

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2017-18

I.Details of the Institution

1.1 Name of the Institution

Yashwantrao Chavan College of Science, Karad

1.2 Address Line 1

Karad-Masur Road

Address Line 2

Vidyanagar

City/Town

Karad

State

Maharashtra

Pin Code

415124

Institution e-mail address

prinyccsk@gmail.com

Contact Nos.

02164-271356/7

Name of the Head of the Institution:

Dr. S. B. Kengar

Tel. No. with STD Code:

02164-271356/7

Mobile:

9850571346

Name of the IQAC Co-ordinator:

Dr. B. P. Relekar

Mobile:

9423816763

IQAC e-mail address:

iqacyccsk@gmail.com

1.3 NAAC Track ID(For ex. MHCOGN 18879)

OR

MHCOGN10975

1.4 NAAC Executive Committee No. &Date:

EC/57/RAR/53 dated 30-11-2011

1.5 Website address:

www.yccskarad.com

Web-link of the AQAR:

www.yccskarad.com/AQAR2017-18.pdf

1.6 Accreditation Details

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B ⁺⁺	82	16-02-2004	5 years
2	2 nd Cycle	B	2.42	30-11-2011	5 years
3	3 rd Cycle	B ⁺⁺	2.86	30-10-2017	5 years
4	4 th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

25/06/2004

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

- i. Nil
- ii. -
- iii. -
- iv. -

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

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

Type of Institution Co-education Men Women

Urban Rural Tribal

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

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

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI(Phys Edu)

TEI (Edu) Engineering Health Science Management

Others(Specify)

-

1.11 Name of the Affiliating University (*for the Colleges*)

Shivaji University, Kolhapur

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

-

DST Star Scheme	-	-
UGC-Special Assistance Programme DST-FIST	-	-
UGC-Innovative PG programmes	-	Any other (Specify) -
UGC-COP Programmes	-	

2. IQAC Composition and Activities

2.1 No. of Teachers	06
2.2 No. of Administrative/Technical staff	01
2.3 No. of students	01
2.4 No. of Management representatives	01
2.5 No. of Alumni	01
2.6 No. of any other stakeholder and community representatives	01
2.7 No. of Employers/ Industrialists	01
2.8 No. of other External Experts	01
2.9 Total No. of members	13
2.10 No. of IQAC meetings held	02
2.11 No. of meetings with various stakeholders:	No. 10 Faculty <input checked="" type="checkbox"/>
Non-Teaching Staff <input checked="" type="checkbox"/> Students <input type="checkbox"/> - Alumni <input type="checkbox"/> - Others <input type="checkbox"/> -	
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> - No <input checked="" type="checkbox"/>
If yes, mention the amount	-

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

2.15 Plan of Action by IQAC/Outcome

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

Plan of Action	Achievements
A Plan for quality initiatives for the various functions of the college was formulated at the beginning of the year and communicated to all concerned.	Using specific guidelines framed by the concerned bodies the plan of IQAC was executed. Some of the noteworthy achievements are – 1) Organized Inter zonal Athletics Meet of Shivaji University, Kolhapur 2) Financial Assistance was given to students to participate in Workshop on Statistics held at Turchi, Dist. Sangli.

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	1	-	-	-
PG	2	-	-	-
UG	2	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	9	-	9	-
Others	-	-	-	-
Total	14	-	9	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

UG :- Core PG :- CBCS

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	3
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni Parents Employers Students

(On all aspects)

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

Students satisfaction index (S.S.I.) of each department and that of college is as below:

Dept.	Physics	Chemistry	Mathematics	Statistics	Electronics	Geology	Botany	Zoology	Microbiology
S.S.I.	0.847	0.908	0.768	0.90	0.994	0.96	0.95	0.988	0.876
Dept.	Computer Science		Biotechnology						
S.S.I.	0.885		0.655						

S.S.I. of the College :- 0.763

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

No

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

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	19	12	07	-	-

2.2 No. of permanent faculty with Ph.D.

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	-	50	-	-	-	-	-	-	-	50

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	7	1
Presented papers	1	11	-
Resource Persons	-	3	-

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

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

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

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B. Sc.	538	23.04	18.20	10.78	-	52.02
B.C. S.	15	33.33	38.88	-	-	72.21
M. Sc. (Microbiology)	49	57.14	34.69	-	-	91.83
M. Sc. (Chemistry)	21	-	76.19	-	-	76.19

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

The IQAC has established a QMS under which it has given formats of ATP, MTR, SOP and feedback mechanism to determine the “Students Satisfaction Index” through which the entire teaching and learning process is monitored and course corrections made as necessary.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	1
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	-
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	13	15	-	-
Technical Staff	31	45	-	-

Criterion – III

3. Research, Consultancy and Extension

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

The IQAC directs the research committee to recommend and implement suitable measures to develop a scientific temper and research culture among faculty and also specifically among the students. The methods recommended are –

- 1) Organizing science seminars involving scientists of eminence.
- 2) Organize state/national/international scientific meets and involve students in large numbers.
- 3) Conducts seminars and workshops on research methodology and scientific writing specifically for UG students.
- 4) Motivate faculty and students to attend and present research papers in scientific meets elsewhere and also publish more research papers.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	20,56,855/-	-	-

3.3 Details regarding minor projects

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

3.4 Details on research publications

	International	National	Others
Peer Review Journals	17	7	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	-	4	-

3.5 Details on Impact factor of publications:

Range average h-index Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2017-2020	SERB DST	20,56,855/-	5,00,000/-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	20,56,855/-	5,00,000/-

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

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

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

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

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College
 Total

3.16 No. of patents received this year

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

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

Total	International	National	State	University	Dist	College
-	-	1	-	-	1	

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

3.19 No. of PhD awarded by faculty from the Institution

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
 National level International level

3.22 No. of students participated in NCC events:

University level State level
 National level International level

3.23 No. of Awards won in NSS:

University level State level
 National level International level

3.24 No. of Awards won in NCC:

University level State level
 National level International level

3.25 No. of Extension activities organized

University forum College forum
 NCC NSS Any other

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

NCC

- International Yoga Day – 21st June 2017
- Anti Drink and Drive day - 2nd October 2017
- Blood donation – 17th September 2017

NSS

Sr. No.	Activity	Date
1.	Cleanliness of College campus under Swacha Bharat Abhiyan Scheme	2 nd Oct. 2017
2.	Botanical Garden and Cleanliness of Campus	6 th August 2017
3.	Tree plantation	17 th July 2017
4.	Students participation in Rural Health Camp of Village Kole	11 th February 2018
5.	NSS Camp organisation in Village Shahapur, Tal. Karad	5 th to 11 th January 2018

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	40 Acre	-	-	
Class rooms	17	-	-	17
Laboratories	24	-	-	24
Seminar Halls	2	-	-	2
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	1	-	1
Value of the equipment purchased during the year (Rs. in Lakhs)	-	1.1	College Fund	1.1
Others	-	-	-	-

4.2 Computerization of administration and library

Yes. Office and central Library are computerized.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	15128	5,04,944/-	-	-	15128	5,04,944/-
Reference Books	23400	28,55,184/-	251	1,42,371/-	23651	29,97,555/-
e-Books	-	-	3035000	5,900/-	3035000	5,900/-
Journals	40	77,145/-	47	88,182/-	-	88,181/-
e-Journals	-	-	6000	9,833/-	6000	9,833/-
Digital Database	-	-	-	-	-	-
CD & Video	151	41,425/-	-	-	151	41,425/-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	82	3	2	3	3	1	2	-
Added	-	-	-	-	-	-	-	-
Total	82	3	2	3	3	1	2	-

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

-

4.6 Amount spent on maintenance in lakhs :

i) ICT

5.11312

ii) Campus Infrastructure and facilities

18.91575

iii) Equipments

-

iv) Others

-

Total :

24.02887

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC directs the persons concerned with such support services to give wider publicity and help the students get those services. In this context the following are the achievements

- 1) Increasing no. of students receiving scholarships from government and nongovernment agencies such as N.G. Bhosale trust and Malhotra Weikfield foundation.
- 2) A larger number of students from backward community open accounts in nationalized bank with the help of teachers.
- 3) Strength of students in the Centre for competitive examination coaching has grown up and number of students qualifying in the GEE has increased.
- 4) Placements of students through our placement cell has increased

5.2 Efforts made by the institution for tracking the progression

- Each year our college publishes a booklet, “LINK” that contains addresses and contact details of students, that is given to companies and employers.
- We contact the students for the different programmes conducted by the college.
- Every year we organize alumni association get-together during which we collect students’ feedback

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1987	141	05	-

(b) No. of students outside the state

-

(c) No. of international students

-

No	%
1012	47.55

Men

No	%
1119	52.58

Women

Last Year 2016-17							This Year 2017-18						
General	SC	ST	OBC	VJ/NT	Physically Challenged	Total	General	SC	ST	OBC	VJ/NT	Physically Challenged	Total
1496	116	14	212	79	-	1917	1532	154	11	327	104	-	2128

Demand ratio 100% Dropout % 1.5%

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

Our college has competitive examinations committee that provides the information and gives support and guidance to the students. It also conducts various guest lectures.

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input type="text" value="3"/>	SET/SLET	<input type="text" value="1"/>	GATE	<input type="text" value="1"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

5.6 Details of student counselling and career guidance

- The college has a Placement cell for the placement services to students.
- Various lectures are organised for personality development and interview technique.
- The college subscribes to a number of standard magazines and news papers to help the students to improve their general knowledge on current affairs and to prepare for competitive examinations.
- Employment news and Rojgar Varta news papers are available in library

No. of students benefitted

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
02	240	04	16

5.8 Details of gender sensitization programmes

Following activities were carried on gender sensitization programmes -

1. Workshop on Self Defence for Women by Amol Palekar.
2. Poster presentation on Save Girl.
3. Elocution of – “*MI SAVITRIBAI PHULE BOLTEY*”
4. Lecture by Mrs. Aruna Dilip Chavan on “*SAVITRIBAI PHULE ANI AAJACHI STRI*”

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	5	6,800/-
Financial support from government	459	29,15,426/-
Financial support from other sources	38	72,000/-
Number of students who received International/ National recognitions	-	-

College stood first in Shivaji University, Kolhapur in obtaining maximum merit scholarships in Science faculty under Semi urban category.

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision of the institution

‘Be one with the downtrodden and the underprivileged’

Mission of the institution

‘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. To create a ‘Centre of excellence’ through 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 level desired for their and the country’s progress’.

6.2 Does the Institution has a management Information System

Yes

The Head of the Institution collects the factual information through various ways and forwards it to the Management and stakeholders to review institutional activities and performance.

The Head of the institution visits the various departments, office, library and hostels and also conducts the periodic meetings of the Head of the Departments, Chair persons of various committees, Faculty, Staff and Student council and collects the information about the college activities and performance.

In addition to above he collects the information through:

- minutes of meetings of different committees
- student attendance records
- examination result analysis
- API reports filled by the faculty
- formal or informal feedback from the Student’s Council, Parents and Alumni
- students feedback

Thus, obtained information is placed before the top management for decision making performance improvement and same is communicated to the parents and alumni through meetings with them.

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

6.3.1 Curriculum Development

- College provides more programme options- wide choice of subjects for students.
- Organization of workshop
- Use of ICT in teaching and learning
- Certificate courses of college and University.
- College teachers represent themselves on BOS for curriculum planning, designing and up-grading.
- Consultation with academicians to enrich the curricula being taught.

6.3.2 Teaching and Learning

Institution adopts student-centric teaching and learning quality improvement strategies. These strategies are based on collection and analyses of the feedback of students regarding the quality of teaching learning process. For effective implementation of strategies institution takes efforts as follows:

1. Planning, operation and monitoring

- Preparation of Academic Calendar
- Preparation of Timetable
- Preparation of Annual Teaching plans
- Submission of MTR (Monthly Teaching Report) by faculty
- Periodic tests
- Organization of Study tours
- Industrial visits
- Allotment of Projects to the students
- Use of ICT tools

2. Identification and focussing on slow learners

- Remedial coaching

3. Identification and focussing on advanced learners

- Felicitation of the students
- Encouragement of the students
- Special guidance to the students

4. Science seminar and Motivation lectures

5. Faculty development through-

- Deputation of faculty for refresher/orientation (**03 refresher**) courses
- Organization of workshops, seminars, conferences etc.

6. Library enrichment by addition of recent Journals and Books

7. Introduction of need based courses

6.3.3 Examination and Evaluation

- Class test
- The above mentioned exam are evaluated by faculty and then special counselling is provided to academically poor students.
- Student seminars are conducted in class room for encouragement (stage daring, explanation capacity and overall personality development)

6.3.4 Research and Development

College has **02 post-graduate programs** (Microbiology and Chemistry) and three University approved research Laboratories (Botany, Microbiology and Zoology) for M. Phil and PhD degree. There are total 03 research guides and 05 research students working for Ph.D. under their supervision. 01 student has submitted thesis for Ph.D. degree. The college has a Research Committee to generate awareness amongst the faculty/researchers and facilitate submission of research proposals to different funding agencies. The Principal Investigators are given full autonomy and timely release of resources by the college. For researchers, the college arranges illustrative lectures of outside experts to explain how to write and publish research papers. To identify the budding researchers college motivates the students to participate in competitions like ‘Avishkar’ organised by the University. Qualified teachers are also motivated to become research guides. Journals and recent reference books are made available in the college library to promote research environment. The researchers are felicitated for their achievements.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Making provisions for latest Journals and Books of recent edition in the library

Sr No	Scientific Journals	Magazine	Total	Reference Books	Additions	Total
1	25	22	47	23651	251	23,770

Sr No	e-book	e-Journals	CD/DVD
1	1(N-List) 3135000 +e-books	1(N-List) 6000 +e-Journals	92

Library: For enrichment of Library, funds are made available to purchase research journals, magazines, reference book, e-journals and database. The library is equipped with computers, printers and internet connections to provide update knowledge to the students as well as faculty. Each department has its own library with reference books and research journals.

ICT: Laptops has been provided to each Department. LCD projectors are used by faculty for effective teaching and learning. Thereby the staff and students can update information on various recent issues.

Physical infrastructure / instrumentation

To each department, budget has been made available for the purchase of new equipment's as per the need of University practical syllabus as well as research.

Academic Audit facilitates in refining the academic, administrative and other processes related to academic improvement, laboratory facilities, addition in infrastructure, addition of books and journals in the library and improvement in office services to stakeholders.

6.3.6 Human Resource Management

Human Resources with expected qualities and high potential are a base of quality enhancement of the institution. College overcomes the crisis of human resources by efficient management of available human resource. In the beginning of every academic year, the total workload of the faculty members is calculated and as per the University / Government norms, faculty members are appointed on clock hour basis. Besides it, Superannuation Age Limit of some teachers is increased. Management appoints the faculty and staff through advertisements in leading newspapers which allows free choice for highly qualified and experienced candidates. Care is taken that the employees are allotted workload according to University and Government norms. College practices decentralized administration and division of labour through different committees to reduce the burden on employees. As per the University and Government norms Leadership allows the employees to enjoy various leaves, promotions and placements as and when they are due.

6.3.7 Faculty and Staff recruitment

As per the University / Government norms, faculty members are appointed on clock hour basis

6.3.8 Industry Interaction / Collaboration

The College arranges industrial visits for the students to bridge the gap between laboratory knowledge and commercial applications of it in industry. Industry visit becomes a significant mode in quality improvement. Students benefit from observing the industrial working, required skill with human resource, importance of quality etc. Such visits motivate the students to make their career in industry. Thus, the Institute becomes a place of human resource to industries.

MoU with Industries: MoU with Aradhya Silk, Wathar

6.3.9 Admission of Students

Admissions of Students are as per the Government/University norms.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Loan Facilities– PF, Staff Society • Group Life Insurance • Reimbursement of Medical Bills • Staff Quarters facility
Non-teaching	<ul style="list-style-type: none"> • Loan Facilities – Staff cooperative society, PF • Uniforms for supportive staff. • Admission and fee Concession • Group life insurance • Staff quarters
Students	<ul style="list-style-type: none"> • Group Insurance • Poor students welfare fund • Guest lectures for career guidance • Placement cell

6.5 Total corpus fund generated

Reserve Fund Rs. 26,67,372/-

6.6 Whether annual financial audit has been done

Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	No	Yes	Principal
Administrative	No	No	Yes	Principal

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

For UG Programmes Yes No

For PG Programmes Yes No

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

Not Applicable

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

Yes.

The Affiliating University has a provision for according the status of autonomy to an affiliated institution.

6.11 Activities and support from the Alumni Association

- Source as Guests at functions
- Career guidance and placement of students.
- Scholarship to brilliant students for inspiration and encouragement.
- Valuable suggestions for up gradation of institution.

6.12 Activities and support from the Parent – Teacher Association

- Formal or informal interactions between -parents and Principal as well as between parents and Teachers are the feedback for improvement.
- Parent-Teacher Meet.
- Discussion helps to overcome difficulties of students at personal level.

6.13 Development programmes for support staff

Support by management-

- Allow to attend the training programmes and workshops organized by the University and other institutes.

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

- Plantation on college campus
- Maintenance of botanical garden
- Vermicomposting unit for garbage
- Microbiology- Disposal of Pathogenic Organisms

Criterion – VII

7. Innovations and Best Practices

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

1. Microbiology Department has started Students are given resource material on the Google drive
2. Online Teachers feedback from students (Microbiology Department)
3. Energy Saving Campaign (Electronics Department)

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

All plans of this year are executed as per IQAC guideline issued at the beginning of the academic year.

7.3 Give two Best practices of institution (*Please see the format in the NAAC self study Manuals*).

Best Practices:

College conducts a good number of Best practices However we are mentioning following two.

BEST PRACTICE-I

The Title:

KITCHEN WASTE MANAGEMENT USING MICROBIOLOGICAL TREATMENT AT COLLEGE MESS

The Goal: Treating kitchen waste using proteolytic, amylolytic and lipolytic varieties of bacterial species capable of degrading proteins, starch and oily material present in the waste.

The context:

Kitchen waste disposal although is not a major problem at house hold scale, it is a major problem in hotels and canteens as well. The blockages of drainage pipes is a major problem for many other associated problems such as bad odor.

The main constituents present in our daily meals are starch, proteins and fats. Some components come as waste in the remaining food which is thrown out as a waste. The physical state of these components then can cause blockage in drainage pipes. This totally disturbs the natural process of waste purification. Varieties of amylolytic, proteolytic and lipolytic bacteria occur in nature. If we could isolate and cultivate these bacteria in laboratory, then they can be of use to treat the waste components in the kitchen waste. This not only degrades the waste but also converts it in to more fluid form. This removes drainage blocks in the pipelines. The college mess had this problem since long time. The problem was more severe in rainy season due to drainage blockages.

The Practice:

M.Sc. students from the Department of Microbiology under the guidance of Dr. N.R. Shaikh undertook a project for treating the kitchen waste. They isolated three different varieties of bacteria. First was amylolytic, second was proteolytic and the third was lipolytic. They also prepared a suitable combination of these for the optimum treatment. The portion of the drainage system where the waste was blocked, was given a proper treatment procedure.

Evidence of success:

This not only treated waste within an overnight but also solved the problems of drainage system. The region of kitchen waste blockage was found clean and since then no problems of drainage blockages were seen occurring.

The research was also presented in National conference by the students.

Problems encountered and resources required:

For perfect working on this solution, it is necessary to work on an engineering aspect to design and construct a waste treatment pond.

BEST PRACTICE-II**The Title:****ISO CERTIFICATION****The Goal:**

To prepare quality, procedure manuals and standard operating procedure.

The Context:

For smooth functioning of various system and activities in college some standards are required. Accordingly the manuals and operating procedures are prepared. They are being followed in the office and all departments.

The Practice:

All documents are prepared and maintained as per the standers laid down. The calibration of necessary instruments is carried. Every year the system is audited for continuation and after every three years for recertification.

Evidence of Success:

We are successfully maintaining the standards as per up gradation of ISO standards. Presently, we have ISO certificate of 9001:2015 standards.

Problem encountered and Resources required:

Everywhere in house calibration is not possible. The standards for industry can't mate by educational institute.

7.4 Contribution to environmental awareness/ protection.

1. Energy Conservation: Building alignment North-South, replacement of old monitor with LCD, use of LED/CFL lamp in college office and principal cabin
2. Use of renewable energy: Solar water heater at the boys and girls hostel
3. Water harvesting and check dam construction: Collection of 2000L rain water in chemistry department
4. Carbon neutrality: college is enriched with large number of trees, plantation by NCC, NSS and College staff
5. Hazardous waste management in chemistry and microbiology department
6. Hand over E-waste through AMC (Annual Maintenance Contract)
7. Celebration of wild life week and *Vanmahostav*
8. Arrangement of Expert talk on environmental awareness
9. NCC cadets organized Anti drink and Drive Day on Mahatma Ghadhi Jayanti
10. NCC cadets took pledge of non involvement in illicit trafficking of drugs

7.5 Whether environmental audit was conducted? **YES**

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

Strengths

- 1) Consistently high level of results and ranking of students in University Merit List
- 2) Good placement record in and off campus
- 3) Eminent alumni in high positions in India and Abroad
- 4) Well stocked computerized library with reference books, journals and e-resources

Weaknesses

- 1) Constraints on recruitment of teaching and non teaching staff
- 2) Lack of inter-disciplinary courses

Opportunities

- 1) To develop the college as an advanced centre with PhD research facilities
- 2) To organize International seminars and conferences
- 3) To increase placement avenues through eminent alumni
- 4) To establish effective links with industries/companies for campus placements

Challenges

- 1) To maintain moral of students for career in basic science.
- 2) Establishing linkages with industries, institutes and entrepreneurs

8. Plans of institution for next year

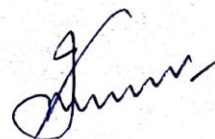
- 1) To organise national and state level conferences.
- 2) To apply for RUSA grant.
- 3) To apply for DST – FIST grant.
- 4) To apply for PG course in Botany.
- 5) To apply for extra division for M.Sc. Chemistry.
- 6) To apply for recognition of laboratory for research in Botany.
- 7) To apply for MCA course to Yashwantrao Chavan Maharashtra Open University (YCMOU).
- 8) To construct wall compound.
- 9) Installation of CCTV cameras.



Dr. B. P. Relekar

Co-ordinator
Signature of the Co-ordinator, IQAC
Internal Quality Assurance Cell
(IQAC)

Yashwantrao Chavan College of Science
Karad.



Dr. S. B. Kengar

Principal
Signature of the Chairperson, IQAC
Yashwantrao Chavan College
of Science, Karad

Academic Calendar 2017-18

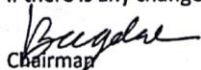
Yashwantrao Chavan College of Science , Karad					
Academic Calendar 2017-18					
First term 12/06/2017 to 14/10/2017					
Months (No. of Teaching/Working Days)	Dates	Sundays (dates)	Other Holidays	No .of Teaching /Working Days	Admissions and Exams
June (16)	12 to 17	18		6	Admission
	19 to 24	25		6	
	26 to 30	..	26- ramajan Id	4	
July (26)	1	2		1	
	3 to 8	9		6	
	10 to 15	16		6	
	17 to 22	23		6	
	24 to 29	30		6	
	31	..		1	
August (25)	1 to 5	6		6	
	7 to 12	13		6	
	14 to 19	20	15-Independence day 17- Parasi new year	4	
	21 to 26	27	25-Ganesh chaturthi	5	Periodic Test –I (B.Sc. I/II/III)
	28 to 31			4	
September (24)	1 to 2	3	2-Bakari Id	1	
	4 to 9	10		6	
	11 to 16	17		6	
	18 to 23	24		6	
	25 to 30		30- Dasara	5	B.Sc.III Tutorials
October (11)		1	1- Moharam	..	
	2 to 7	8	2-Mahatma Gandhi Jayanti	5	
	9 to 14	15		6	
Total number of Teaching/Working days in First Term : 102					
Diwali Vacation 15/10/17 to 05/11/17					

Yashwantrao Chavan College of Science, Karad
Academic Calendar 2017-18
 Second term 06/11/2017 to 30/04/2018

Months (No. of Teaching/Working Days)	Dates	Sundays (dates)	Other Holidays	No .of Teaching /Working Days	Admissions and Exams
November (22)	6 to 11	12		6	
	13 to 18	19		6	
	20 to 25	26		6	
	27 to 30	..		4	
December (24)	1 to 2	3	1-Id A-Milad	1	
	4 to 9	10		6	
	11 to 16	17		6	
	18 to 23	24		6	
	25 to 30	31	25-christmas	5	
January (26)	1 to 6	7		6	
	8 to 13	14		6	Periodic Test -II (B.Sc. I/II/III)
	15 to 20	21		6	
	22 to 27	28	26-republic day	5	B.Sc.III Tutorials
	29 to 31	..		3	
February (22)	1 to 3	4		3	
	5 to 10	11		6	
	12 to 17	18		6	
	19 to 24	25	19- shiv Jayanti 24- Mahashivratri	4	B.Sc. I/II/III Prelim. Pract. Exam
	26 to 28	..		3	
March (25)	1 to 3	4		3	
	5 to 10	11		6	
	12 to 17	18	13-Holi	5	
	19 to 24	25		6	
	26 to 31	..	28-Gudhi Padhva	5	
April (24)	..	1		..	
	2 to 7	8	4- Ramnavami	5	
	9 to 14	15		6	
	16 to 21	22		6	
	23 to 28	29		6	
	30	..		1	

Total number of Teaching/Working days in Second Term -143

- 1) Total number of Teaching/Working days : 248
- 2) Change ,if any ,shall be notify to the faculty
- 3) Missed theory and practical periods should be compensated with colleagues or by engaging extra periods
- 4) If there is any change in examination schedule ,it will be notified .


 Chairperson

Academic Calendar Committee



Principal

Yashwantrao Chavan College of Science , Karad

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FEEDBACK ANALYSIS**A. Students satisfaction index (S.S.I.) of department**

Sr. No.	Name of Department	Students satisfaction index (S.S.I.)
1.	Physics	0.847
2.	Chemistry	0.908
3.	Mathematics	0.768
4.	Statistics	0.90
5.	Electronics	0.994
6.	Geology	0.96
7.	Botany	0.95
8.	Zoology	0.988
9.	Microbiology	0.876
10.	Computer Science	0.885
11.	Biotechnology	0.655

B. Students satisfaction index (S.S.I.) of College: 0.763