to Land** and **FFF: Flora Fauna for Future**. The former initiative aims to promote applied science among the students by training them in labs and applying their knowledge in field works. The successful examples include real-world lab practices, student participation, traditional food awareness, waste utilization, energy saving campaigns, and many more. The later initiative ensures conservation practice in collaboration with organizations like Eco-club, Eagle Nature Club, Green Club, NSS and NCC, and various departments of the institution. The practice involves indigenous tree plantation, plant donation, workshops, poster presentations, model making, rangoli competitions, eco-friendly *rakhi*, recycling, vermicomposting, and Ganesh Festival.

The institute has notable features such as grass surveys, novelties, new records, and plant barcoding. The Y. B. Chavan Competitive Examination Guidance Centre was established in 2017 to prepare the students to be responsible officers in the government. The institution has a dedicated building with necessary infrastructure, a Fitness Zindabaad Club, an 8-lane 400-meter athletics track, a large playground area, and various sports facilities.

The institute conducts science seminars to keep the students updated on the latest developments in the field of Science and Technology. Every department organizes these activities every year to ensure that students are well-informed about the latest developments in their field.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD
Address	Yashwantrao Chavan College of Science, Karad, Karad-Masur Road, Vidyanagar, Tal. Karad, Dist. Satara, Pin 415124 Maharashtra
City	Karad
State	Maharashtra
Pin	415124
Website	www.yccskarad.com

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	Suryakant Bapu Kengar	02164-271356	9850571346	-	prinyccsk@gmail.com
IQAC / CIQA coordinator	Shivaji Hariba Burungale	-	9359723902	-	shivajiburungale777@gmail.com

Status of the Institution	
Institution Status	Grant-in-aid

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	

State	University name	Document
Maharashtra	Shivaji University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	28-11-1986	View Document
12B of UGC	28-11-1986	View Document

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	Yashwantrao Chavan College of Science, Karad, Karad-Masur Road, Vidyanagar, Tal. Karad, Dist. Satara, Pin 415124 Maharashtra	Urban	45	182109

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BSc,Physics, Physics	36	XII Science	English	229	229
UG	BSc,Chemistry,Chemistry	36	XII Science	English	454	454
UG	BSc,Mathematics,Mathematics	36	XII Science	English	211	211
UG	BSc,Botany, Botany	36	XII Science	English	296	296
UG	BSc,Zoology,Zoology	36	XII Science	English	292	292
UG	BSc,Geology,Geology	36	XII Science	English	111	111
UG	BSc,Statistics,Statistics	36	XII Science	English	210	210
UG	BSc,Microbiology,Microbiology	36	XII Science	English	265	265
UG	BSc,Electronics,Electronics	36	XII Science	English	77	77
UG	BSc,Biotechnology,Biotechnology	36	XII Science	English	65	65
UG	BSc,Computer Science,Computer Science Entire	36	XII Science	English	473	473
UG	BSc,Computer Science,Computer Science	36	XII Science	English	180	180
UG	BSc,Pollutio	36	XII Science	English	23	23

	n,Botany Pollution					
UG	BSc,English, Compulsory English	36	XII Science	English	870	870
UG	BSc,Environmental Studies,Environmental Studies Compulsory	36	XII Science	English	414	414
UG	BSc,Biochemistry,Biochemistry Interdisciplinary	36	XII Science	English	18	18
PG	MSc,Chemistry,Organic Chemistry	24	B.Sc.	English	40	18
PG	MSc,Chemistry,Analytical Chemistry	24	B.Sc.	English	80	52
PG	MSc,Botany, Botany	24	B.Sc.	English	40	15
PG	MSc,Microbiology,General Microbiology	24	B.Sc.	English	104	104
PG	MSc,Computer Science,Computer Science	24	B.Sc.	English	40	24
Doctoral (Ph.D)	PhD or DPhil ,Botany,Botany	72	M.Sc.	English	9	9
Doctoral (Ph.D)	PhD or DPhil ,Zoology,Zoology	72	M.Sc.	English	6	6
Doctoral (Ph.D)	PhD or DPhil ,Microbiology,Microbiology	72	M.Sc.	English	6	6

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	3				5				44			
Recruited	3	0	0	3	4	1	0	5	29	9	0	38
Yet to Recruit	0				0				6			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				34			
Recruited	0	0	0	0	0	0	0	0	5	29	0	34
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				105
Recruited	37	3	0	40
Yet to Recruit				65
Sanctioned by the Management/Society or Other Authorized Bodies				12
Recruited	12	0	0	12
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				76
Recruited	33	1	0	34
Yet to Recruit				42
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

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	0	0	3	1	0	17	0	0	24
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	13	9	0	22
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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	1	2	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	4	27	0	31
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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**
	0	0	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	773	0	0	0	773
	Female	560	0	0	0	560
	Others	0	0	0	0	0
PG	Male	63	0	0	0	63
	Female	152	0	0	0	152
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	6	0	0	0	6
	Female	18	0	0	0	18
	Others	0	0	0	0	0
Certificate / Awareness	Male	646	0	0	0	646
	Female	823	0	0	0	823
	Others	0	0	0	0	0

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

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	113	109	101	89
	Female	112	109	109	94
	Others	0	0	0	0
ST	Male	7	4	3	1
	Female	4	2	0	1
	Others	0	0	0	0
OBC	Male	281	270	250	225
	Female	269	259	268	222
	Others	0	0	0	0
General	Male	336	371	447	414
	Female	325	345	424	413
	Others	0	0	0	0
Others	Male	257	219	92	89
	Female	250	198	95	79
	Others	0	0	0	0
Total		1954	1886	1789	1627

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The College has established a committee for implementation of NEP 2020. The college motivates all stakeholders to participate in all NEP-2020 related programmes. Being a single faculty science college, we encourage multidisciplinary approach in the academic and co-curricular activities. We always encourage our students to participate in different activities like intercollege competitions, exhibitions, workshops, conferences etc. It encourages our students to increase their learning beyond traditional boundaries, explore several perspectives, and nurture novel skills.
2. Academic bank of credits (ABC):	As per the guidelines of UGC and the Higher

	Education department Shivaji University, Kolhapur has introduced Choice Based Credit System (CBCS) in 2018. All the UG and PG programmes are credit-based syllabi. National Education Policy 2020 has introduced the concept of Academic Bank of Credit. Shivaji University, Kolhapur is now in the procedure to pass a resolution related to the ABC in the Academic Council. In future, we are planning to register our students with Academic Bank of Credits (ABC) after detailed guidelines from the University. The College will formally appoint the nodal officer to create ABC account of students.
3. Skill development:	Skill development is an important part of Education. To enable the students to fit in this competition various skill-based courses, workshops and seminars have been organized by the college in past few years like Solid Waste Management, Soil Analysis, Production of Biopesticides and Biofertilizers, Industrial Equipment Training, Fruit processing, mushroom cultivation, soft skills and communication skills etc. Some of the courses like Environmental Studies; Democracy, Election and Good Governance; Physical education, etc. are mandatory for the award of degree.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	India is a country with rich culture and heritage. Our institute is always making all possible efforts to preserve it for forthcoming generations. We are promoting our students to participate in the Youth festival which is organized by affiliating university. It provides best platform to students to show their talent and to preserve our Indian Knowledge system. Every year college organizes various cultural events through various programs like Traditional day, Navratri Festival, Ganesh Festival etc. through various committees.
5. Focus on Outcome based education (OBE):	Our college is affiliated to Shivaji University, Kolhapur and the syllabus of courses offered by the institution is in accordance with "Shivaji University, Kolhapur" guidelines. All the departments have well defined Course Outcomes and Program Outcomes. Course outcomes and Program outcomes are also displayed on the institutional website to provide information to the students. Being a science college, the science students are duly informed about the outcomes of their programs of B.Sc. and M.Sc. and of various courses included in their program.

6. Distance education/online education:	During COVID-19 pandemic period teaching-learning process was conducted through various online platforms like Google Meet, Google Classroom, Webex, Zoom, WhatsApp, Telegram, YouTube etc. Our faculty members have developed many lectures using videos and PPTs during the pandemic period. Our Institute has also conducted online examinations. We are also encouraging our students to enroll in various online courses available on Swayam, MOOC, NPTL etc.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, in our college Electoral Literacy Club (ELC) has been set up to sensitize the college students for their electoral rights and familiarize them with the electoral process and voting.
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, students and coordinating faculty member for the Electoral Literacy Club are appointed by the College, and the Electoral Literacy Club is indeed 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.	The Electoral Literacy Club has undertaken various innovative programs and initiatives. These include voluntary contributions by students in electoral processes such as participation in voter registration drives for students and organizing voter awareness campaigns. Students of our club were part of rally with tableau competition organized by Karad Tehsil office and in that rally our tableau won third prize. Our club also organized a Rangoli and Painting competition under the theme of voting awareness.
4. Any socially relevant projects/initiatives taken by 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.	The NSS and Electoral Literacy Club has carried out a census survey in Riswad village. This survey definitely helped local village body to find out the voters to be registered for first time.
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.	The extent of students above 18 years who are enrolled as voters in the electoral roll is approximately 99%. Efforts by Electoral Literacy Clubs (ELCs) as well as efforts by the College to institutionalize mechanisms to register eligible

	students as voters are ongoing and aim to address this significant gap in voter registration.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1627	1789	1886	1954	2023

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2 Teachers

2.1

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

Response: 113

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.2

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

2022-23	2021-22	2020-21	2019-20	2018-19
82	49	44	72	75

3 Institution

3.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
33.19	56.82	16.51	39.03	40.109

File Description	Document
Upload Supporting Document	View Document

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:

Yashwantrao Chavan College of Science, Karad is affiliated to Shivaji University Kolhapur, so follows academic calendar made by Shivaji University Kolhapur for effective curriculum implementation.

Following academic matters of the institute consulted with the IQAC.

1. College follows Academy calendar made by Shivaji University Kolhapur.
2. By considering academic calendar of University, College prepare its own academic calendar and find out number of teaching days for the smooth conduct of the periodic test, practical and lectures seminars etc during academic year.
3. Head of the department call meeting to distribute the syllabus.
4. After allotment of syllabus, teacher prepared semester wise annual teaching plan and submit it to the head of the department.
5. College time table committee prepares time table for the Lecture and Practical.
6. All the college teachers submit weekly teaching report and monthly teaching report signed by the head.
7. Examination committee prepare schedule for the unit test, home assignment, and also prepares time table for Theory and practical as per the guidelines given by the University for online and offline mode..
8. Use of teaching aids such as charts, models and ICT tools during curriculum delivery for the effective teaching.
9. Academic committees are prepared in order to conduct all activities in the college for the overall development of the student.
10. College provides internet and Library facility to the teacher and students for effective curriculum delivery.
11. International and National Conference, syllabus workshops and seminars are arranged by the college.
12. Faculty members are inspired to participate in faculty development programmes (FDP), orientation course, refresher course, conferences, seminars and workshops in order to aware teachers with the current research.
13. Workshops on new syllabus of the different subjects are organized by the Institution for the teacher; it helps in effective course delivery.
14. BOS members of the college suggest improvement in the syllabus.
15. Field visit and allowed to take training into MOU Institute and linkage Institute.
16. Study tour industrial visit are arranged according to the syllabus.
17. College furnish add on / career oriented/ value added /skill based courses for the student.

18. Feedback on curriculum and college, is taken from the students, parents, Teachers and Employers, prepared action taken report on the basis of suggestion given by them.
19. In the institute continuous internal evaluation is carried out according to the guidelines given by the University.
20. Review of continuous internal evaluation has been taken by examination committee and forwarded to IQAC.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1

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)

Response: 34

File Description	Document
List of students and the attendance sheet for the above mentioned programs	[View Document](#)
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Evidence of course completion, like course completion certificate etc. Apart from the above:	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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: 5.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
353	71	9	24	16

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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:

Yashwantrao Chavan College of Science, Karad integrates Cross-cutting issues of the society like Moral Values, Human Values, Professional Ethics, Gender Equality, Environmental Awareness, which are indivisible part of our curriculum.

1. Moral Values, Human Values & Professional Ethics:

The Institute Celebrates Birth anniversary and Death anniversary of activists. Institute also celebrates days of National and International importance as Republic day, Independence Day, Teacher`s day, International Yoga Day etc. These celebrations cultivate the moral, ethical and social values in the students.

Organizing blood donation camps, health check-up camps and Environment awareness activities are monitored by faculty in-charge at institution. As an integral part of student engagement in social activities during their programme of study, college also appeals all the students to enroll as NSS/NCC Volunteers.

It aims at inculcating values, ethics and socially responsible qualities.

2. Gender Equality

1. The college has Internal Complaint Committee and Grievance Redressal Cell to provide counseling to

students, promote gender equity among students and also deal with related issues of safety and security of female students, staff and faculty.

2. The college campus is secured with CCTV and high level security. There are separate Boys & Girls hostel (In-campus) for providing the safe environment to all students.

3. Environment studies

1. An interdisciplinary subject Pollution runs in our College gives knowledge regarding environmental hazards.

2. Environmental Studies a special paper is introduced in the curriculum of B. Sc. II   according to the norms of the Shivaji University, Kolhapur this subjects gives environmental awareness like Bio-Diversity, Eco- System, Social Issue and Natural Recourses.

3. The College has completed Green Audit.

 4. Students actively participated in the Different activities organized by the College such as Ozone Day, Environmental Day and Pollution Day.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.3.2

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

Response: 64.54

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

Response: 1050

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

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

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 88.15

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

2022-23	2021-22	2020-21	2019-20	2018-19
669	621	606	728	708

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

2022-23	2021-22	2020-21	2019-20	2018-19
868	748	728	728	708

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: 83.16

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

2022-23	2021-22	2020-21	2019-20	2018-19
323	309	361	496	314

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

2022-23	2021-22	2020-21	2019-20	2018-19
402	372	430	578	386

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	[View Document](#)
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)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.2 Student Teacher Ratio

2.2.1

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

Response: 19.84

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:

The combination of ICT in education has brought about a significant change in the outmoded teaching methods, making way for a more student-centric method. This shift is dynamic as it recognizes the diverse learning styles and preferences of students, resulting in a more engaging and personalized education experience. In this composition, we will explore the numerous benefits of using ICT in education and its role in promoting student-centric methodology.

The student-centric method prioritizes the significance of self-directed learning. ICT kits students with the necessary tools for self-determining research, thereby allowing them to investigate topics of interest beyond the scope of the program. Online databases, e-books, and educational websites enable students to take charge of their learning experience, encouraging wisdom of autonomy and accountability for their education.

ICT refers to a broad range of technological tools that include computers, tablets, interactive whiteboards, and internet-based resources. These tools offer students an abundance of information and interactive learning experiences that go beyond the limitations of traditional textbooks. With the internet serving as a vast repository of knowledge, students can delve into subjects in-depth, accessing diverse perspectives and resources at their own pace.

Information and Communication Technology offers several advantages to education, one of which is the ability to encourage active and collaborative learning. Student-centered learning approaches prioritize the engagement of learners in the learning process, and ICT platforms facilitate this by providing openings for collaborative projects, online discussions, and interactive imitations. These activities help students enhance their problem-solving abilities, develop critical thinking skills, and learn to work effectively in teams, which prepares them for real-world scenarios.

Additionally, Information and Communications Technology (ICT) aids in customized teaching by enabling educators to adjust their teaching methods to meet the unique needs of each student. Adaptive learning software and platforms can evaluate the strengths and weaknesses of a student, offering personalized feedback and adapting content accordingly. This personalized approach guarantees that each student advances at their own pace, addressing areas of misunderstanding and reinforcing concepts that require additional attention.

Experiential education involves exposing learning to an immersive experience and then encouraging students to develop attitudes, new skills, or ways of thinking through experiential learning, participative learning, and problem-solving methodologies under student-centric methods.

The student's learning experiences are enhanced through experiential, participative, and problem-solving methods.

- Industrial Visits and Field Visits
- Internship
- Exhibition
- ICT Enabled Infrastructures
- Case Study

- Charts and models
- Laboratory practicals
- Research projects
- Group discussions
- Add-on courses
- Different club activities
- Seminars using PowerPoint presentations.
- Various competition
- Articles in college magazine

The outcome of the various adopted learning methodologies is as follows.

The use of Information and Communication Technology (ICT) in education is central to promoting student-centric methods. By incorporating technological tools, teachers can create a dynamic, personalized, and inclusive learning environment. This shift not only enhances the educational experience but also equips students with the skills and abilities desired for success in today's workforce. As we continue to embrace the digital age, the integration of ICT and student-centered methodologies will undoubtedly shape the future of education.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1

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

Response: 80.7

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

2022-23	2021-22	2020-21	2019-20	2018-19
88	80	74	80	77

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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: 30.75

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**

2022-23	2021-22	2020-21	2019-20	2018-19
27	26	15	15	16

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.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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:

Yashwantrao Chavan College of Science, Karad, being an affiliated college of Shivaji University, Kolhapur, is bound by the University rules regarding Internal Assessment. It gives 20% weightage in overall assessment of the students.

The breakup of total assessment as prescribed by the University is as follows: 80 % weightage is given by University examination;

20 % weightage is given to internal college examination;

Assignments and tests are regularly conducted and students are given multiple opportunities to improve their performance. A variety of techniques and methods such as MCQs, Analytical tests, Case studies, Book Reports, Classroom presentations, individual and group projects are employed.

The College encourages the teachers to adopt innovative methods such as Open Book Tests, MCQs and Analytical Tests, etc. on a continuous basis before semester-end examinations held by the University. Teachers also bridge the knowledge gap of the students through innovative pedagogical practices employed in tutorials.

According to individual needs of the students, sometimes personalized and individual evaluation methods are evolved, especially for slow students and students with disabilities. Remedial classes are also offered in various subjects to provide additional help. Students are given the opportunity to improve upon their performance through re-tests and one to one discussion in tutorials.

In some programmes like COC, role plays are conducted to make the course content relevant to real life. Curriculum of some courses allow skill enhancement through Practical Sessions and continuous evaluation is done through testing of skills developed. Disciplines such as statistics, Computer science and Mathematics have Practical Components as part of their Curriculum which focus on problem solving skills using ICT techniques and Software.

Yashwantrao Chavan College of Science, Karad is a affiliated college of Shivaji University, Kolhapur and therefore it follows the guidelines set by the University for the conduct of examinations. At the end of each semester, there is a final exam which is uniformly conducted for students across all the affiliated colleges of Shivaji University, Kolhapur.

The final exam for each paper has 80% weightage of overall assessment and the remaining 20% weightage constitute internal assessment marks. The Internal Assessment forms a part of a continuous evaluation system conducted through Class Tests, Tutorials, Assignments, Projects and Presentations. All of these together constitute an integral part of Internal Examination which is carried out in a well-planned and systematic manner.

The institution has a well-defined system in place to deal with examination related grievances. The University has adopted an online system where each student can view her total assessment marks at the

end of each semester and can report discrepancies, if any, within a specified time period after which the marks are finally uploaded on the University portal.

The faculty addresses grievances of the students to the marks obtained in the internal assessment. The evaluated papers of internal examination consisting of class tests, assignments, projects, etc. are returned to students with detailed remarks and suggestions for improvement. Any query of students regarding the feedback and evaluation is thoroughly addressed by the respective teachers.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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:

2.6.1. CO POS

Response:

The Program Outcomes (PO) and Course Outcomes (CO) are adopted for all programs as well as courses offered by the institution in accordance with "Shivaji University Kolhapur" guidelines.

1. The Learning Outcomes-based Curriculum Framework (LOCF) is intended to suit the present day needs of the student in terms of securing their path towards higher studies or a terminal degree guiding students towards career choices.

2. Learning outcomes form an integral part of college vision, mission and objectives.

3. The learning objectives are communicated through various means such as college prospectus, Principal's address to students and parents, Alumni meets and dissemination in classroom by concerned staff. These are also prominently featured on college boards, college magazine and other publications brought during conferences and seminars.

4. Informing the stakeholders, especially the parents, persuade students towards skill oriented and value

based courses.

5. Students are made aware of the course specific outcomes through orientation programme, classroom discussion, expert lectures and practicals.

6. Teachers are also well communicated about the outcomes.

7. College deputes teachers for workshops, seminars, conferences and FDPs to enrich them to attain the outcomes while teaching learning in the classes.

8. Teachers actively participate in workshops on revision of syllabus organized by the university. Many teachers are also the members of syllabus sub committees, thus the process of perception and outcomes takes place in exact manner and excel the quality of teaching learning.

9. Successful alumni students are also invited to interact with both students and teachers at specific events and meetings where they share how their individual course shaped their career thus helping existing students align better with the specified course outcomes.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

The Institution regularly evaluates the performance of students through various methods for measuring the attainment of each of the Program Outcomes, Program Specific Outcomes and

Course Outcomes.

Evaluation Process: The programme outcomes and Programme Specific outcomes are assessed with the help of course outcomes of the relevant programme through direct evaluation process. It is provided through University Examinations, terminal exams, internal and home assignments, unit tests, surprise tests, open book tests, etc. Throughout the year the faculty records the performance of each student on each programme outcome. At the same time remedial coaching is also provided to slow learners to make pace with the desired progression.

Average attainment in Evaluation Process: Students under university examination are evaluated for 80% of total marks and institution for 20% marks as internal assessment. Students enrolled for Add On/Certificate Courses offered by the institution are evaluated by the institution itself. At the same time, observations of student knowledge and skills against measurable course outcomes are evaluated throughout the year.

The Methods of measuring attainment:

1.Annual and End Semester University Examination: The affiliating University conducts examinations as per semester and annual pattern through which the institution measures programme outcomes based on the course attainment level fixed by the programme. It is a direct evaluation process.

2.Internal and External Assessment: Internal assignments are given to the students which are mostly aligned with Programme Outcomes of the respective subject. External Assessment is evaluated by external experts for the Practical examinations, appointed by the University through Viva-Voce and practical journals.

3.Institutional Examination and Tests: Students are assessed and evaluated throughout the year at institutional level through unit test, surprise test, terminal examination and the performance of the student is analyzed for assessing the attainment level of programme outcomes and programme specific outcomes.

4. Feedback Evaluation: The Institution collects feedback from students, Alumni, Employers and Parents which is an important method of measuring attainment with objectives of identifying the attainment level of students in terms of programme, subject, course and syllabus outcomes and to understand the impact of teaching learning process.

5.Internships: Students are encouraged to take up internships, projects, fieldwork, etc. This helps them to

obtain necessary skills and practical experience in their chosen discipline.

6.Placements: One of the most important Programme Outcomes of Undergraduate Degree is the employability of students upon successful completion of their degree programme. The college has a vibrant Placement Cell, which caters to the demands of companies from different sectors.

7.Higher Studies: Another parameter to measure attainment of POs, PSOs and COs is through progression of students towards higher studies in educational institutions in India.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

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

Response: 91.83

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

2022-23	2021-22	2020-21	2019-20	2018-19
452	706	540	685	538

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

2022-23	2021-22	2020-21	2019-20	2018-19
523	727	544	717	670

File Description	Document
Institutional data in the prescribed format	[View Document](#)
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.	[View Document](#)
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)	

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.99

File Description	Document
Upload database of all students on roll as per data template	[View Document](#)

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: 11.53

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)**

2022-23	2021-22	2020-21	2019-20	2018-19
0	0.1	3.4	2.1	5.93163

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:

Response: Yashwantrao Chavan College of Science, Karad (YCCSK) is deeply committed to fostering innovation, research, and the overall development of its students. The college prioritizes creating a dynamic environment that fosters academic excellence and intellectual growth. Key committees and initiatives have been established to nurture innovation, protect intellectual property rights, and promote research and development, showcasing the institution's dedication to fostering a thriving ecosystem for both students and faculty.

Fostering and Safe Guarding Innovation:

- The Innovation and Linkage Committee, established in 2018, serves as a catalyst for fostering innovation within the institution.
- The Intellectual Property Rights (IPR) Committee, established in 2018, ensures the protection and

promotion of intellectual property, with one patent granted in 2023.

Research and Development:

- The college has successfully secured five research grants amounting to INR 2086855/- facilitating groundbreaking research endeavors.
- It boasts three established research centers, including Ph.D. research labs, with another awaiting approval.
- Six dedicated supervisors oversee research across various disciplines such as Chemistry, Zoology, Botany, and Microbiology.
- The college has nurtured 24 research students, resulting in the awarding of six Ph.D.

Academic Initiatives:

- Students benefit from a wide range of academic initiatives, including startup courses in Biofertilizer & Biopestide, Aquarium management, and Household Chemical Preparation.
- Over 2000 student research projects across 13 departments have been undertaken, supported by workshops, seminars, and conferences.
- Entrepreneur programs focusing on Mushroom cultivation and E-bike conversion further promote innovation and practical skill development.
- The college actively participates in prestigious events like the Avishkar Convention, organizing competitions (during 2023) to showcase student innovations.

Environmental Conservation and Awareness:

- The Eco-Club and Eagle Nature Club oversee activities related to biodiversity and environmental conservation, involving students in tree plantation drives and clean-up campaigns.
- Additionally, the Green Club actively promotes environmental sustainability through various initiatives.

Community Engagement and Academic Excellence:

- The college encourages student participation in quiz competitions and national-level events such as the MicrobioOlympiad (2023), fostering a culture of academic excellence.
- Science Association Programs have resulted in the publication of over 80 student articles in the Science Section of the college magazine, promoting scientific writing and scholarly engagement.

This comprehensive approach highlights YCCSK's dedication to excellence, innovation, and holistic development, ensuring students are prepared to succeed in a dynamic and competitive academic environment.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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: 85

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**

2022-23	2021-22	2020-21	2019-20	2018-19
16	21	11	21	16

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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: 0.97

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
39	24	18	16	13

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	[View Document](#)
Link to re-directing to journal source-cite website in case of digital journals	[View Document](#)
Links to the papers published in journals listed in UGC CARE list or	[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](#)

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: 0.14

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**

2022-23	2021-22	2020-21	2019-20	2018-19
2	4	3	4	3

File Description	Document
List of chapter/book along with the links redirecting to the source website	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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:

Community Service and Development:

- Consultation for Vermicomposting units (Zoology)
- NSS Special Camp (NSS)
- Water Expedition: On-field total dissolved solids checking (Chemistry)
- Cleaning at Remond Home (NSS)
- Fruit and Money Donation to Remand Home (NSS)
- Historical Statue Cleaning (NCC)
- Rally on Beti Bachao Beti Padhavo in Shirwade village (NSS)
- Best Out of Waste (Biotechnology)
- Shramsanskar Shibir in Mouje Shahapur (NSS and Tantamukti Samiti)

Impact on Students: Engagement in community service like Vermicomposting consultation and NSS Camps provides practical experiences, enriching academic learning. Participation in activities such as water expeditions fosters environmental stewardship. Involvement in Village, Remand Home, and Statue Cleaning instills civic responsibility. Rallies on causes like Beti Bachao Beti Padhavo empower advocacy. Projects like Best out of Waste promote innovation. Participation in Shramsanskar Shibir integrates cultural values with social awareness. Fruit and Money Donation to Remand Home demonstrates compassion.

Cultural and Heritage Activities:

- Vijay Divas (NCC)
- District level Yuva Mohtsav (IQAC and Art Circle)
- Vasant Karandak (IQAC and Art Circle)

Impact on Students: Participating in cultural and heritage activities like Vijay Divas and events such as District level Yuva Mohtsav and Vasant Karandak helps students appreciate our cultural heritage and understand important social issues. These activities teach them about inclusivity, empathy, and responsible citizenship, contributing to their overall growth.

Education and Awareness:

- Awareness Program: Sanskrutik Mandals in Ganpati Festival (Green Army)
- Importance of reading (NSS)
- Andhashraddha Nirmulan (NSS)

Impact on Students: Participating in awareness programs educates students on social issues, fostering responsibility and contributing to their personal growth and social awareness.

Environmental Conservation and Awareness:

- Cleaning of town hall area (Karad) (NSS)

- Krishna River Cleaning (NCC)
- Various tree plantation activities (Kiwal and Shirawde) (NSS/ NCC/ Green Army & Forest dept.)
- Awareness: Forest Fire and its Management, Satara District (Forest Department)
- Awareness: "Lets Know about the Earth" (Geology)

Impact on Students: Participating in community cleanup efforts, river cleaning, and tree planting instills civic responsibility and environmental stewardship. Awareness programs enrich students' understanding of ecological issues.

Health and Wellness:

- Various Blood Donation Camps (NSS/ NCC)
- Various AIDS Awareness Rallies (NCC)
- Donation of edible and Sanitary materials during COVID pandemic (Police Department)
- Sanitizer & Mask Distribution (NCC)

Impact on Students: Involvement in blood donation camps and AIDS awareness rallies showcases students' dedication to public health. Initiatives like COVID-19 donation drives contribute to community well-being, emphasizing social responsibility.

Youth and Leadership Development:

- Best Cadet Activity (NCC)
- C Certificate Cadre (NCC)
- NCC "B" Certificate Exam Arrangement (NCC)
- Job Opportunity After NCC (NCC)
- Opportunities for NCC Cadets in Army, Naval & Airforce (NCC)
- Program for Girl Students (Ladies Association)
- Contribution of youth in building of the nation (NSS)
- Movements before freedom (NSS)

Impact on Students: NCC activities like Best Cadet, C Certificate, and organizing NCC "B" Certificate exams showcase students' leadership and discipline. Discussions on job opportunities and career paths in Army, Navy, and Air Force provide insight into future roles. Programs for girl students empowerment, and NSS initiatives highlight youth's contribution to nation-building.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Over the past five years, the college and its members have been duly recognized by various esteemed bodies for their exceptional efforts in extension activities. Through collaborations with government entities, educational institutions, health and administrative bodies, as well as other esteemed organizations, the college has showcased its dedication to holistic development and community welfare. Such recognition underscores the college's pivotal role in shaping not just academic minds but also responsible citizens dedicated to making a positive impact on society. Following is the summary of Awards and Recognitions received in past five years:

NCC Awards:

- Maharashtra Batalian, Karad: 19 awards
- Maharashtra Girls Batalian, Pune: 1 award
- 36 Maharashtra Batalian, Pune: 1 award
- 58 Mah Bn NCC OROS Sindhudurg: 1 award
- 6 Maharashtra Girls Batalian, Kolhapur: 2 awards

Government Recognitions:

- Ek Bharat Shreshtha Bharat - I: 1 award
- Maharashtra State Innovation Society (Government of Maharashtra): 1 award
- Ministry of Defense, Government of India: 34 awards

Educational Institutions:

- Miraj Mahavidyalaya, Miraj: 1 award
- Shivaji University, Kolhapur: 59 awards
- The Assam Royal Global University, Guwahati: 1 award

Health and Administrative Institutions:

- Sub-District Hospital, Karad: 4 awards
- Tahsil Office, Karad: 2 awards
- Vanvibhag Satara, Vanparikshetra Karad: 1 award

Other:

- MICRS Ahmednagar: 1 award
- Rotary Club: 1 award

File Description	Document
Upload Additional information	[View Document]()
Provide Link for Additional information	[View Document]()

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: 38

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**

2022-23	2021-22	2020-21	2019-20	2018-19
4	11	5	9	9

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
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	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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: 26

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	[View Document](#)
List of year wise activities and exchange should be provided	[View Document](#)
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	[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](#)

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 institution has the spacious campus of 45 acres with total built-up area of 182109 Sq. m. for conducting academic, sports and administrative activities.

The main building has the Administrative Office, Principal's Cabin, Vice-Principal's Cabin, Meeting hall, IQAC room, Record Room, Store Rooms. The College building accommodates different departments, laboratories, classrooms, seminar halls, examination section etc.

Classrooms: The mode of teaching is both conventional and digital. The college has spacious and ventilated 34 classrooms for UG and PG having adequate natural light and comfortable furniture; out of which 8 are ICT enabled.

Laboratories: The College has 27 well-equipped laboratories with sufficient instrumentation, gas & water Connections, fire extinguisher; cupboards with specimens etc are available.

ICT Facilities: The institution has 204 computers with internet facility. College has broadband internet connections with 100 Mbps speed. Along with Laptops, LCD Projectors, Screens, Printers, Scanners, smart boards are made available to the departments as per need.

Library: There is a separate library building having 10200 sq.ft. area. Library is fully atomized having Reading room, Reprographic facilities, Periodicals, E-books and E-journals.

Cultural Room: Institution has provided separate room equipped with musical instruments like *Tabala, Dholaki, Harmonium,* for cultural activity.

Play Ground / Sports: Institution has spacious playground with 75606.3 mts area having 8 lane standard 400-meter athletic track. The College has both, indoor and outdoor facility.

Gym: Institution has multi-station Gym with Chest press, Shoulder press. It is also equipped with Bar bell, Dumbbells, Weight set, Gym mirrors, and Weight plates etc.

Basket- Ball Court: The institution has well equipped Basket Ball court with 448 sq. m. area.

Yoga Centre: It facilitates guidance to students and faculties for meditation. It also organizes yoga training and related activities.

Botanical Garden, Polyhouse and Vermicomposting shed: There is a separate Botanical Garden of 43560 sq. ft. area having several diversified flora. It includes number of medicinal plants. There is a polyhouse having 1000 sq.ft. and water tank for aquatic plants. Irrigation facilities are available. There is vermicomposting unit at the east side of botanical garden in which two beds are constructed on low cost basis.

Canteen and Mess: Canteen facility is made available for all stakeholders. There is canteen and mess facility with chairs and dining table.

Health Care Centre: Available with First aid box and other basic facilities.

Placement cell: With basic furniture, tables, chairs and cupboards and located at department of chemistry.

Security: There are two security guards. There is night watchman at college central building, girls' hostel, boys' hostel and main gates.

Hostel: Hostel facility available for Boys with 120 capacities and Girls with 156 capacities.

Additional Facilities: Ramp facility for Divyangjan, Water purifier with cooler, rain water harvesting system, sanitary vending machine, separate two and four wheeler covered parking, solar panels, generator etc.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.1.2

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

Response: 50.58

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

2022-23	2021-22	2020-21	2019-20	2018-19
18.19659	25.92707	6.65	19.03	24.09948

File Description	Document
Institutional data in the prescribed format	[View Document](#)
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)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)	

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 institution has spacious library with an area of 10,200 square feet having dedicated areas for stack, circulation, reference and internet sections totaling 3,000 square feet, and spacious reading room spanning 7,200 square feet area. It provides a comprehensive array of facilities and resources tailored to the diverse needs of students, faculty and researchers. The extensive collection comprises 41,390 books, including 16,802 textbooks and 24,588 reference books, as well as 26 journals/periodicals, 59 CDs, and 92 teaching aids encompassing 35mm and 16mm films and video cassettes. Additionally, the library features a special collection of the Biography of the late Honorable Yashwantrao Chavan's (Former Deputy Prime Minister of India) and their books written by different Authors.

Integrated Library Management System - Library automation has key role in library management. Library automation process has been started by using the "Partially MKCL's LIBRERIA" Integrated Library Management System in 2011 maintained in a local server. This system includes various modules like Acquisition, Cataloguing, Circulation, Serial control, User Management, Reports, and OPAC.

The Catalogue module is utilized for converting library resources retrospectively. It can process newly acquired resources as well. This module's robust features enable cataloguers to create their own templates for entering data for various library resources. It supports user-generated customized reports and facilitates an authority database for personal names, corporate bodies, subject headings, and series names.

The Circulation module handles various circulation functions, starting from managing memberships, maintaining and tracking the status of library items, handling transactions, dealing with overdue charges, managing renewals and reminders, and providing search status and report generation based on item status.

The Online Public Access Catalogue (OPAC) offers both simple and advanced search features,

requiring minimal information for each item, such as author, title, subject headings, keywords, class number, accession number, or a combination of two or more details about the item. Additionally, it supports the search for items that are currently in the library's acquisition process.

Subscription to e-sources and journals

The college has maintained institutional membership to INFLIBNET-NLIST, Gujarat, since 2011, granting access to a wide array of digital resources and databases. These resources include online databases, academic journals, and e-books, facilitating the sharing of e-journals and e-databases, both bibliographical and full-text. Access to computers is available in the Internet Zone, equipped with terminals for accessing online resources, e-books, and e-journals, thereby supporting research and academic endeavors.

The Library OPAC allows users to search for available books in the library.

Barcode technology is implemented throughout the library, with all books and membership cards being barcoded. Transactions related to issuing and returning books are carried out using devices equipped with barcode scanners.

The library is equipped with a **CCTV Surveillance System** to enhance security measures.

UGC Network Resource Center has been set up in the library, providing students access to computers for utilizing e-resources.

To ensure uninterrupted power supply, a **3 KVA power inverter** is installed to meet the library's electricity needs 24/7.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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:

Internet Connectivity:

- The institution has recently upgraded its internet connectivity to 100 Mbps bandwidth, initially provided by TLN Communication, Karad and now updated by BSNL, to ensure faster access to online resources for academic and administrative purposes.
- Open access Wi-Fi connectivity is available in campus for students and staff to promote collaborative learning and administrative efficiency.

Computers:

- Each department has computer with internet connectivity available for both students and faculty.
- The institute has total 204 computers with latest update for meeting the increasing demand for computing resources.
- The computer laboratory is well equipped with uninterruptible power supply (UPS) and battery backup systems, along with robust antivirus protection.

Laptops:

- Laptop facility is provided to faculty members, offering flexibility and mobility in teaching delivery and facilitating research and administrative tasks.

Software:

- ICT facilities are regularly updated with new software versions, including antivirus protection, to ensure optimal performance, security, and compatibility with evolving technological trends.
- The institution embraces open-source software like R software, Python and SYSTAT, fostering a culture of innovation and cost-effectiveness in software utilization, while also investing in proprietary software solutions such as SPSS to meet specific academic and research needs.

Smart Classrooms:

- Smart classrooms feature interactive boards and smart panels for enhanced teaching and learning experiences, fostering student engagement and collaboration through multimedia presentations and interactive learning activities.

Library:

- The library utilizes MKCL LIBRERIA software for student ID card generation and housekeeping activities, streamlining library operations and enhancing user experience through efficient resource management.
- It is equipped with computers, reprographic facilities, printers, displays, and scanners, providing students and faculty with comprehensive access to academic materials and research tools to support their scholarly pursuits.

Office:

- Academic and administrative communications are carried out through various platforms including emails, Zoom, Google Meet, and Webex, facilitating seamless collaboration and information exchange among stakeholders.
- Tally Software is used for account management, and staff attendance is recorded using a

Biometric device, ensuring transparency and accuracy in administrative processes.

- Admission software from Biyani Technologies Limited streamlines admission processes, simplifying enrolment procedures and enhancing the overall efficiency of student administration.

Additional Facilities:

- The institution subscribes to the Zoom-pro platform for online meetings, webinars, and seminars to facilitate virtual interactions and knowledge sharing among students, faculty, and external stakeholders.
- Video capturing cameras with microphone facilities are installed, enabling the recording and dissemination of lectures, presentations, and other educational content to support blended learning initiatives.
- AMCs are signed with various service providers for IT facilities maintenance, ensuring the optimal functioning and longevity of hardware and software.
- The campus is under CCTV surveillance for security, providing a safe and secure environment for students, faculty, and staff.
- LCD projectors, LCD TVs, colour printers, all-in-one printers, and scanners are purchased for effective administration, enabling efficient documentation, communication, and presentation of information in both academic and administrative settings.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3.2

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

Response: 8.56

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

Response: 190

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

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: 49.45

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)**

2022-23	2021-22	2020-21	2019-20	2018-19
15.00	30.9	9.86	20.00	16.05

File Description	Document
Institutional data in the prescribed format	[View Document](#)
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)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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: 55.91

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**

2022-23	2021-22	2020-21	2019-20	2018-19
973	993	692	1253	1277

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: A. All 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)	[View Document](#)
Report with photographs on ICT/computing skills enhancement programs	[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](#)	

5.1.3

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

Response: 73.73

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**

2022-23	2021-22	2020-21	2019-20	2018-19
1316	1789	760	1954	1022

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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	[View Document](#)
Proof related to Mechanisms for submission of online/offline students' grievances	[View Document](#)
Proof for Implementation of guidelines of statutory/regulatory bodies	[View Document](#)
Details of statutory/regulatory Committees (to be notified in institutional website also)	[View Document](#)
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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: 64.26

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

2022-23	2021-22	2020-21	2019-20	2018-19
369	404	384	396	324

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

2022-23	2021-22	2020-21	2019-20	2018-19
452	706	540	685	538

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)	[View Document](#)
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)	[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](#)

5.2.2

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

Response: 13.98

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.)**

2022-23	2021-22	2020-21	2019-20	2018-19
40	28	27	34	17

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	[View Document](#)
Institutional data in the prescribed format	[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 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: 37

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*

2022-23	2021-22	2020-21	2019-20	2018-19
21	11	2	1	2

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: 22.4

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

2022-23	2021-22	2020-21	2019-20	2018-19
39	30	6	16	21

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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:

Though we have no registered Alumni Association of Yashwantrao Chavan College of Science, Karad, we are in the process to register the Alumni Association.

The following body is proposed for the same.

1. Hon. Altaf Husain Mulla   Chairperson

2. Hon. Dr. Ashokrao Dubal   Secretary

3. Hon. Dr. S. B. Kengar   Treasurer

4. Dr. B. E. Mahadik   Member

5. Dr. J. U. Patil   Member

6. Dr. S. D. Karande   Member

7. Dr. A. A. Lole   Member

8. Dr. G. A. Kadam   Member

9. Dr. A. M. Patil   Member

During the last five years Alumni has contributed to the college.

The yearwise contribution of the Alumni is as follows:

- 2022 - 2023   Rs.   72000/-
- 2021 - 2022   Rs. 102000/-

- 2020 - 2021   Rs.   67500/-
- 2019 - 2020   Rs.   64500/-
- 2018 - 2019   Rs.   63300/-

The relevant receipts of the Alumni Contribution are uploaded on the College Website.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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:

The governance of the institution is reflective of and in tune with its vision and mission.

VISION

"To educate students through dedicated holistic attitude to develop ethical, disciplined, sensible and determined citizen to cope with local to global challenges"

MISSION

To Perpetuate a science culture among the rural masses of this region so that the youth develop a scientific temperament and build up a capacity for objective enquiry that can help them better their lives and help avail of the best in advanced educational facilities available locally and elsewhere in the country so as to grow up into dutiful citizens and contribute actively to the scientific growth of the nation.

QUALITY POLICY

To create a "Center of excellence" through a continual improvement in the effectiveness of the Quality Management System, with the best of material and intellectual infrastructure along with a support structure that would provide adequate facilities to lift even the poorest and most backward of students to the highest level possible for their and the country's progress.

A. Nature of Governance:

Institutional governance is democratic, decentralised, and participatory, and it values the active involvement of all parties. The Shri Shivaji Education Society, Vidyanagar, Karad's Board for Higher Education, Vidyanagar, Karad, is responsible for overseeing the governance of the college. The college development committee (CDC) is also constituted as per the Maharashtra Public University Act 2016. The CDC is the approving body for the academic, administrative, and infrastructural development plans of the college. The principal of the college has power of governance at different levels with the different levels of functionaries in the college. All committees, heads of departments, cell coordinators, and programme officers play crucial roles in decision-making and the implementation of policies for sustainable growth of the institute.

B. Participation of Teachers in Decision Making Bodies

- Teachers play a vital role in implementation of the vision & mission of the institute & actively participate in decision making process at various levels.
- Department heads (HODs) exercise a lot of administrative and academic autonomy.
- Teachers play role in shaping institutional policies by actively participating in committees such as the CDC, as well as other administrative and academic committees established to ensure the college operates effectively.
- Teachers assume a crucial role as motivators and leaders in cultural and socially aware initiatives, guiding activities such as NSS, NCC, Study centres and Sports activities.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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 IQAC has taken initiative in developing the perspective plan for a ten-year period by considering vision, mission, quality policy, etc. The perspective plan for the period of 2018 to 2028 includes:

- Curriculum Aspects
- Teaching, learning, and evaluation.
- Research, consultancy and extension
- Infrastructure and learning resources
- Student support and progression
- Governance, Leadership and Management
- Institutional values and best practices

Governance:

The "Shri Shivaji Education Society's Board for Higher Education, Vidyanagar Karad" is the governing body of the Yashwantrao Chavan College of Science, Karad. It is a registered educational society that was founded in 1945 by the late Hon. Shri Yashwantrao Chavan with the primary goal of advancing high-quality education at the primary, secondary, and higher levels in all fields, including the arts, commerce, science, technology, industry, agriculture, etc., as well as by providing adequate infrastructure and cutting-edge facilities for the same. Another of its key goals was to spread this educational environment

throughout the neighbourhood. So, in 1945, it opened the Shri Shivaji Vidyalaya Karad. A pure science college was desperately needed in the area in 1956. The praise for being so audacious. The late Hon. Shri Yashwantrao Chavan, together with his friend the late Hon. Shri P. D. Patil and others, made every effort to actualize this ambition, and they deserve respect for taking such a risky move. In June 1958, they founded the "Science College" after becoming enthused. Now known as Yashwantrao Chavan College of Science, Karad, this college is one of the top academic institutions in the area.

College Development Committee (CDC)

The college development committee (CDC) is also constituted as per the Maharashtra Public University Act 2016. The CDC is the approving body for the academic, administrative, and infrastructural development plans of the college. The CDC consists of the chairman of parent management as president, one general secretory, local members, one nominated HOD, teachers' representatives, one lady representative from teachers, the IQAC coordinator, one representative of non-teaching staff, the secretary of the student council, and the principal as secretary.

Student Development Cell Committees:

The committees responsible for student development and grievances are functional, indicating participative management and decentralization of power in the functioning of the institute.

Administrative Committees:

The administrative committees are responsible for the smooth functioning of the institution, indicating participative management and decentralization of power in the functioning of the institute.

Service Rules, Regulations, Procedures, and Recruitment:

The recruitment, service rules, and procedures are followed and implemented as per the rules and regulations of UGC, Government of Maharashtra, and the parent institute.

File Description	Document
Upload Additional information	[View Document](#)
Institutional perspective Plan and deployment documents on the website	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2.2

Institution implements e-governance in its operations

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

4.Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	[View Document](#)
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	[View Document](#)
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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:

PERFORMANCE APPRAISAL SYSTEM

The performance-based evaluations for Teachers as - "Annual Self-Appraisal Report (ASAR) as per 7th Pay UGC Regulation 18th July 2018 and Govt. of Maharashtra Resolution 8th March 2019.

ASAR includes the following:

1. General Information
2. Academic Qualifications
3. Research / Fellowship / Research Training Program,
4. Experience
5. Orientation / Refresher / Short Term Course Completed.

EFFECTIVE WELFARE MEASURES

In our college, Staff welfare is given much more importance Existing welfare measures for teaching and non-teaching staff are mentioned below:

- Health insurance.
- Leave for all staff members

- Maternity leave for Ladies' staff members.
- College play ground is also accessible for the staff.
- As Institution has a multicultural environment on campus, the management ensures the celebration of all the festivals together
- Staff quarters are also available.
- Sanction of duty leave to attend and present papers at national and international conferences.
- Permission to attend faculty development programs (FDP) for faculty members.
- A canteen for snacks, beverages, and tea has been established in college campus, which is accessible to staff.
- Head of Departments are provided with individual cabins and systems to facilitate a good ambience.
- As per Shivaji University Norms: Summer and Winter Vacations for Teaching and Non-Teaching Members.
- Automation of attendance and leave using a biometric system.
- Loan Facilities: PF, Staff Society
- Group Life Insurance
- Reimbursement of Medical Bills
- Uniforms for non-teaching (supportive) staff

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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: 0.31

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**

2022-23	2021-22	2020-21	2019-20	2018-19
00	00	00	00	01

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

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: 10.24

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**

2022-23	2021-22	2020-21	2019-20	2018-19
2	4	13	10	5

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

2022-23	2021-22	2020-21	2019-20	2018-19
2	2	2	2	2

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

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:

FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

The institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year.

Every academic year, the institution carries out both an internal and external financial audit to ensure that accounting procedures are accurate and transparent. Qualified chartered accountants carried out the internal and external audits. Chartered accountant: M/s. P. L. Kulkarni and Co. Karad carried out an internal audit. Chartered accountants SSSS Godbole and Associates have carried out an external (statutory) audit.

A statutory audit of charitable trusts is conducted annually in accordance with the Bombay Public Trust Act. The purpose of the audit is to reassure the trustee, interested parties, and regulatory bodies that the trust's financial statements accurately depict its operations. According to Indian auditing standards published by the Institute of Charted Accountants of India, New Delhi, an audit is conducted by a trained chartered accountant.

If any significant differences are found during the audit, they are reported immediately to both the charity commissioner and the trustee. In addition, the income tax statute subjects the trust to an audit to make sure that its money is exclusively being used for charitable purposes.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

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 institutions

4. Participation in NIRF and other recognized rankings

5. Any other quality audit or accreditation recognized by state, national or international agencies such as NAAC, NBA, etc.

The Internal Quality Assurance Cell (IQAC) has contributed significantly to carrying out all the activities of the institution's functioning. The IQAC prepares, evaluates, and recommends the following:

Submission of Annual Quality Assurance Report (AQAR), Self-Study Reports of accreditation body-ISO and NAAC, Career Advancement Scheme (CAS)- PBAS/ASAR, stakeholder's feedback, etc. The two examples of practices institutionalized as a result of IQAC initiatives are as follows:

1. ISO Certifications: The IQAC has undertaken crucial measures to prepare detailed quality manuals, identify key performance indicators, and implement other processes in accordance with ISO guidelines, resulting in the successful attainment of ISO 9001:2008 and 9001:2015 certifications.
2. The institute motivated faculty members to engage in diverse online and offline Faculty Development Programs (FDPs), workshops, and other beneficial programs to enhance their knowledge and teaching effectiveness.
3. Encourage faculty to attend and participate in different online and offline conferences, webinars, and seminars to promote the research attitude.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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: A. Any 4 or more of the above

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

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:

The institute has a co-education policy. As a result, the institute offers all genders equal opportunity for student-centered activities like extracurricular sports, and academic ones. The activity of the institute run accordance with the annual gender plan. Institution every activity takes care to eradicate societal discrimination based on gender. We are dedicated to giving a safe and secure atmosphere to every stakeholder. The following action has been taken to promote gender equity:

Gender Equity :

- Gender audit provides an in-depth analysis of the institute and emphasizes significant gender equity issues. After the completion of the admissions process, the institute conducts a gender audit through internal committee. The audit committee compiles data and evaluates the percentage of admitted male and female students.
- The NSS, sports, and other extracurricular and cocurricular activities or programs include equal participation for girls.
- Girls admitted to the NCC are in accordance with government regulations.
- Programs for women's empowerment, such as guest lectures on women's health issues, women's rights and laws, women-centric cultural activities, health check-up, competitions etc., are organized by the ladies association and gender equity, ladies hostel, NSS, and other committees.

Safety and Security :

- The institute is surrounded by a wall and has two main entrance gates and A separate security guard has been appointed to each gate.
- In the institute, the CCTV cameras are installed at numerous prominent places.
- Every employee of the institute is committed to the security and safety of womens.
- The institute has a discipline committee, a prevention of sexual harassment committee, Proctorial (Anti-ragging) committee, students grievance redressal cell, and an internal complaint cell that continuously monitors and addresses any safety concerns that may occur on campus as well out-of-campus. The cell phone numbers of these committee members, the institute principal, and the local police station (helpline number) are displayed in the prominent places of the institute.
- A female staff member accompanies them on out-of-campus visits or programs, such as NSS camps, study tours, industrial visits, field visits, placement activities, etc., in order to ensure the security of female students.
- "*Nirbhaya Pathak,*" a police patrolling van, makes frequent visits to an institute campus.

- To meet the needs of the girls, a sanitary vending machine has been installed on campus.
- The institute has a separate ladies' room. It consists of a wash basin, a bed for resting, a water filter, a notice board, and a complaint box.
- The institute has a separate and highly secure women's hostel with a well-furnished room, reading room, mess, rest room for the divyangjan, ramp, wheel chair, etc.

Counselling :

- The institute has a separate guidance batch scheme (mentor-mentee) for the counselling of students. All the faculty members of the institute are actively involved in the students counselling through this scheme.
- The student grievance redressal cell is available to provide counselling for the students.
- Members of the Ladies Association and gender equity committee actively assist students with various issues through counselling.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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.	[View Document](#)
Geo-tagged photographs/videos of the facilities.	[View Document](#)
Circulars and report of activities for the implementation of the initiatives document	[View Document](#)
Bills for the purchase of equipment's for the facilities created under this metric	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

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: A. All of the above

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

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:

Yashwantrao Chavan College of Science, Karad was established by Hon. Yashawantraoji Chavan to provide education to downtrodden and underprivileged. Institute promotes an inclusive environment respecting diversity across various aspects through various activities. It ensures no one is distinguished based on caste, religion, color, or gender, preserving the Indian heritage of languages, religions, and cultures.

Institute promotes following activities:

Cultural

- Institute has a separate cultural and Ladies association committee that organize events like traditional day, Navratri and Dandiya programs.
- Traditional day is celebrated on Makar-Sankranti, a day where students dress up to honor Indian culture.
- Students participate in youth festivals and competitions like rangoli, mehandi, etc., reflecting culture.
- Commemorates Shiv-Swarajya Din, and M*ardani Khel Dandpatta* on Chatrapati Shivaji Maharaj birth anniversary.
- Celebrate festival of light *Diwali,* and *Dasara-Khandenavami,*
- Botany department celebrates Tree *Rakshabandan.*
- Boys hostel celebrates Ganesh festival every year.
- Celebrates birth and death anniversary of the leader

Linguistic

- Marathi bhasha Gaurav din, celebrated on V.V.Shirwadkar's (Kusumagraj) birth anniversary.
- Organizing every year a state-level essay and Shivaji University, Kolhapur-level elocution competitions on the name of Hon. Yashwantrao Chavan, promote regional Marathi language.
- Institute's Yashwant magazine features two lingustic sections, Marathi and English, to enhance students' language writing skills.
- Celebrates Hindi Diwas on 14th September every year.
- Organizing conferences, webinars, seminars, guest lectures, avishkar on native language - Marathi and English.

Communal and socioeconomic harmonic

- Awareness programs of Cultural committee, NSS and NCC
- Provides food grains, clothes and financial assistance for flood affected people
- Donated fruit and food grains to boys living at Remand home, Karad
- Provides financial assistance to low-income students from the Poor Student Aid Fund (PSAF) of the institute
- Provides financial assistance to COVID-19 chief minister fund – Rs 12,90,521/- and prime minister funds – Rs. 11,00,000/-, Lahoti Surgical Satara (Corona PPE Kit) 1,05,000/-, Shri. Ajit Patil (State Sport Coach) - Rs. 1,00,000/-, Kasturi Savekar (Mountaineer) – 1,00,000/-, Dinanath Singh (Wrestler) - Rs 1,29,566/-.
- Organization of blood donation camps.

Constitutional obligation

- Automatic national anthem plays every day at 11.20 a.m. except Sunday
- Displayed the Constitution Preamble at various prominent places
- Commemorates Constitution Day on November 26th, where we read the preamble of the Constitution and arrange a guest lecture.
- Celebrated Wachan Prerana Din on the birth anniversary of Dr. A.P.J. Abdul Kalam.
- Celebrates Voters Day, Independence Day, Republic Day, and Maharashtra Day.

Regional

- Helping hands for victims of floods,
- Health awareness and check-up camp,
- COVID vaccination campaign
- Various awareness programs for the villages at NSS camp

Values, duties and responsibility of citizens :

- Promoting social responsibility through various events like guest lectures, cleanliness campaigns, tree planting, competitions, blood donation camps, Vanmahostav, and Wild Life Week.
- Staff performs duties in the lokasabha/ vidhansabha elections.

Code of Conduct

- Code of conduct is displayed on the institute website.
- Code of conduct, anti-ragging, discipline, and ICC committees collaborate to create policies for investigating and reviewing student and faculty complaints.
- The principal's lectures on the code of conduct to all stakeholders
- A special workshop on IPR, report writing, patent filing, copyright, and trademarks is organized.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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

Exploring Science Frontiers - Lab to Land

Objectives of the Practice:

- Build students interest in applied science.
- Provide hands-on training and education on lab and land work.

- Implement lab skills on land for knowledge.
- Increase awareness of applied science.
- Provide societal benefits through scientific solutions.
- Foster scientific thinking for societal problem-solving.

The Context:

Yashwantrao Chavan College of Science, Karad is a leading science institute in Karad, focusing on promoting scientific solutions to problems. Institute is amongst first in region encourages students to apply knowledge to real-world through various activities like hands-on, energy-saving campaigns, soil-water analysis, kisan help desk, food festival and recipes. Thus, implementing the knowledge gained to help society grow is the best service to wisdom and the Nation.

The Practice

This practice is been implemented in collaboration with all the Departments in Institute.

1.Food Festival

Microbiology and Biotechnology department organized a Food Festival to start student's entrepreneurial journeys, promoting fermentation and fermentation-based food preparation.

2.Millet Festival

Department of Botany organized a Millet festival to highlight the nutritional value and distribution of millet, involving students in seed art and delicious recipes.

3.On Field Water TDS (Total Dissolved Solids) Checking

Public health outcomes can be improved by raising awareness about water quality, identifying potential health risks, and addressing issues to enhance community resilience and commitment to well-being.

4.Soil Analysis

Department of Chemistry is analyzing soils to improve agriculture, land management, and environmental conservation. Understanding soil carbon and nitrogen, as well as pH. Principles can contribute to carbon sequestration and climate change mitigation.

5.Energy Saving Campaign

Electronics department is promoting energy-saving measures, lowering electricity bills, and promoting power-efficient equipment and renewable energy sources. Students and staff visit home and entrepreneurs, gaining support and positive feedback.

6.Kisan help desk

Computer Science department provides a help desk for farmers struggling with technology and complexity, guiding them to access government schemes.

7.Renewable Energy Awareness Campaign

Physics Department is utilizing graduate students to promote renewable energy resources focusing on solar, wind, and hydroelectricity over non-renewable sources.

Evidences of Success

Since June 2018, the institute has successfully organized the following activities:

Sr. No.	Activities	Department	Academic Year	No. of beneficiary
1	Food festival	Microbiology and Biotechnology	2019-20 2023-24	**358**
2	Millet festival and Seed art	Botany	2019–20 2023–24	**195**
3	Water TDS Checking	Chemistry	2018–19 to 2023-24	**47**
4	Soil Analysis	Chemistry	2018–19 2019–20 2021–22 2022–23 2023–24	**82**
5	Energy Saving Campaign	Electronics	2018–19 to 2023-24	**615**
6	Kisan Help Desk	Computer Science	2018–19 to 2023–24	**68**
7	Renewable Energy Awareness	Physics	2020–21 2022-23, 2023 – 24	**19**

Problem encountered resource required

- Lack of awareness amongst locals makes it difficult for implementation on large scale.
- Practices like door-to-door survey not always happen as planned.
- People do not always treat well to the questions.
- Involvement of NGOs can put a driving force in such activitie

Best Practice 2

Title: FFF: Flora Fauna for Future

Objectives of the Practice:

- To conserve and spread awareness amongst youth regarding flora-fauna restoration.
- To understand importance of recycling-upcycling of plastic, other non-degradable material.
- To implement solutions for global warming and environmental degradation.
- To focus on indigenous species plantation.

The Context:

For future perspective, it is our sole responsibility to conserve the important components of ecosystem, including fauna. Flora and fauna give us everything. By preserving both, we can contribute to our ecosystem and existence, fostering a harmonious relationship between humans and nature.

This practice is implemented in collaboration with Eco-club, Eagle Nature Club, Green club, NSS, NCC and institute departments.

The Practice:

1. Indigenous tree plantation

We focus on plantation of indigenous plants rather than introduced and exotic. Apart from campus we have planted trees in Banawadi, Kival, Government College of Engineering, villages during NSS program and many more. Main reason is to provide the best possible habitat to planted trees.

2. Plant Donation

Institute is actively involved in plant distribution and plantation. Institute run this activity every year and donates plants to municipal corporation, schools, colleges and institutes. Number of groups are involved in the activity. These groups have responsibility to donate the plant and make them grow.

3. Eagle-Nature-Club

Every year, first week of October is wildlife week and is organized by Eagle Nature Club. Various poster competitions, lectures, film shows are organized for students.

4. Spreading Awareness

We conduct awareness programs for nature restoration and conservation. As our practice name is FFF,

we focus all aspect related to flora and fauna for betterment of future. We arrange workshops, poster presentations, model making and rangoli competitions.

5.Eco-friendly Rakhi

Students and staff actively participate in activity. We arrange workshops and rakhi making competition for students.

6.Recycling and Up-cycling of waste

Eco-club and Eagle Nature club collaborate on nature-friendly activity focusing on plastic and derivatives. Students use waste material like thermocol, plastic bottles to create decorative idols and home decors.

7.Vermicomposting

Department of Zoology offers an add-on course for students on vermicomposting. Students prepare compost from organic waste collected in campus. This compost is utilized for plants, reducing need for chemical fertilizers.

8.Eco-Friendly Ganesh Utsav:

Eco-Club actively participates in celebrating Eco-friendly Ganesh Utsav every year. Students spread awareness to uses shadu clay instead of synthetic and hazardous colors. Main purpose of activity is to stay aware of environmental problem and find solutions.

Evidence of Success:

Since June 2018, the institute has successfully organized the following activities:

Sr. No.	Name of Activities	Eco, Eagle Nature & Green Club	Departmental Activities	NSS & NCC	Total
1	National Webinar, State Webinar, Workshop and Guest Lectures	11	08	03	**22**
2	Plantation Drives	04	02	07	**13**
3	Competitions	-	04	-	**04**
4	Exhibitions	-	03	-	**03**
5	Celebration of Days	01	02	-	**03**
6	Awareness Programs	07	04	07	**18**
7	Online Quiz	12	-	-	**12**

8	Cleanliness Campaigns	-	-	19	**19**
Total		**35**	**23**	**36**	**94**

Problems Encountered and Resource Required:

- Conservation and restoration of flora is possible as compared to fauna.
- Lack of awareness amongst locals.
- Large plantation drives need manpower.
- Collaboration with big NGOs can change the game for institutes.

File Description	Document
Best practices as hosted on the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

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:

Institutional Distinctiveness

- Yashwantrao Chavan College of Science, Karad, is a sixty-five-year-old premier institution in education.
- Institute located in a rural hinterland,
- Campus area forty five acres with green and spacious
- Institute has spacious classrooms and well-equipped laboratories.
- The institute departmental herbarium and museum consist, 2500 specimens from 98 families, 45 FFA-presented plant specimens, 337 FAA-preserved animal specimens, 107 plastic-embedded animal specimens, and 1700 rocks, minerals, and fossils.
- Institute offers twelve principal subjects, including a unique 'Pollution' subject and a specialized Bachelor in Computer Science-Entire program.
- Institute postgraduate programs include M.Sc. in five subjects and Ph.D. in four.
- Institute offers sixty-one short-term certificate courses,
- Institute has a large playground, hostels, central library, computer laboratory, and botanical garden.
- Institute has highly qualified teachers actively involved in research.
- Institute offers various co-curricular and extracurricular activities to develop students' moral

values, scientific temper, and skills.
- Institute has an ISO certification.

Institutional Distinctive Features

Yashwantrao Chavan, our founder, took the lead in bringing about social and political changes that India required in 20th century. He is a great freedom fighter. Thus, Institute renamed Yashwantrao Chavan College of Science, Karad after his sad demise. In his honor, the institute also holds number of events, including essay and elocution contests. Institute published a '*Yashwant*' magazine every year in his honor.

Institutional major distinctiveness are,

1.Grass Surveys, Novelties and New Records

During last five years extensive and intensive survey and collection of grasses from different states of India have been done by department of Botany. After critical studies and review of literature some interesting grasses were described as new species as well as some grasses found to be additional records for some states.

Following is the brief account of taxonomic research: -

A.New Species:

a)Capillipedium yashwantraoi

- During floristic exploration of under DST SERB Major Research Project, a new grass species '*Capillipedium yashwantraoi* Tarbej and Potdar*'* described from the Amarkantak, Anuppur district of Madhya Pradesh, India and published in **Phytotaxa**. Vol. 502, Issue 02, May 2021.
- The specific epithet *'yashwantraoi'* honors Hon. Late Yashwantrao Chavan for his significant contribution as first Chief Minister of Maharashtra and ex-Deputy Prime Minister of India.

b)Chrysopogon shrirangii

- During floristic exploration of under DST SERB Major Research Project, a new grass species '*Chrysopogon shrirangii* Tarbej, Pooja and Potdar' described from the Belgaum district of Karnataka, India and published in **Nordic Journal of Botany**. Vol. 38, Issue 07, July 2020.
- Specific epithet *'shrirangii'* honors Prof. Shrirang Ramchandra Yadav, Eminent Taxonomist, Angiosperms Taxonomy Laboratory, Dept of Botany, Shivaji University, Kolhapur (MS), India, for his valuable contribution in field of Angiosperm Taxonomy.

B)New Variety:

a)Heteropogon ritchiei **var.** *glabrum*

- During floristic exploration at Western Ghats of Maharashtra new grass variety *Heteropogon ritchiei* var. *glabrum* Potdar, Tarbej and M.Y.Kamble is collected and described from Kelghar

ghat, Satara district of Maharashtra, Accepted for publication in **The Indian Forester**.
- The specific epithet **'glabrum'** is given to new variety for its glabrous lower glume of pedicelled spikelet.

C)New Distributional Records:

- During last five years department has reported total of **nine new distributional records** of plant species from Maharashtra & Telangana.
- *Bothriochloa insculpta* & *Bothriochloa woodrovii* were reported as a new distributional record for Telangana state and *Bothriochloa ewartiana, Datura discolor, Capillipedium parviflorum, Eragrostis zeylanica, Saccharum griffithii, Bothriochloa ischaemum* & *Setaria barbata* were reported as a new distributional record for Maharashtra state**.**

D)Species Identifications

In last five years, two hundred plant species are identified primary level for other college student projects.

E)Plant Barcoding

Plants in the institute premises are tagged with unique QR codes. QR is helpful in keeping record as well as its general information. Scanned QR provides basic botanical information regarding plant species, its botanical name, common name, uses and taxonomy.

2.Y. B. Chavan Competitive Examination Guidance Centre :

Y. B. Chavan Competitive Examination Guidance Centre, established in 2017, aims to train students for government service by providing quality education and facilities.

- Twenty-five students at the academy have qualified for various positions through competitive examinations.
- Center has separate library, ICT room, lecture hall, conference room, reading rooms, coordinator, and essential amenities.
- Academy operates in a self-disciplined manner, with students taking charge of various activities.
- Senior students actively teach students and manage library activities and test series.
- Institute offers regular MPSC and UPSC coaching, crash courses, motivational lectures, interaction with alumni, and peer discussions.
- Institute provides a freeship of one month per year for needy students and waives fees for students qualifying for the MPSC/UPSC Main Examination.
- Institute grooms students' competitive examination mindset through debates, discussions, quizzes, and activities.
- Teachers serve as volunteer subject experts and prepare quality questions.

3.Fitness Zindabaad Club :

- Institute launched the Fitness Zindabaad club to promote physical fitness and health awareness.
- Club promotes participation in physical fitness-related events, including cycling, running, trekking, marathons, and sports, among members of the institute and society.

- Club plans the yoga day each year.
- Every stakeholder has participated in a variety of physical fitness-related activities throughout the past five years.
- Institute faculties take part in various local, national, and international events. Won 23 medals and rank

4.Sports :

- Institute has 8-lane 400-meter athletics track, our large playground area features a football field, a cricket pitch, handball and hockey fields, and volleyball courts, kabbadi, kho kho, and softball squares, long jump, etc. There is equipment available for all of these games and sports.
- Number of our students excel in a variety of sports at the district, zonal university, state, and all India levels each year.
- Institute has good sports achievement out of which one international, eight national and twenty University level competition.

5.Science Seminar

- Science is a dynamic field of knowledge that keeps changing at a rapid pace.
- It is not always possible to include all new developments in the regular curriculum of study in academic institutions. However, students need to be given as much up to date knowledge of latest developments as possible.
- Every department of the institute undertakes this activity every year by organizing popular lectures.
- Since June 2018 institute has organize more than thirty-two science seminars.

File Description	Document
Appropriate web in the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

Institute has faced Academic Administration Audit (AAA) aquires A++ grade from Shivaji University, Kolhapur.

Institute successfully organized 50th Satara District Level Science Exhibition in as association with Rajya Vidnyan Shikshan Sanstha, Nagpur Govt. of Maharashtra and Satara Jilha Parishad, Shikshan Vibhag, Satara

Herbarium of Botany department has large number of plants gathered by students and staff members. It presently consists of about 2500 herbarium specimens belonging to 98 families. Department also possess museum of 45 FAA preserved plant specimens.

The Department of Zoology has vast collection of 337 FAA preserved specimens along with unique 107 plastic embedded specimens and rare specimens

Department of Geology has a rich collection of 1700 rock, minerals and fossil specimens which gives an idea of living fossil.

Institute is a member of Bureau of Indian Standard (BIS) standard club and conducted various activities under BIS.

Teachers and Students helped to Everest expedition girl Miss. Kasturi Savekar, sport expert Shri. Ajit Patil for students sports activity and Hindkesari Shri. Dinanath Sinh.

Our Sanstha also donated Rs. 11 lakh to Prime Minister Care and Rs. 11 lakh to Chief Minister Fund during Covid-19 pandemic period.

Concluding Remarks :

This college is a grant –in-aid institution affiliated to Shivaji University, Kolhapur and included under sections 2(f) and 12(B) of the UGC ACT. Reaccredited B++ by NAAC in 2017 and it is also an ISO 9000:2015 certified.

By considering the interest and needs of parents and students through scientific point of view, the institute is offering 13 undergraduate and 5 postgraduate courses and has started 4 Ph.D. recognized research laboratories in the subject of Zoology, Botany, Microbiology and Chemistry Subject.

In recent years, the institute has implemented a variety of skill-based value-added courses to upgrade the knowledge. The institute has organized students centric based workshops, conferences, seminars, lead college activities, department wise science seminars on various innovative theme and has also organized workshops on revised syllabus for Enrichment curriculum for teachers under Shivaji University, Kolhapur. The institute has provided ICT enabled classrooms for teaching and students.

The faculties have published research papers in UGC care list journals at National and International with high

impact factors and citation index. The Institute has conducted as various audits such as Academic Administrative, Green energy and Gender equality.

The institute has provided as a several support services in the form of Central Library, Sports, NCC, NSS, Cultural, hostel, Canteen, Staff quarters, vehicle parking, drinking water in the campus.

The central library an extensive collection of resources that is easily accessible to all including journals, e-journals, e-books and books, book bank services to faculties, students and research scholars. Library is automated with MKCL's LIBREREIA software. The students and faculties of the institute have achieved Prizes, awards, medals at university, state level and some faculties also granted Indian patents.

The institutes have been actively participated in providing aid during natural disasters such as floods as well as National Covid 19 -pandemic period and also involved in environmental consciousness like Swachh Bharat Abhiyan, celebration of environmental days and wild life week through NSS, NCC, Eco club and Eagle nature club.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification

1.2.1	**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)**
	
	    Answer before DVV Verification :
	    Answer After DVV Verification :34
	  Remark : Input is edited from data template by removing multiple courses and the course part of regular courses and programs .

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* 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 Answer before DVV Verification:<table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>1469</td><td>1366</td><td>920</td><td>1057</td><td>1015</td></tr></table> Answer After DVV Verification :<table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>353</td><td>71</td><td>9</td><td>24</td><td>16</td></tr></table> Remark : Input is edited from certificates provided by the HEI in supporting documents .
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)* 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** Answer before DVV Verification:<table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>26</td><td>27</td><td>20</td><td>26</td><td>25</td></tr></table> Answer After DVV Verification :<table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>27</td><td>26</td><td>15</td><td>15</td><td>16</td></tr></table>

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:

2022-23	2021-22	2020-21	2019-20	2018-19
452	706	540	685	538

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
452	706	540	685	538

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:

2022-23	2021-22	2020-21	2019-20	2018-19

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)*
	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)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
0	0.1	0	0.1	20.66855

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
0	0.1	3.4	2.1	5.93163

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
17	21	09	21	16

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
16	21	11	21	16

3.3.1	**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years** 3.3.1.1. **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years** Answer before DVV Verification: {T1} Answer After DVV Verification : {T2} Remark : Journals notified on UGC care list during the last five years are considered input is edited according to it .

T1:

2022-23	2021-22	2020-21	2019-20	2018-19
39	24	18	17	15

T2:

2022-23	2021-22	2020-21	2019-20	2018-19
39	24	18	16	13

| 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**

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**
Answer before DVV Verification:

{T3}

Answer After DVV Verification :

{T4}

Remark : Input is edited from clarification documents considering calendar wise books and chapter . |

T3:

2022-23	2021-22	2020-21	2019-20	2018-19
20	3	1	5	3

T4:

2022-23	2021-22	2020-21	2019-20	2018-19
2	4	3	4	3

| 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.*

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** |

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
12	18	6	15	15

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
4	11	5	9	9

Remark : Input is edited considering outreach programs conducted by NSS/NCC with involvement of community during the last five years.

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 :26
	Remark : Input is edited from clarification documents excluding the Mou with sister institution and the MOU which are not in assessment period
4.1.2	*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
18.19659	25.92707	6.70369	19.25985	24.09948

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
18.19659	25.92707	6.65	19.03	24.09948

Remark : Input is edited excluding library software.

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)*

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)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
15.38839	31.23541	10.09633	23.15699	17.05389

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
15.00	30.9	9.86	20.00	16.05

Remark : Input is edited from data template excluding telephone electric and water charges .

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*

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
973	993	692	1253	1249

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
973	993	692	1253	1277

Remark : Input is edited from clarification documents.

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

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
1316	2022	760	2194	1022

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
1316	1789	760	1954	1022

Remark : Input id edited from 1.1 metric.

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

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.)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
47	36	35	50	37

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
40	28	27	34	17

Remark : Input is edited from the clarification documents.

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**

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*

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
22	11	2	4	2

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
21	11	2	1	2

Remark : Inter zonal certificates are not considered here.

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:

2022-23	2021-22	2020-21	2019-20	2018-19
67	38	15	21	26

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
39	30	6	16	21

Remark : multiple activities under one event can be considered as one ,input is edited according to it.

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: <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>02</td><td>00</td><td>00</td><td>00</td><td>05</td></tr></table> Answer After DVV Verification : <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>00</td><td>00</td><td>00</td><td>00</td><td>01</td></tr></table>
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: <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>25</td><td>53</td><td>46</td><td>27</td><td>17</td></tr></table> Answer After DVV Verification : <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr><tr><td>2</td><td>4</td><td>13</td><td>10</td><td>5</td></tr></table> 6.3.3.2. **Number of non-teaching staff year wise during the last five years** Answer before DVV Verification: <table><tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr></table>

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of teaching staff / full time teachers during the last five years (Without repeat count):** Answer before DVV Verification : 152 Answer after DVV Verification : 113
2.1	**Expenditure excluding salary component year wise during the last five years (INR in lakhs)** Answer before DVV Verification:

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
60.82062	67.45403	28.70776	56.50722	87.24247

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
33.19	56.82	16.51	39.03	40.109