



Yearly Status Report - 2018-2019

Part A

Data of the Institution

| | |
|---|---|
| 1. Name of the Institution | YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD |
| Name of the head of the Institution | Kengar Suryakant Babu |
| Designation | Principal |
| Does the Institution function from own campus | Yes |
| Phone no/Alternate Phone no. | 02164271357 |
| Mobile no. | 9850571346 |
| Registered Email | prinyccsk@gmail.com |
| Alternate Email | suryakant7889@gmail.com |
| Address | Vidyanagar, Karad |
| City/Town | Karad |
| State/UT | Maharashtra |
| Pincode | 415124 |

| 2. Institutional Status | | | | | |
|--|-------|---|----------------------|-------------|-------------|
| Affiliated / Constituent | | Affiliated | | | |
| Type of Institution | | Co-education | | | |
| Location | | Urban | | | |
| Financial Status | | state | | | |
| Name of the IQAC co-ordinator/Director | | Relekar Brahmanand Prabhakar | | | |
| Phone no/Alternate Phone no. | | +919175776264 | | | |
| Mobile no. | | 9423816763 | | | |
| Registered Email | | bprelekar@gmail.com | | | |
| Alternate Email | | iqacyccsk@gmail.com | | | |
| 3. Website Address | | | | | |
| Web-link of the AQAR: (Previous Academic Year) | | http://www.yccskarad.com/AOAR%202017-18.pdf | | | |
| 4. Whether Academic Calendar prepared during the year | | Yes | | | |
| if yes,whether it is uploaded in the institutional website: Weblink : | | http://yccskarad.com/AcademicCalender2018-2019.pdf | | | |
| 5. Accrediation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
| | | | | Period From | Period To |
| 1 | B++ | 82 | 2004 | 16-Feb-2004 | 15-Feb-2009 |
| 2 | B | 2.42 | 2011 | 30-Nov-2011 | 29-Nov-2016 |
| 3 | B++ | 2.86 | 2017 | 30-Oct-2017 | 29-Oct-2022 |
| 6. Date of Establishment of IQAC | | | 25-Jun-2004 | | |
| 7. Internal Quality Assurance System | | | | | |

Quality initiatives by IQAC during the year for promoting quality culture

| Item /Title of the quality initiative by IQAC | Date & Duration | Number of participants/ beneficiaries |
|---|------------------|---------------------------------------|
| Tree plantation-sponsored by Govt. of Maharashtra | 01-Jul-2018 1 | 47 |
| Science seminar - Botany dept. | 13-Aug-2018 1 | 72 |
| Science seminar | 13-Aug-2018 1 | 142 |
| Workshop on new changed syllabus of B.Sc.I Microbiology | 14-Aug-2018 1 | 65 |
| Workshop on new changed syllabus of B.Sc.I Physics | 20-Aug-2018 1 | 69 |
| Science seminar- Use of statistics in administration | 24-Aug-2018 1 | 60 |
| Lead college activity-common activity | 29-Aug-2018 1 | 112 |
| Science seminar- World of scientists- Dr. V. N. Shinde | 08-Sep-2019 1 | 81 |
| Online registration of Green Army | 12-Sep-2018 1 | 467 |
| Blood donation camp | 17-Sep-2018 1 | 100 |
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

| Institution/Department/ Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---------------------------------|----------------------------|----------------|-----------------------------|---------|
| Botany | Extra Mural Research (EMR) | SERB DST | 2017 1095 | 2056855 |
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

3

| The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website | Yes | | | | | | | | | | |
|---|--|------------------------|----------------------|---|--|---|--|--|--|---------------------------|--|
| Upload the minutes of meeting and action taken report | View File | | | | | | | | | | |
| 11. Whether IQAC received funding from any of the funding agency to support its activities during the year? | Yes | | | | | | | | | | |
| If yes, mention the amount | 93480 | | | | | | | | | | |
| Year | 2018 | | | | | | | | | | |
| 12. Significant contributions made by IQAC during the current year(maximum five bullets) | | | | | | | | | | | |
| Workshop on Revised (CBCS) syllabus for B.Sc.I | | | | | | | | | | | |
| MoU | | | | | | | | | | | |
| State level Workshop on Yoga for Swimming | | | | | | | | | | | |
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| 13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>Recruitment of faculties on regular/ad hoc basis.</td> <td>As per government instructions teaching posts on ad hoc (CHB) were appointed</td> </tr> <tr> <td>Discuss the matter of Recognition of Research Laboratory of Botany, additional division for M.Sc. Chemistry and new course M.Sc. Botany</td> <td>Proposals were submitted to Shivaji University, Kolhapur Recognition of Research Laboratory of Botany, additional division for M.Sc. Chemistry and new course M.Sc. Botany</td> </tr> <tr> <td>To prepare an academic calendar for the next year.</td> <td>Considering the various activities, exam schedule the academic calender was prepared</td> </tr> <tr> <td colspan="2" style="text-align: center;">View File</td> </tr> </tbody> </table> | | Plan of Action | Achivements/Outcomes | Recruitment of faculties on regular/ad hoc basis. | As per government instructions teaching posts on ad hoc (CHB) were appointed | Discuss the matter of Recognition of Research Laboratory of Botany, additional division for M.Sc. Chemistry and new course M.Sc. Botany | Proposals were submitted to Shivaji University, Kolhapur Recognition of Research Laboratory of Botany, additional division for M.Sc. Chemistry and new course M.Sc. Botany | To prepare an academic calendar for the next year. | Considering the various activities, exam schedule the academic calender was prepared | View File | |
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| 14. Whether AQAR was placed before statutory body ? | Yes | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name of Statutory Body</th> <th>Meeting Date</th> </tr> </thead> <tbody> <tr> <td>Governing Body</td> <td>21-Dec-2019</td> </tr> </tbody> </table> | | Name of Statutory Body | Meeting Date | Governing Body | 21-Dec-2019 | | | | | | |
| Name of Statutory Body | Meeting Date | | | | | | | | | | |
| Governing Body | 21-Dec-2019 | | | | | | | | | | |

| | |
|---|--|
| 15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ? | No |
| 16. Whether institutional data submitted to AISHE: | Yes |
| Year of Submission | 2018 |
| Date of Submission | 30-Jun-2018 |
| 17. Does the Institution have Management Information System ? | Yes |
| If yes, give a brief description and a list of modules currently operational (maximum 500 words) | 1. Installation of Barcode Management System in college library for better management. 2. Communication of important information like University exam seat numbers, college activities etc. through website and conventional notices. 3. Installation of 44 CCTV cameras in college campus for security. |

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

Response: Curriculum aspects at Yashwantrao Chavan College of Science, Karad are governed by Shivaji University, Kolhapur Ordinance and guidelines. For the effective implementation the curriculum along with goals of college are kept in mind. We have well planned processes for dialogue among the stakeholders and university within the larger societal context. Committees for Implementation : According to the requirements of different departments the college has prepared various committees. These different committees provide guidelines for the smooth conduct of time table. The workload committee provides direction periodically to monitor the efficiency of the course during the session. Teaching, learning and evaluation: As per the rules and regulation of state government the college has admission committee for the effective and transparent process of admission. The admission committee gives guidelines and justice to all the students. College examination committee evaluates progress of students transparently to make teaching and learning process more effective. The departmental committees arrange meetings at the end of each semester on discussion and planning in advance for the execution of courses in the next semester. Class assignments, teaching focus, internal assessments, use of teaching aids and reference materials for teachers are discussed. For theory evaluations the college organizes unit test to ensure quality of education, and objectivity in the teaching-learning processes. College Infrastructure: The college has being continuously upgraded to their infrastructure and facilities to suit the needs of changing curriculum. The college has computerized digital library facility along with well ventilated reading room. A well-equipped laboratory provides all facilities according to their needs of syllabus.

Monitoring and Mentoring Processes: Internal assessment and continuous evaluation is carried out for each subject to ensure learning outcomes. For the theory evaluation unit tests are the essential part of the CBCS course. The feedback of students on the issue of infrastructure, administrative matters and teaching gives valuable guidance for the continuous upgradation of the institute.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entrepreneurship | Skill Development |
|---|-----------------|-----------------------|----------|--|--|
| Applied Dairy Chemistry | NIL | 03/12/2018 | 90 | Dairy, Dairy Product Preparation, Quality analysis, Food Industry | Knowledge about milk and milk products |
| Soil Testing for Agriculture | NIL | 03/12/2018 | 90 | Soil Testing laboratory, Self soil testing unit, Counseling of farmers | Getting information about soil health |
| Identification and conservation of Medicinal Plants | NIL | 01/01/2019 | 90 | Ayurveda, Home health remedies, | Correct Identification of Medicinal Plants |
| Solid Waste Management (Vermicomposting) | NIL | 03/12/2018 | 90 | Production of Vermicompost and Vermiwash | Develops skill for Organic farming |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---|--------------------------|-----------------------|
| No Data Entered/Not Applicable !!! | | |
| No file uploaded. | | |

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|----------------------------------|--------------------------|---|
| BSc | I | 15/06/2018 |
| BSc | II | 11/06/2019 |
| MSc | I | 15/06/2018 |
| MSc | II | 11/06/2019 |

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

| | | |
|--------------------|-------------|----------------|
| | Certificate | Diploma Course |
| Number of Students | 45 | 0 |

1.3 – Curriculum Enrichment

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

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
|---|----------------------|-----------------------------|
| No Data Entered/Not Applicable !!! | | |
| No file uploaded. | | |

1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|---|--------------------------|---|
| No Data Entered/Not Applicable !!! | | |
| No file uploaded. | | |

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|-----------|-----|
| Students | Yes |
| Teachers | No |
| Employers | No |
| Alumni | Yes |
| Parents | Yes |

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

| Feedback Obtained |
|---|
| <p>Feedback is a necessary part of the learning process and student learning progression is linked to effectiveness of institute. Feedback is one of the most important methods to assess students in their progression. As a reflective process it encourages students to identify their strengths and weakness in the process of development. Today, feedback is typically given through social media, course evaluations, discussion forums and rating. For teachers, feedback provides important clues to improve their teaching quality and helps to expose teaching deficiencies. A decent feedback system can support institution in understanding information and collecting for faculty development. Based on accumulated data, academic leaders can use timetrend analysis to check the progress.</p> |

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|--------------------------|---------------------------|--------------------------------|-------------------|
| BSc | II | 720 | 614 | 614 |
| BSc | III | 720 | 528 | 528 |
| MSc | I | 72 | 72 | 72 |
| MSc | II | 70 | 70 | 70 |
| BSc | I | 840 | 747 | 747 |

2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2018 | 2060 | 142 | 56 | 8 | 8 |

2.3 – Teaching - Learning Process

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

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 57 | 50 | 123 | 10 | 0 | 16 |

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

Yes, through Guidance Batch Scheme. The college has since last several years practicing a system of mentoring called the Guidance Batch Scheme, whereby a Guidance Batch Teacher was provided a group of 20 to 40 students. The mentors keep record of mentee's attendance, academic progress, family background, and socio economic status, information about their participation in co curricular and extracurricular activities. They also provide psychological counseling to those who need them. Guidance batch teacher helps mentee to overcome their language, emotional and behavioural difficulties. At the beginning of the academic session, the mentors conduct orientation programmes for the mentees, whereby they are acquainted with the institution, its goals and mission, the facilities available and the regulations of the affiliating university and instructions about maintaining discipline in the institute. Parents meetings are organized and academic progress and overall progress of mentee is informed to the parents. The weaker mentees are given additional guidance and proper counselling is done. Institute organizes the induction program for fresh students during the first two weeks of their first semester in the institute. Principal of the institute addresses fresh students giving them the basic information about the Institute, various courses conducted in the institute, relevance of these courses in various career opportunities after completion of graduation and post graduation. Head of the departments also inform the fresh students about their individual department, their courses, laboratories, major projects, research facilities and the opportunities for the students of the department. Interaction between senior students and freshers is encouraged. Outcome of our mentoring system is the freshers get acquainted easily to the institutional environment and show good progress in academic, cocurricular and extra co curricular activities.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|--|-----------------------------|-----------------------|
| 2202 | 56 | 1 : 39 |

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 72 | 17 | 55 | 39 | 12 |

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

| Year of Award | Name of full time teachers receiving awards from | Designation | Name of the award, fellowship, received from |
|---------------|--|-------------|--|
|---------------|--|-------------|--|

| | | | |
|---------------------------|--|---------------------|--|
| | state level, national level, international level | | Government or recognized bodies |
| 2018 | Prin. Dr. S. B. Kengar | Principal | Best Teacher Award by Lions Club of Karad. |
| 2018 | Dr. B. P. Relekar | Associate Professor | DGNCC commendation by Mahanideshak Rashtriya Cadet Cor |
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2.5 – Evaluation Process and Reforms

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

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|-------------------|----------------|----------------|--|---|
| BSc | 2324 | Sem. VI/2019 | 11/06/2019 | 27/07/2019 |
| BSc | 2325 | Sem. VI/2019 | 11/06/2019 | 25/07/2019 |
| MSc | 205 | Sem. IV/2019 | 12/05/2019 | 17/06/2019 |
| No file uploaded. | | | | |

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

Along with traditional evaluating system some new methods of evaluation are adopted by the institute for UG , PG students. Some departments are organizing group discussion, seminar presentation, surprise tests, topic wise tests etc. Under newly introduced CBCS system class tests are organized.

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

A committee prepares academic calendar at the beginning of the year, it is distributed among all teaching nonteaching staff of the college. The academic calendar contains yearly schedule of the college level holidays, national level holidays, state level holidays, local holidays, institutional holidays, schedule of college examinations, Periodic tests, tutorials, preliminary practical examination.

2.6 – Student Performance and Learning Outcomes

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

<https://www.yccskarad.com/Program-Outcomes-Program-Specific-Outcomes-and-Course-Outcomes.pdf>

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|--------------------------|---|---|-----------------|
| 2324 | BSc | III | 584 | 440 | 90.09 |
| 205 | MSc | II | 67 | 63 | 94.02 |
| 2325 | BSc | III | 41 | 39 | 95.12 |

[View File](#)

2.7 – Student Satisfaction Survey

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

<https://www.yccskarad.com/SSS.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|-----------------------|----------|----------------------------|------------------------|---------------------------------|
| Major Projects | 1095 | SERB DST | 2056855 | 300000 |

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3.2 – Innovation Ecosystem

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

| Title of workshop/seminar | Name of the Dept. | Date |
|------------------------------------|-------------------|------|
| No Data Entered/Not Applicable !!! | | |

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

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|------------------------------------|-----------------|-----------------|---------------|----------|
| No Data Entered/Not Applicable !!! | | | | |
| No file uploaded. | | | | |

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|------------------------------------|------|--------------|----------------------|--------------------|----------------------|
| No Data Entered/Not Applicable !!! | | | | | |
| No file uploaded. | | | | | |

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|------------------------------------|----------|---------------|
| No Data Entered/Not Applicable !!! | | |

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

| Name of the Department | Number of PhD's Awarded |
|------------------------------------|-------------------------|
| No Data Entered/Not Applicable !!! | |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---------------|--------------|-----------------------|--------------------------------|
| National | Microbiology | 1 | 0 |
| National | Chemistry | 1 | 0 |
| International | Microbiology | 3 | 0 |

| | | | |
|---------------------------|-----------|---|-----|
| International | Chemistry | 6 | 2.5 |
| International | Botany | 1 | 0 |
| International | Physics | 1 | 1.6 |
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

| Department | Number of Publication |
|---|-----------------------|
| No Data Entered/Not Applicable !!! | |
| No file uploaded. | |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|--|--|--|---------------------|----------------|---|---|
| Biocontrol of biofilm produced by Pseudomonas aeruginosa using extremely halophilic Marine bacteria isolated from Malvan region. | Mamata P. Abhyankar, Tanaji B. Sawant, Arif A. Mulani, Geetanjali S. Patil, Suryakant S. Wadkar, Avinash A. Raut | EC Microbiology | 2019 | 0 | Department of Microbiology, Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
| Facile synthesis of B-cyclodextrin-grafted solid silica nanoparticles | Sushilkumar A. Jadhav, Sudip D. Karande, Shivaji H. Burungale | International Journal of Research and Analytical Reviews | 2019 | 0 | Department of Chemistry Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
| Synthesis, characterization and effect of Manganese substitution on properties of Mg ferrites. | Mali A.V. G. B. Dhake, R. S. Patil | International Journal of research and Analytical Reviews | 2019 | 0 | Department of Chemistry Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
| Facile Synthesis of | Shivanand Gajare, | Applied Organometallic | 2019 | 0 | Department of | 0 |

| | | | | | | |
|--|---|---|------|---|---|---|
| coupling using ferrocene tethered N-heterocyclic carbene-copper complex anchored on graphene | Megha Jagadale, Altafhusen Naikwade, Prakash Bansode, Gajanan Rashinkar | ic Chemistry | | | Chemistry, Shivaji University, Kolhapur 416004, MS, India | |
| Cellulose supported Ionic Liquid Phase Catalyzed Mannich Reaction | Sharanabappa Khanapure, Megha Jagadale, Dolly Kale, Shivanand Gajare, and Gajanan Rashinkar | Australian Journal of Chemistry | 2019 | 0 | Department of Chemistry, Shivaji University, Kolhapur 416004, MS, India | 0 |
| Intramolecular arylation using nano-magnetite supported N-heterocyclic carbene-copper complex with wingtip ferrocene | Altafhusen Naikwade, Megha Jagadale, Dolly Kale, Shivanand Gajare, Prakash Bansode, Gajanan Rashinkar | Applied Organometallic Chemistry | 2019 | 0 | Department of Chemistry, Shivaji University, Kolhapur 416004, MS, India | 0 |
| Development of Porous Manganese Oxide/Polyaniline Composite Using Electrochemical Route for Electrochemical Supercapacitor | Relekar B.P., Fulari A.V., Lohar G.M. and Fulari V.J. | Journal of Electronic Materials | 2019 | 0 | Yashwantrao Chavan College of Science, KARAD, MH 415124, India | 0 |
| Biotreatment of paper mill effluent using alkaliphilic | Raut AA, Phugare SS, Kalyani DC, Bajekal SS | Lakes Reservoirs: Research and Management | 2018 | 0 | Department of Microbiology, Yashwantrao Chavan College of | 0 |

| | | | | | | |
|---|--|--|------|---|---|---|
| Rhizobium sp. NCIM 5590 isolated from meteoric alkaline Lonar Lake, Buldhana District, Maharashtra, India. | | | | | Science, KARAD, Maharashtra (India) | |
| Nutritional Characteristics of the Pulp of the Fruit Annona cherimola Mill. and its Related Ethnomedicinal Properties | Anup A Tamgave, Shreyas T Tamgave, Avinash A. Raut, Suryakant S Wadkar and Jai S Ghosh | EC Nutrition | 2018 | 0 | Department of Microbiology, Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
| Lophatherum Brongn. (Family: Poaceae): A New Generic Record for Andaman and Nicobar Islands, India. | K.V.C. Gosavi, G.G. Potdar and S.R. Yadav. | Journal of Bombay Natural History Society | 2018 | 0 | Department of Botany, Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
| Synthesis of Xanthenediones by Silica Supported Orthophosphoric Acid | Patil Rahul S., Suresh S. Shendage, Uday P. Lad, Uttam B. More | Asian Journal of Chemistry | 2018 | 0 | Department of Chemistry Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
| Mutagenic effect of Maleic hydrazide on seed germination and | Kirtane Sushma A. and Jadhav Pravin. | International Journal of Research and Analytical Reviews | 2018 | 0 | Department of Botany Yashwantrao Chavan College of Science, KARAD, Mah | 0 |

| seedling growth of Nigella sativa L. | | (IJRAR) | | | arashtra (India) | |
|--|---|---------------------------------|------|---|--|---|
| Magnetic Nanoparticle Decorated Heterocyclic Carbene-Nickel Complex with Pendant Ferrocenyl Group for C-H Arylation of Benzoxazole | Altafhusen Naikwade, Megha Jagadale, Dolly Kale, Shivanand Gajare, Prakash Bansode, Gajanan Rashinkar | Catalysis Letters | 2018 | 0 | Department of Chemistry, Shivaji University, Kolhapur 416004, MS, India | 0 |
| Geochemistry of upland laterites of Tarale-Thoseghar Plateau of Bamnoli range of Satara district of Maharashtra | Desai R. V., Khanapurkar J.V. and Suryawanshi R. V. | Journal of Applied Geochemistry | 2018 | 0 | Department of Geology, Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
| Petrographical and mineralogical studies on lateritic bauxite profiles of Shahuwadi taluka of Kolhapur district, Maharashtra | Khanapurkar J.V., Suryawanshi R.V., Desai R.V., Patil S. H., Mali V. R. and Pisal P. B. | Journal of Applied Geochemistry | 2018 | 0 | Department of Geology Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
| Interior ideals in G-semirings | R.D. Jagatap | Malaya Journal of Matematik | 2018 | 0 | Department of Mathematics, Y.C. College of Science, Karad 415124, Maharashtra, India | 0 |

| | | | | | | |
|--|-------------------------------|--|------|---|---|---|
| Effect of Carbon Sources on Production of Exopoly saccharide of Haloalkaliphilic Archaeon <i>NatrialbaWudunaensis</i> ssbjup5 Isolated From Lonar Lake | Shinde P. S. and Patil. J. U. | International Journal of Research and Analytical Reviews | 2019 | 0 | Department of Microbiology, Yashwantrao Chavan College of Science, KARAD, Maharashtra (India) | 0 |
|--|-------------------------------|--|------|---|---|---|

[View File](#)

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|--------------------|----------------|------------------|---------------------|---------|---|---|
|--------------------|----------------|------------------|---------------------|---------|---|---|

No Data Entered/Not Applicable !!!

No file uploaded.

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

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 0 | 2 | 0 | 4 |
| Presented papers | 3 | 3 | 0 | 0 |
| Resource persons | 1 | 0 | 0 | 1 |

[View File](#)

3.4 – Extension Activities

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

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|-------------------------|--|--|--|
| Vijay Divas Samaroh | Vijay Divas Samaroh Committee, Karad | 2 | 54 |

No file uploaded.

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

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|----------------------|-------------------|-----------------|------------------------------|
|----------------------|-------------------|-----------------|------------------------------|

No Data Entered/Not Applicable !!!

No file uploaded.

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

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|------------------------------|--|--|
| Blood Donation | NCC Unit, Yashwantrao Chavan College of Science, Karad | NCC Social Welfare) | 2 | 50 |
| Yoga Day Celebration | NCC Unit, Yashwantrao Chavan College of Science, Karad | NCC (Health awareness) | 3 | 54 |
| Blood Donation | NSS Unit, Yashwantrao Chavan College of Science, Karad | NSS Social Welfare) | 2 | 50 |
| College Campus Cleaning | NCC Unit, Yashwantrao Chavan College of Science, Karad | Swachh Bharat | 1 | 50 |
| Flag Hoisting 15 August 2018 | NCC Unit, Yashwantrao Chavan College of Science, Karad | National Integration | 17 | 715 |
| Flag Hoisting 26 January 2019 | NCC Unit, Yashwantrao Chavan College of Science, Karad | National Integration | 17 | 765 |
| Krishna River Cleaning | Karad Municipal Corporation and NCC Unit, Yashwantrao Chavan College of Science, Karad | Social Welfare and awareness | 3 | 54 |
| Swastha Bharat Yatra | Karad Municipal Corporation and NCC Unit, Yashwantrao Chavan College of Science, Karad | Social Welfare and awareness | 3 | 54 |
| NSS Camp at Shahapur Tal. Karad, Dist. Satara | NSS Unit, Yashwantrao Chavan College of Science, | Social Service | 6 | 50 |

| | | | | |
|--|---|-----------------------------|----|----|
| | Karad | | | |
| Swachha Karad Survey | Karad Municipal Corporation and NSS Unit, Yashwantrao Chavan College of Science, Karad | Social health and awareness | 2 | 50 |
| Shivaji University NSS Camp | Shivaji University, Kolhapur and NSS Unit, Yashwantrao Chavan College of Science, Karad | Social service | 0 | 10 |
| State Level NSS Camp, Atapadi | NSS Unit, Yashwantrao Chavan College of Science, Karad | Social Service | 0 | 4 |
| Tree Plantation Programme of Maharashtra Govt. | NSS Unit, Yashwantrao Chavan College of Science, Karad | Environment awareness | 18 | 50 |
| No file uploaded. | | | | |

3.5 – Collaborations

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

| Nature of activity | Participant | Source of financial support | Duration |
|------------------------------------|-------------|-----------------------------|----------|
| No Data Entered/Not Applicable !!! | | | |
| No file uploaded. | | | |

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

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|------------------------------------|----------------------|---|---------------|-------------|-------------|
| No Data Entered/Not Applicable !!! | | | | | |
| No file uploaded. | | | | | |

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|-------------------------------------|--------------------|-------------------------|---|
| Radial MicroBiotech Services, Karad | 01/01/2019 | Purpose: To demonstrate | 45 |

| | | | |
|---|------------|--|-----|
| | | Bacterial Endotoxin test 1. Hands on Training of Bacterial Endotoxin Test by Mr. Santosh Lokahnde, Radial MicroBiotech Services, Karad on 29.3.2019 | |
| Radial MicroBiotech Services, Karad | 01/01/2019 | Purpose: Placement 1. Campus Interview for M.Sc. II Microbiology students on 28.3.2019 at Bharati Green Tech, Dahiwadi. | 12 |
| Radial MicroBiotech Services, Karad | 01/01/2019 | Purpose: Skill Development 1. Guest lecture on Introduction to Pharma Industries and Good Laboratory Practices by Mr. Santosh Lokahnde, Radial MicroBiotech Services, Karad on 29.3.2019 | 53 |
| Nandini Silk Industry, Wathar, Tal. Karad, Dist. Satara | 10/07/2018 | Purpose: To Develop rural Industrialist Demonstration of sericulture practice by arranging Guest lecture of Dr. Samir Patil under Science seminar Activity on 17/01/2019 | 222 |

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|--|--|
| 19611213 | 19611213.03 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|--------------|-------------------------|
| Class rooms | Existing |
| Class rooms | Newly Added |
| Laboratories | Newly Added |

4.2 – Library as a Learning Resource

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

| Name of the ILMS software | Nature of automation (fully or partially) | Version | Year of automation |
|---------------------------|---|---------|--------------------|
| eGranthalaya | Partially | 3.00 | 2019 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|----------------------|----------|---------|-------------|--------|---------|---------|
| | | | | | | |
| Text Books | 15128 | 504944 | 625 | 33530 | 15753 | 538474 |
| Reference Books | 23651 | 2997555 | 263 | 145586 | 23914 | 3143141 |
| e-Books | 1 | 0 | 3100000 | 5900 | 3100001 | 5900 |
| Journals | 0 | 0 | 6300 | 0 | 6300 | 0 |
| e-Journals | 1 | 3933 | 1 | 8100 | 2 | 12033 |
| Digital Database | 0 | 0 | 2 | 1200 | 2 | 1200 |
| CD & Video | 92 | 42675 | 0 | 0 | 92 | 42675 |

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|---|--------------------|---------------------------------------|-----------------------------|
| No Data Entered/Not Applicable !!! | | | |
| No file uploaded. | | | |

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MGBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|-----------------------------|--------|
| Existing | 82 | 3 | 2 | 3 | 3 | 1 | 2 | 10 | 0 |
| Added | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 82 | 3 | 2 | 3 | 3 | 1 | 2 | 10 | 0 |

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

| |
|--------------|
| 0 MBPS/ GBPS |
|--------------|

4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
|--|--|
| No Data Entered/Not Applicable !!! | |

4.4 – Maintenance of Campus Infrastructure

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

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 12507460 | 12808856 | 19611213 | 19611213.03 |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The College has the necessary number of class rooms, laboratories and other infrastructural resources and keeps record of all kinds of curricular and cocurricular changes and up gradation in various academic aspects. It allocates financial resources to strengthen the activities and their continuity. College has technical support staff for maintenance and upkeep of facilities like furniture, computers and certain types of equipments. Services for maintenance of building, certain equipments, ground, campus, etc are outsourced. The details of the budgetary and actual expenses done towards maintenance of building, furniture, equipments, computers and other electronic equipments, lab equipments, etc. The college takes necessary care and precaution towards the maintenance of its infrastructure, facilities and equipments. Water and drainage line are regularly maintained. The campus is cleaned daily and collected garbage is disposed in a systematic manner. Electric fittings are regularly checked and replaced whenever necessary by the electricians in the college. They are always on their rounds to check electric fittings and promptly attend to all staff whenever there is a need for their services. Plumber and building superwiser look after building maintenance and sanitation facilities. Housekeeping and cleaning is made on daily basis. Furniture including benches, desks, tables, cupboards and chairs are repaired and some are replaced by carpenters. Annual maintenance contract (AMC) is there for proper functioning of computers, printers and servers. Most sensitive instruments are replace in cupboards for proper upkeep and taken out whenever required and replace in the cupboards after use. Special wooden or glass boxes are constructed for large sensitive equipments. For Voltage fluctuations - stabilizers and investors are used. The college has a diesel operated generator of capacity 63.5KVA. The College has a lifted water from Krishna river that fills storage well in the campus. This water is pumped into overhead tanks to provide continues water supply to fulfill the need. We have a sufficient capacity of water tanks.

<https://www.yccskarad.com/Procedures-and-Policies.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

| | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--------------------------|--------------------|------------------|
| Financial Support from institution | Poor Student Aid Fund | 13 | 33540 |
| Financial Support from Other Sources | | | |
| a) National | Government Scholarship | 932 | 11335341 |
| b) International | 0 | 0 | 0 |

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

| Name of the capability enhancement scheme | Date of implementation | Number of students enrolled | Agencies involved |
|---|------------------------|-----------------------------|-------------------|
| No Data Entered/Not Applicable !!! | | | |
| No file uploaded. | | | |

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

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|--------------------------|--------------------|--|--|--|---------------------------|
| 2019 | 0 | 0 | 0 | 0 | 0 |
| No file uploaded. | | | | | |

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

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---------------------------|--------------------------------|---|
| 0 | 0 | 0 |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|-------------------------------|---------------------------------|---------------------------|--------------------------------------|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| IPROTECH, Kolhapur | 32 | 8 | Instavision Satara and others | 50 | 27 |
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5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Department graduated from | Name of institution joined | Name of programme admitted to |
|------|--|--------------------------|--|--|-------------------------------|
| 2019 | 118 | B.Sc. | Physics, Zoology, Botany, Pollution, Geology, Statistics, Chemistry, Electronics, Biotechnology, Microbiology and Mathematics | Shivaji University, Kolhapur, et c,.....File uploaded | M.Sc. |

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

| Items | Number of students selected/ qualifying |
|-------|---|
| NET | 5 |
| SET | 1 |
| GATE | 1 |

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

| Activity | Level | Number of Participants |
|----------------------------|-------|------------------------|
| Yoga for Better Human Life | State | 125 |

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5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|---|-------------------------|------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| No Data Entered/Not Applicable !!! | | | | | | |
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

College student council is active in various activities conducted during the year. The major activities where students have represented in 201819 are - • Organization of republic day and independence day • Organization of the National Service Scheme (NSS) camp • Organization of blood donation camp • Organization of Yashwantrao Chavan Saheb elocution and essay competitions • Editorial board member of 'Yashwant' magazine of the college • Organization of sports activities like zonal and interzonal competitions, interclass (Holly ball, Kabaddi and khokho) tournament • Organization of ladies association programs and traditional day

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

257

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

The college has not registered Alumni Association. However, college organized Alumni meet on 3rd February 2019.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Decentralization: To ensure decentralized governance system, following strategy is adapted

1. Principal : He is appointed by top management and he is the exofficio secretary of Governing body. He has an important role in governing the system. Principal forms various committees with chairpersons and some members. They are to carry various duties and activities. Principal finalises and supervise the various activities and events in the college.
2. CDC is the decision making body of the college.
3. IQAC: Important role in planning and executing activities assuring and enhancing the quality.
4. Head of Departments: They are responsible for smooth conduct of theory and practical's. He distribute properly the work and assigns responsibilities of various activities of the department. He utilizes grant allotted and also demands for more when needed.
5. Faculty: HoD and Faculty members of all departments are the chairpersons as well as members of Curricular, cocurricular and extracurricular activities. They perform their duties accordingly.
6. Student : students are involved in various decisions as they are members of important committees.
7. Non Teaching staff: Suggestion from nonteaching staff are discussed in departmental meetings and necessary actions, if required, are taken. They are used in execution of work.
8. Office: Office is responsible for overall administration and accounts

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

Yes

6.2 – Strategy Development and Deployment

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

| Strategy Type | Details |
|------------------------|--|
| Curriculum Development | <ul style="list-style-type: none">• College provides more programme options wide choice 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 upgrading.• Consultation with academicians to enrich the curricula being taught. |
| Teaching and Learning | <p>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:</p> <ol style="list-style-type: none">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/assignments • 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. Identification and focussing on advanced learners • Felicitation of the students • Encouragement of the students • Special guidance to the students

3. Science seminar and Motivation lectures

4. Faculty development through • Deputation of faculty for refresher/orientation courses • Organization of workshops, seminars, conferences etc.

5. Library enrichment by addition of recent Journals and Books

6. Introduction of need based courses

Examination and Evaluation

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

Research and Development

• College has 02 postgraduate programs (Microbiology and Chemistry) and three University approved research Laboratories (Botany, Microbiology and Zoology) for M. Phil and Ph. D degree. There are total 06 research guides and 17 research students are 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 provided with 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.

Library, ICT and Physical Infrastructure / Instrumentation

- Making provisions for latest Journals and Books of recent edition in the library Reference Books: 23651, Additions: 263, Total: 23,914 ebook : 1(NList) 3135000ebooks, eJournals: 1(NList) 6000eJournals CD/DVD: 92 Library: For enrichment of Library, funds are made available to purchase research journals, magazines, reference book, ejournals 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.

Human Resource Management

Human Resources with expected qualities and high potential are a base of quality enhancement of the institution. College overcome 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

| | |
|--------------------------------------|---|
| | <p>allotted workload according to University and Government norms.</p> <p>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.</p> |
| Industry Interaction / Collaboration | <p>1. Yashwantrao Chavan College of Science, Karad (Department of Microbiology) and Radial MicroBiotech Services, 108, opp. Cottage Hospital, Karad 415110 (MS). 2. Yashwantrao Chavan College of Science, Karad (Department of Computer Science) and Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad.</p> |
| Admission of Students | Admissions of Students are as per the Government/University norms. |

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

| E-governance area | Details |
|-------------------------------|---|
| Student Admission and Support | <ul style="list-style-type: none"> • Detail information about the college i.e. infrastructure, degree offered, subjects taught, various courses offered (grantable as well as nongrant, self finance), facilities provided in boys and ladies hostel etc. mentioned in the prospectus. • Details about the eligibility norms are included in the prospectus. • Prospectus along with admission form is offered to students. • Members of admission committee guide to students and parents as per their interest. • After conduction of entrance examinations at university level, admissions for PG courses in Microbiology and Chemistry are allotted by Shivaji university, Kolhapur. • Regarding reservations, Govt. rules are strictly followed. |
| Planning and Development | <p>Academic Calendar College Committees Academic, Administrative, Extracurricular activities, HoD meetings with Management, student centric activities, CDC meetings New implementation of any plan -discussion of Principal with HoD</p> |
| Administration | <p>Notices of admission, examinations, scholarships Displayed on notice board, circular in classrooms</p> |
| Finance and Accounts | <ul style="list-style-type: none"> • Online receipt of Admission fee. • |

| | |
|-------------|---|
| | Salaries of Teaching and Nonteaching staff directly transferred to their bank account. Payments of various work order are paid through bank checks. • Govt. norms and procedures are strictly followed during purchase of any required material including equipment. |
| Examination | <p>Internal Examinations : • Periodic tests - For Each subject in each term two periodic tests. • Preliminary practical Examination is held at the end of second term. • The above mentioned examinations are evaluated by faculty and then special counselling is provide to academically poor students.</p> <p>University Examinations: • At the end of each semester dates of Theory examinations are declared by University but the examinations are held at college. • At the end of each year Dates of Practical Examinations are declared by University but the examinations are held at college under the supervision of external examiner. • Invigilation duties are allotted to faculty all are briefed about the conduct of exam. • University guidelines are strictly followed while conducting the examinations.</p> |

6.3 – Faculty Empowerment Strategies

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

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|------|------------------------|--|---|-------------------|
| 2018 | Dr. Mrs. V. I. Kalmade | One Day workshop on "Choice based credit system" Organized by Department of Zoology, Yashwantrao Chavan Institute of Science, Satara on 05/07/2018 | College | 295 |
| 2018 | Dr. B. P. Relekar | One day teacher workshop on - New changed syllabus of B.Sc. Part I Physics. Organized by D. | College | 280 |

| | | | | |
|---------------------------|---------------------------|---|---------|-----|
| | | P. Bhosle College, Koregaon on 24 Aug. 2018 | | |
| 2018 | Dr. Mrs. V. I. Kalmade | One day teacher workshop on Revised syllabus of B.Sc. Part I Zoology Organized by Krantisinh Nana Patil College, Walva on 14 Aug. 2018 | college | 305 |
| 2018 | Mr. R. S. Patil | One day National Conference on, Recent trends and Innovations in Research field of Science, Humanities and languages" Organized by Willingdon College, Sangli on 13/02/2019. | College | 340 |
| 2018 | Dr. S. A. Kirtane | Shortterm TwoCredit Course at postgraduate level (duration: 30hrs, five days) on Dealing with Sexual Harassment at Workplace conducted in the Centre for Women's Studies, Shivaji Univesrsity, Kolhapur on August 2830th and 67th Sep. 2018. | College | 990 |
| View File | | | | |

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

| Year | Title of the | Title of the | From date | To Date | Number of | Number of |
|------|--------------|--------------|-----------|---------|-----------|-----------|
|------|--------------|--------------|-----------|---------|-----------|-----------|

| | professional development programme organised for teaching staff | administrative training programme organised for non-teaching staff | | | participants (Teaching staff) | participants (non-teaching staff) |
|------|--|--|------------|------------|-------------------------------|-----------------------------------|
| 2018 | One Day Workshop on Revised Syllabus in Microbiology Paper I and II | | 14/08/2018 | 14/08/2018 | 65 | 0 |
| 2018 | One Day Workshop on Revised Syllabus in Physics Paper I, III and Practical | | 20/08/2018 | 20/08/2018 | 69 | 0 |

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---------------------------------|------------|------------|----------|
| One Day Workshop on Choice based credit system | 1 | 05/07/2018 | 05/07/2018 | 1 |
| One Day Workshop on Revised Syllabus in Zoology at B.Sc. I | 1 | 14/08/2018 | 14/08/2018 | 1 |
| One Day Workshop on Revised Syllabus in Analytical Chemistry at M.Sc. I | 1 | 16/08/2018 | 16/08/2018 | 1 |
| One Day Workshop on Revised Syllabus in Chemistry at B.Sc. I | 1 | 20/08/2018 | 20/08/2018 | 1 |
| One Day Workshop on | 1 | 24/08/2018 | 24/08/2018 | 1 |

| | | | | |
|---|----|------------|------------|----|
| Revised Syllabus in Physics at B.Sc. I. | | | | |
| One Day Workshop on Revised Syllabus in Microbiology (Semester II) | 1 | 28/08/2018 | 28/08/2018 | 1 |
| One Day Workshop on Revised Syllabus in Inorganic Chemistry at M.Sc. I | 1 | 31/08/2018 | 31/08/2018 | 1 |
| One Day Workshop on "Benificial effects of Radiation and Indian Nuclear Energy" | 14 | 15/09/2018 | 15/09/2018 | 1 |
| Maharashtra Pakshimitra Sannelan | 2 | 23/11/2018 | 23/11/2018 | 1 |
| Faculty Development Programme on "Mathematics for Biological Sciences" | 1 | 04/12/2018 | 10/12/2018 | 7 |
| Refresher Course in "Data Science and artificial intelligence" | 1 | 02/05/2019 | 15/05/2019 | 14 |
| Faculty Development Programme On" Train the Trainers (Botany)" | 1 | 09/01/2019 | 15/01/2019 | 7 |
| One Day workshop On "Next Step Career Guidance Programme" | 1 | 28/01/2019 | 28/01/2019 | 1 |
| Faculty Development Programme on "Cyber | 2 | 04/05/2019 | 10/05/2019 | 1 |

| | | | | |
|---|---|------------|------------|---|
| Security" | | | | |
| Faculty Development Programme on "Data Science" | 2 | 14/05/2019 | 20/05/2019 | 1 |
| View File | | | | |

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching | | Non-teaching | |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| 0 | 0 | 0 | 0 |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|---|---|
| <ul style="list-style-type: none"> • Loan Facilities- PF Staff Society • Group Life Insurance • Reimbursement of Medical Bills | <ul style="list-style-type: none"> • Lone Facilities - Staff cooperative society PF • Uniforms for supportive staff. • Admission and fee Concession • Group life insurance | <ul style="list-style-type: none"> • Group Insurance • Poor students welfare fund • Guest lectures for career guidance • Placement cell • Financial assistance from Teacher's Fund and for sport's achievers and fee • Waiving for economically weaker students in hostels, poor students aid fund. |

6.4 – Financial Management and Resource Mobilization

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

Charitable trust is subjected to annual statutory audit under Bombay Public Trust act. Objective of the audit to give assurance to the trustee, stake holders and regulators that financial statements of the trust give true and fair view of the operation of the trust. Audit is conducted a qualified chartered accountant as per Indian auditing standard issued by Institute of chartered accountant of India, New Delhi. In case of any material deviations observed during the audit it is expressly highlightly to the trustee and also to the charity commissioner. Apart from this the trust is also subject to the audit under income tax act to insure that trust is applying its funds only towards charitable activities. Therefore, for each financial year college has conduct internal as well as external financial audit to check for accuracy and maintain transparency in accounting processes. The internal and external audit have conducted by qualified chartered accountant.

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

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
|--|-------------------------------|---------|
| No Data Entered/Not Applicable !!! | | |
| No file uploaded. | | |

6.4.3 – Total corpus fund generated

| |
|---------|
| 3183690 |
|---------|

6.5 – Internal Quality Assurance System

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

| Audit Type | External | | Internal | |
|----------------|----------|--------|----------|-----------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | No | | No | |
| Administrative | No | | No | |

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

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

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

1. Mrs. Thrawade S. B. (Junior Clark) has attended one day workshop on "Maha DBT online Testing" on 31 July, 2018.
2. Mr. More N. R. (Lab assistant) has attended one day workshop on "Maharashtra Public University Act2016 and Daily Work" on 31 July, 2018.

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

1. Necessary steps are initiated by the management to fill up regular sanctioned posts of staff . Roster is already checked from Commissioner office Pune , further process will start soon. NOC from Joint Director is obtained remaining work is in progress.
2. Management is always supporting for financial assistance to research activities .
3. Teacher - student ratio is seen improved every year .As per the government norms CHB posts are filled. So teacher student ratio is improved
4. Institute is always trying to motivate and encourage teachers as well as students to do meaningful research and publication of their research
5. Research facilities are increased by adding needed advanced instruments in the laboratories .Management also helps by outsourcing research facilities to researchers . Researchers have facilities of research journals Internet facilities ,Ebooks ,Ejournals

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|------|--|-------------------------|---------------|-------------|------------------------|
| 2019 | State level seminar "Yoga for Better Human Life" organized by Dept. of Sports. | 04/01/2019 | 04/01/2019 | 05/01/2019 | 13 |
| 2019 | Science seminar - Department | 17/01/2019 | 17/01/2019 | 17/01/2019 | 125 |

| | | | | | |
|------|--|------------|------------|------------|-----|
| | of Zoology "Sericulture" | | | | |
| 2019 | Workshop on "Mushroom cultivation for entrepreneurship development" | 17/01/2019 | 17/01/2019 | 17/01/2019 | 169 |
| 2019 | Cleaning of Krishna River by NCC | 22/01/2019 | 22/01/2019 | 22/01/2019 | 37 |
| 2019 | Science seminar Department of Chemistry "Silica nano particles and applications" | 23/01/2019 | 23/01/2019 | 23/01/2019 | 40 |
| 2019 | Programme on "Eagle Nature Club" | 01/02/2019 | 01/02/2019 | 01/02/2019 | 100 |
| 2019 | Alumni Meet - Chief Guest Hon. Rajendra Pawar | 03/02/2019 | 03/02/2019 | 03/02/2019 | 257 |
| 2019 | Yashwantrao Chavan State level Essay Competition Shivaji University level Elocution Competition - Inauguration | 06/02/2019 | 06/02/2019 | 06/02/2019 | 97 |
| 2019 | Science seminar Department of Electronics "Internet of Things" | 09/02/2019 | 09/02/2019 | 09/02/2019 | 87 |
| 2019 | Science seminar Department of Mathematics "Scope of Mathematics" | 20/02/2019 | 20/02/2019 | 20/02/2019 | 65 |
| 2018 | Tree plantation | 01/07/2018 | 01/07/2018 | 01/07/2018 | 47 |

| | | | | | |
|------|---|------------|------------|------------|-----|
| | sponsored by Govt. of Maharashtra | | | | |
| 2018 | Science seminar - Department of Botany "Crop improvement methods with special reference to Mutation breeding" | 13/08/2018 | 13/08/2018 | 13/08/2018 | 72 |
| 2018 | Science seminar - Department of Microbiology "Biotechnolo gy and Global scenario of GM crops" | 13/08/2018 | 13/08/2018 | 13/08/2018 | 142 |
| 2018 | Workshop on new changed syllabus of B.Sc.I Physics | 20/08/2018 | 20/08/2018 | 20/08/2018 | 69 |
| 2018 | Science seminar Department of Statistics "Use of statistics in administr ation" | 24/08/2018 | 24/08/2018 | 24/08/2018 | 60 |
| 2018 | Lead college activity common activity | 29/08/2018 | 29/08/2018 | 29/08/2018 | 112 |
| 2018 | Online registration of Green Army | 12/09/2018 | 12/09/2018 | 12/09/2018 | 467 |
| 2018 | Blood donation camp | 17/09/2018 | 17/09/2018 | 17/09/2018 | 13 |
| 2018 | Science seminar Department of Chemistry - "Polarogra phy, Cyclic | 19/09/2018 | 19/09/2018 | 19/09/2018 | 40 |

| | | | | | |
|---------------------------|---|------------|------------|------------|-----|
| | voltammetry" | | | | |
| 2018 | Lead college activity Workshop on Modern techniques in life science | 21/09/2018 | 21/09/2018 | 21/09/2018 | 102 |
| 2018 | Lead college activity "Physiotherapy in sports injury" | 27/12/2018 | 27/12/2018 | 27/12/2018 | 100 |
| View File | | | | | |

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

| Title of the programme | Period from | Period To | Number of Participants | |
|---|-------------|------------|------------------------|------|
| | | | Female | Male |
| Medical Camp for girl students | 23/08/2018 | 23/08/2018 | 45 | 0 |
| A Traditional Day | 14/01/2019 | 14/01/2019 | 860 | 705 |
| Cultural Programs | 14/01/2019 | 14/01/2019 | 860 | 0 |
| Ladies Hostel Programs (Hostel Day Celebration, Poster, Elocution, debating, rangoli, sports, etc.) | 15/06/2018 | 02/05/2019 | 158 | 0 |
| Youth Festival | 15/06/2018 | 02/05/2019 | 7 | 8 |

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

| Percentage of power requirement of the University met by the renewable energy sources |
|---|
| <ul style="list-style-type: none"> • Green and Energy audit conducted • Energy Conservation: Building alignment North South, replacement of old monitor with LCD, use of LED light • Use of renewable energy: Solar water heater at the boys and girls hostel • Water harvesting and check dam construction: Collection of 2000L rain water in chemistry department • Carbon neutrality: college is enriched with large number of trees, plantation by NCC, NSS and College staff • Hazardous waste management in chemistry and microbiology department • Celebration of wild life week and Vanmahostav • Organization of environmental awareness program • Participation in River cleaning programs |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|----------------------------|--------|-------------------------|
| Physical facilities | Yes | 2 |
| Ramp/Rails | Yes | 2 |
| Any other similar facility | Yes | 2 |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|------|--|--|------------|----------|--|---|--|
| 2019 | 0 | 1 | 19/01/2019 | 7 | Organized programs under NSS in Shahapur | Environmental awareness, personality development, women empowerment, agricultural development, biodiversity, superstition, etc. | 55 |
| 2018 | 0 | 1 | 15/09/2018 | 1 | Workshop on "Beneficial Effects of radiation and Nuclear Energy" | Beneficial Effects of radiation and Nuclear Energy | 165 |
| 2019 | 0 | 1 | 17/09/2018 | 1 | Blood Donation Camp | Benefits of blood donation | 100 |
| 2019 | 0 | 1 | 04/01/2019 | 2 | Seminar on Yoga for Better Human Life | Health | 125 |

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

| Title | Date of publication | Follow up(max 100 words) |
|---|---------------------|--------------------------|
| No Data Entered/Not Applicable !!! | | |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|--|---------------|-------------|------------------------|
| Celebration of Independent Day | 15/08/2018 | 15/08/2018 | 715 |
| Celebration of Republic Day | 26/01/2019 | 26/01/2019 | 765 |
| Celebration of Birth and death anniversary of national leaders and eminent personalities | 01/07/2018 | 30/06/2019 | 253 |

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

- Energy Conservation: replacement of old monitor with LCD, use of LED light
- Use of renewable energy: Solar water heater at the boys and girls hostel
- Water harvesting and check dam construction: Collection of 2000L rain water in chemistry department
- Carbon neutrality: college is enriched with large number of trees, plantation by NCC, NSS and College staff
- Hazardous waste management in chemistry and microbiology department
- Celebration of wild life week and Vanmahostav
- organization of program on environmental awareness

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

A. The title: LINK The Goal: To create a data base of students passing out from this college after completing their B.Sc. or M.Sc. course. The Context: Many times it requires to contact the past students for some activities or placement. Therefore we require some permanent contacts. The Practice: Every year the permanent addresses and contact numbers of faculty and students of each department are published in the form of booklet called "Link". It is a permanent link between college and students in true sense. Evidence of Success: Almost every year we are conducting alumni meet. The link helps to contact the past students in this regard. Sometimes we call them for placement also. If required by an establishment we provide the copy of Link for their perusal. B. The title: YASHWANTRAO CHAVAN STATE LEVEL ESSAY AND SHIVAJI UNIVERSITY LEVEL ELOCUTION COMPETITIONS The Goal: To commemorate birth centenary of late Yashwantraoji Chavan and to introduce his personality and thought to the new generations. The Context: Visionary leadership, first chief minister of Maharashtra and former Deputy Prime Minister of India, Yashwantraoji Chavan Saheb was born on 12th March, 1913. These competitions are to remember him and recall his thoughts in various fields. The Practice: The essay competition is organized at state level and elocution competition at Shivaji University level. Students from degree and PG classes can participate in these competitions. Topics of these competitions include contributions of Y. B. Chavan Saheb to the society and government in various capacities and various current issues. Evidence of Success: Wide response is received from every corner of state and university. We are getting increasing response to both competitions. Problem encountered and Resources required: Nil

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

<https://www.yccskarad.com/Best-Practices.pdf>

7.3 – Institutional Distinctiveness

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

Vision of the institution "Be one with the downtrodden and the underprivileged"
Vision and mission of the college are in agreement with the objectives of higher education in India. To understand and empathise with the downtrodden and underprivileged masses so as to facilitate their upliftment through making quality service education available to them. 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. Goals • Offer a wide choice of Science subjects to students for study, focusing more on those with a large component of topics fulfilling local needs and also those with present and future applications. • Create a 'centre of excellence' capable of imparting the best training in science through an effective teachinglearning mechanism. • Provide adequate infrastructure and a support system to cater to these needs. • Encourage research by the faculty so as to generate appropriate knowledge to benefit society. • Provide facilities and support systems to students from the poorest sections of society so as to enable them to avail of the best of science education. • Provide adequate opportunities and facilities for extracurricular and cocurricular activities in the college to enable the students to develop an awareness beyond their curriculum in order that they built up their personalities to the fullest. • Start new courses that have a greater component for local applications and opportunities for selfemployment in the future.

Provide the weblink of the institution

<https://www.yccskarad.com/Institutional-Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

- To organize workshop for new syllabus
- To go for more MoUs
- To organize FDP
- To organize national level activity