



Rayat Shikshan Sanstha's
Yashwantrao Chavan Institute of Science (Autonomous)
Sadar Bazaar, Camp, Satara, District- Satara-415001, Maharashtra

Internal Quality Assurance Cell (IQAC)

External Peer Team Report

on

'Performance of the College - Academic Year 2022-23'

Date of the Visit: 29rd May, 2023

Composition of the External Peer Team

Chairman	Dr. D. K. Mhaske Principal, Dhananjayrao Gadgil College of Commerce, Satara
Member	Dr. S. G. Menkudale Principal, Savitribai Phule Mahila Mahavidyalaya, Satara, Maharashtra
Member	Dr. Ganesh Jadhav Professor & IQAC Coordinator, Dhananjayrao Gadgil College of Commerce, Satara

• **Introduction and Background:**

Yashwantrao Chavan Institute of Science (Autonomous), Satara is one of the leading science colleges in the jurisdiction of Shivaji University, Kolhapur which is run by Asia's largest educational society – Rayat Shikshan Sanstha, Satara. The institute has been re-accredited with 'A+' grade by NAAC with CGPA 3.57 in third cycle of accreditation. The institute is well-supported by different agencies through its schemes like DST-FIST, DBT- Star College Scheme, UGC-CPE, RUSA- Excellence, UGC- Paramarsh Scheme, Lead College Status of SUK etc. Moreover, the working process of the institute as per ISO 9001:2015. Recently the institute becomes a constituent college of 'Karmaveer Bhaurao Patil University, Satara'. The institute offers Under Graduate Programme in 18 courses and Post Graduate Programme in 12 courses. The institutes, despite being located in a semi- urban set up, have made its mark in the research arena and currently have recognized Ph.D. centers in 5 subjects. The experienced and well-qualified faculty has added to 512 research papers with a net citation index of 4124 in the last 5 years and is enriched with 24 research guides. The institute has filed 7 patents and three patents are granted. A well-equipped Common Facility Center with high-end scientific equipment's worth Rs.2.6 crore has aided in the strengthening of the infrastructural base and mobilization of research for students and faculty. Innovation and incubation being the magic words in today's times, three faculties were awarded patent and four patents have been filed. The Institute established Yashwantrao Chavan Center for Invention, Innovation and Incubation under Industry-academia partnership program with Tata Technologies in the campus. For year 2021, the institute is listed in the NIRF rank band of 101-150 top colleges across country. The institute is also a part of MHRD-IIC, ARIIA and secured 4 stars and PERFORMER status respectively.

Institute is performing well in the academic as reflected through different awards, honors, citations, recognitions. Well-equipped laboratories play an important role in imparting the skills and improve experiential learning of the students. Hence, internal quality assurance cell (IQAC) of the institute initiated the external peer visit for quality sustenance and further improvement in the institute.

The following documents were verified to ascertain the regularity of the functioning of the different initiative taken by the college.

1. Letters of conferment of Autonomy to the institute
2. Academic calendar
3. Cluster university proposal and notification by Government of Maharashtra
4. Minutes of the statutory bodies under autonomous status including Governing Council, Academic Council, Board of Studies and Finance Committee.
5. Audited statement of the expenditure of the last year (2022-23)
6. Minutes of the IQAC meetings of 2022-23
7. The Annual Quality Assurance Report of the Academic Year 2022-23
8. Proceedings of the various other statutory committees 2022-23.
9. Activity reports of various working committees 2022-23

Profile of the Institution

• General Information

1	Name of the College	:	Yashavantrao Chavan Institute of Science, Satara (Autonomous)
2	Address	:	Sadar Bazaar, Camp, Satara, District- Satara- 410206, Maharashtra
3	City	:	Satara
4	State	:	Maharashtra
5	Name of the Principal	:	Prin. Dr. B. T. Jadhav
6	Telephone/Email/Fax		
	• Telephone with STD code	:	02162-234392
	• Mobile	:	9421215973
	• Fax	:	02162-234392
	• Registered e-mail	:	ycis.satara@gmail.com
7	Establishment Details		
	• Date of Establishment, prior to the grant of Autonomy	:	June, 1965
	• Date of grant of 'Autonomy, to the college by UGC	:	28 th March, 2018
	• Establishment Date, after the grant of autonomy	:	June 2018
8	Name of the Affiliating University		Shivaji University, Kolhapur
9	Recognition Details		
	• Autonomous Status	:	<ul style="list-style-type: none"> • University Grants Commission's letter no. F. 22-1/2017(AC), dated 28/03/2018 • Shivaji University, Kolhapur letter no. SU/Aff./T-2/Autoncm/3375, dated 13/04/2018 • Nine years (2018-2019 to 2026-27)

	• NAAC Re-accreditation	:	'A+' grade with CGPA-3.57 (Third cycle) (2016- 2023)
	• 2f & 12 B of UGC	:	1986
	• Permanent Affiliation	:	June,1965
10	Whether private or government	:	Grant-in-Aid

• **Academic Information:**

Programmes Offered		
• Under Graduate	:	24
• Post Graduate	:	15
• Post Graduate Research	:	11
• Diploma Courses	:	24
• Certificate Courses	:	02
• Skill courses	:	130

2	Students on Roll	:	4060
---	------------------	---	------

3	Faculty Strength	:	57 full time + 145 Part time
---	------------------	---	------------------------------

• **Details of Teaching Staff of the Institution:**

No. of sanctioned positions	No. of filled positions	Vacant positions	No. of faculty with Ph.D.
106	57	49	22

Professor	Associate Professor	Assistant Professor
05	21	31

• **Details of Non-Teaching Staff of the Institution:**

Sanctioned by	Male	Female	Total
Government	50	31	81

- **Internal Quality Assurance Cell (IQAC):**

In pursuance of NAAC guidelines, Yashwantrao Chavan Institute of Science, Satara (Autonomous) has established an Internal Quality Assurance Cell (IQAC) on 10/01/2001 for quality sustenance measures. IQAC contributes significantly in promoting measures for institutional functioning towards quality enhancement, monitoring various academic and administrative activities, collection and analysis of feedbacks from the stakeholders on quality related institutional processes. IQAC undertakes preparation and timely submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC. IQAC prepares for various quality audits of the institution.

Internal Quality Assurance Cell (IQAC) of our college prepares academic calendar of IQAC activities and conducts the activities in tune with calendar.

Significant Contribution and Quality initiatives by the IQAC

- IQAC conducted their planned activities/initiatives on timely basis for academic year 2022-2023.
- Initiated new UG and PG programs for providing interdisciplinary and multi-disciplinary education in tune with NEP-2020.
- Formulation of Institute-industry advisory board.
- Commencement of Cluster University
- Establishment of Section 8 Company for strengthening research
- Establishment of 'Yashwantrao Chavan Primary Consumers Store' run by students of Earn and Learn Scheme.
- Taken NAAC and NEP-2020 allied initiatives
- Submission of Online AQAR of 2021-2022
- Preparations for NAAC 4th Cycle.
- Regular meetings of IQAC- conducted (Four Meetings)
- Expansion of present ICT facilities in the College.
- 130 Skill courses conducted
- Promoted faculty members and students for participation in online Faculty/ Student Engagement in SWAYAM/ NPTEL courses/ FDPs/ Short-term courses.
- Participated in Government of India initiatives viz. NIRE, ARIIA and IIC ranking and achieved ranks.

- Organization of Conferences/Seminar/workshops at different levels i.e. International: 3, National: 15 which address recent advances in scientific world.
- Conducted different audits.
- Feedback collection, analysis, action taken and its display on institutional website.

Criterion wise analysis of various activities with respect to performance of the institution:

- **Curricular Aspects**

- ❖ Revision of curriculum of UG 3rd year for 24 programs, revised curriculum of skill, diploma and advanced diploma programs.
- ❖ The college currently offers 24 UG, 15 PG programmes. With a view to provide opportunities for skill development and focused study, 24 diplomas, 15 advanced diplomas and 130 skill courses have been offered.
- ❖ Proposed re-structuring of statutory bodies under Autonomous Status from 2023-2024.
- ❖ Organization of BoS meeting to frame curriculum of UG 1st year and PG 1st year under NEP-2020.
- ❖ Students' participation in various co-curricular activities, industrial visits, field visits, tutorial sessions, different academic competitions, national and international conferences, life skills, personality skills, soft skill workshops are encouraged and promoted.
- ❖ Integration of cross cutting issues viz. value education, human rights, climate change, environment etc. into the curriculum.
- ❖ The institute ensures that existing academic programmes are modified, enriched and organized to meet the emerging national and global trends. For this, feedback from students, parents and other stakeholders like peers is taken and communicated to the Board of Studies of the respective subjects.
- ❖ Workshops and student centered activities are promoted for the enrichment of the curriculum.
- ❖ Grievance Redressal Cell', Internal Complain Committee and Anti-Ragging Cell are functional.

• **Teaching Learning and Evaluation**

- ❖ The college follows the norms issued by the University Grants Commission, Government of Maharashtra and Shivaji University, Kolhapur for the admission process. E-governance has been practiced for the college admission process. The students are admitted as regards to academic performance, reservation policy and seats available at the particular course.
- ❖ 3907 students are admitted against the sanctioned intake for the academic year 2022-23.
- ❖ The institution follows academic calendar prepared at the beginning of academic year and it contains schedule for examinations, terms, month-wise schedule for activities to be conducted by departments, committees and associations.
- ❖ POs, PSOs and Cos of all the programmes offered by the institute are clearly stated and uploaded on the institutional website.
- ❖ Academic diaries have been provided to the teachers and every teacher prepares well-designed teaching plan at the beginning of the academic year/semester. To prepare a teaching plan, they follow a systematic procedure by taking into account number of teaching days available in the semester, division of syllabus of each course into modules, units and sub-units.
- ❖ Several capability building activities have been conducted for students.

Pass Percentage of students- Under Graduate Programmes (2021-2022)

Sr. No	Course	Number of students appeared in the examinations	Number of students who passed in the examinations	Number of students who Failed in the examinations	Pass %	Fail %
1	B.Sc. General Science (Sem III & IV)	551	466	85	84.57%	15.43%
B.Sc. III, Sem - III & IV (Professional Courses)						
2	B.Sc. Computer Science	101	96	5	95.05%	4.95%
3	B.Sc. Computer Science Entire	100	98	2	98.00%	2.00%
4	B.Sc. Biotechnology	53	49	4	92.45%	7.55%
5	B.Sc. Animation Science	47	45	2	95.74%	4.26%
6	B.Sc. Nanoscience and Technology	23	22	1	95.65%	4.35%
7	B.Sc. Forensics Science	52	50	2	96.15%	3.85%
8	B.Sc. Food Processing and Packaging	109	80	29	73.39%	26.61%
9	B. Voc. Software Development	42	34	8	80.95%	19.05%

Total		527	474	53	89.94%	10.06%
M.Sc. II, Sem - III & IV						
1	M.Sc. Organic Chemistry	38	36	2	94.74%	5.26%
2	M.Sc. Inorganic Chemistry	37	31	6	83.78%	16.22%
3	M.Sc. Physical Chemistry	26	20	6	76.92%	23.08%
4	M.Sc. Analytical Chemistry	44	44	0	100.00%	0.00%
5	M.Sc. Physics	31	26	5	83.87%	16.13%
6	M.Sc. Botany	17	15	2	88.24%	11.76%
7	M.Sc. Zoology	17	14	3	82.35%	17.65%
8	M.Sc. Microbiology	28	27	1	96.43%	3.57%
9	M.Sc. Mathematics	34	27	7	79.41%	20.59%
10	M.Sc. Statistics	40	35	5	87.50%	12.50%
11	M.Sc. Electronics	17	17	0	100.00%	0.00%
12	M.Sc. Biotechnology	41	39	2	95.12%	4.88%
13	M.Sc. Computer Science	14	14	0	100.00%	0.00%
14	M.Sc. Food Processing & Packaging	20	20	0	100.00%	0.00%
15	M.Sc. Fisheries	6	1	0	16.67%	0.00%
Total		410	366	39	89.27%	9.51%

- **Research, Innovations and Extension**

- ❖ Faculty published 56 research articles in in Scopus cited and UGC listed journals.
- ❖ The college has functional Research and Development Cell.
- ❖ College established research office which facilitates the technology transfer processes.
- ❖ 05 edited and 2 authored books published during the year.
- ❖ Establishment of center of excellence in Artificial Intelligence.
- ❖ Faculty attended seminars/ workshops/conferences at National/ International level.
- ❖ Created research corpus of Rs. 2.0 Cr.
- ❖ Faculty also involved in filing patents and 7 patents have been granted.
- ❖ Student published 100 research articles in Science Research Journal - a in-house publication.
- ❖ PBL, MBL, PD3P4, Research Posters initiatives have been taken for inculcation of research at UG and PG level.
- ❖ Patent and Research Methodology allied workshops have been organized.
- ❖ Established a coral reef research laboratory.

- **Infrastructure and Learning Resources**

- ❖ The institute has 9.25 acres of land.
- ❖ 54 classrooms, 38 laboratories and 3 Seminar Halls
- ❖ 39 LCD projectors
- ❖ The college central library is fully automated with OPAC and INFLIBNET software
- ❖ Bandwidth of internet connection of 350 mbps
- ❖ Installation of Solar Panels on college roof top
- ❖ Procurement of 50 Computers and ICT enabled devices

- **Student Support and Progression**

- ❖ Various scholarships/freeships made available to the students from college, state government, central government and other national agencies
- ❖ 50 capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Meditation, Personal counseling etc. undertaken.
- ❖ 189 students were placed through placement cell.
- ❖ 21 Students qualified in NET/SET/GATE examinations
- ❖ Active and registered Alumni Association
- ❖ Numerous student centric initiatives have been taken
- ❖ Sport, cultural and art festivals have been organized
- ❖ Organized YCIS marathon with 1500 participants.

- **Governance, Leadership and Management**

- ❖ Institute practices e-governance in every aspect of the governance including admission, administration, examination, finance etc.
- ❖ The institution practices decentralization and participative management.
- ❖ Computerized accounting system to handle all transactions. Tally software.
- ❖ Timely submission of Data for AISHE and MIS portals
- ❖ Faculty promoted for participation in FDP, hands on trainings etc. Five different programs have been organized for upskilling the non-teaching staff.
- ❖ Administrative and leadership development programs have been conducted.

- **Institutional Values and Best Practices**

- ❖ Seminar on 'Gender, environment and green campus related topics.
- ❖ Activities conducted for promotion of universal Values and Ethics
- ❖ Departments are promoted to organize best practices.
- ❖ Initiatives taken by the college to make the campus eco-friendly
 - Sericulture laboratory
 - E-waste management
 - Green and Energy audits
 - Laboratory audit
 - Plantation drives in campus
 - Plastic free campus campaign
- ❖ **Institutional Best Practices**
 - Earn and Learn Scheme
 - YC Science Exhibition cum Fair
- ❖ **Institutional Distinctiveness**
 - Research promotion

• **Concluding Remarks**



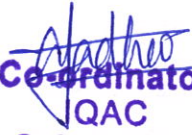
The External committee has made the following observations after its interaction and review of the documents

1. All the statutory bodies/ committees including Governing Body, Academic Council, Finance Committee and Board of Studies are functioning as per the norm laid down by the UGC for autonomous colleges.
2. Meeting record including notices, meeting minutes and action taken for every meeting have been neatly maintained and also uploaded on institutional website.
3. Institute has taken key initiative in establishing Karmaveer Bhaurao Patil University, Satara.
4. Earn and Learn scheme enriched with numerous initiatives such as establishment of primary consumer store, student scholarship etc.
5. Research promotion through Karmaveer Bhaurao Patil Research Foundation.
6. It is observed that the college has been maintaining good academic standards in Curriculum, Teaching-Learning-Evaluation and Research.
7. The college has excellent physical and IT infrastructure with adequate learning resources.
8. Effective involvement of NSS and NCC in extension and outreach activities.
9. Faculty is continuously encouraged for higher studies, Career Advancement Scheme, Faculty Development Programme etc.

The External committee has made the following recommendations for the enhancement of college performance

1. To initiate new programmes under science and interdisciplinary studies faculties.
2. Preparations for cluster university establishment.
3. Procurement of high-end research equipment's and instruments.
4. Faculty need to be encouraged for research projects from funding agencies/industry sponsored projects.

Signature of the External Peer Team Members

Name	Designation	Signature with Date
Dr. D. K. Mhaske Principal, Dhananjayrao Gadgil College of Commerce, Satara	Chairperson	 Principal Dhananjayrao Gadgil College of Commerce, Satara
Dr. S. G. Menkudale Principal, Savitribai Phule Mahila Mahavidyalaya, Satara, Maharashtra	Member	 Principal Savitribai Phule Mahila Mahavidyalaya SATARA.
Dr. Ganesh Jadhav Professor & IQAC Coordinator, Dhananjayrao Gadgil College of Commerce, Satara	Member	 Coordinator IQAC D.G.C.C. Satara

Date: 29rd May, 2023

Place: Yashavantrao Chavan Institute of Science, Satara



Rayat Shikshan Sanstha's

Yashwantrao Chavan Institute of Science (Autonomous)

Sadar Bazaar, Camp, Satara, District- Satara-415001, Maharashtra

Internal Quality Assurance Cell (IQAC)

External Peer Team Report

on

'Performance of the College - Academic Year 2021-22'

Date of the Visit: 25th March, 2022

Composition of the External Peer Team

Chairman	Dr. S. G. Menkudale Principal, Savitribai Phule Mahila Mahavidyalaya, Satara, Maharashtra
Member	Dr. Mrs. V. S. Nalawade Principal, Azad College of Education, Satara, Maharashtra
Member	Dr. Ganesh Jadhav Professor & IQAC Coordinator, Dhananjayrao Gadgil College of Commerce, Satara

• **Introduction and Background:**

Yashwantrao Chavan Institute of Science (Autonomous), Satara is one of the leading science colleges in the jurisdiction of Shivaji University, Kolhapur which is run by Asia's largest educational society – Rayat Shikshan Sanstha, Satara. The institute has been re-accredited with 'A+' grade by NAAC with CGPA 3.57 in third cycle of accreditation. The institute is well-supported by different agencies through its schemes like DST-FIST, DBT- Star College Scheme, UGC-CPE, RUSA- Excellence, UGC- Paramarsh Scheme, Lead College Status of SUK etc. Moreover, the working process of the institute as per ISO 9001:2015. Recently the state government has announced Cluster University on the name of 'Karmaveer Bhaurao Patil University, Satara' with YCIS as lead college. The institute offers Under Graduate Programme in 18 courses and Post Graduate Programme in 12 courses. The institutes, despite being located in a semi- urban set up, have made its mark in the research arena and currently have recognized Ph.D. centers in 5 subjects. The experienced and well- qualified faculty has added to 512 research papers with a net citation index of 4124 in the last 5 years and is enriched with 24 research guides. The institute has filed 7 patents and three patents are granted. A well-equipped Common Facility Center with high-end scientific equipment's worth Rs.2.6 crore has aided in the strengthening of the infrastructural base and mobilization of research for students and faculty. Innovation and incubation being the magic words in today's times, three faculties were awarded patent and four patents have been filed. The Institute established Yashwantrao Chavan Center for Invention, Innovation and Incubation under Industry-academia partnership program with Tata Technologies in the campus. For year 2021, the institute is listed in the NIRF rank band of 101-150 top colleges across country. The institute is also a part of MHRD-IIC, ARIIA and secured 4 stars and PERFORMER status respectively.

Institute is performing well in the academic as reflected through different awards, honors, citations, recognitions. Well-equipped laboratories play an important role in imparting the skills and improve experiential learning of the students. Hence, internal quality assurance cell (IQAC) of the institute initiated the external peer visit for quality sustenance and further improvement in the institute.

The following documents were verified to ascertain the regularity of the functioning of the different initiative taken by the college.

1. Letters of conferment of Autonomy to the institute
2. Academic calendar
3. Minutes of the statutory bodies under autonomous status including Governing Council, Academic Council, Board of Studies and Finance Committee.
4. Audited statement of the expenditure of the last year (2020-21)
5. Minutes of the IQAC meetings of 2021-22
6. The Annual Quality Assurance Report of the Academic Year 2021-22
7. Proceedings of the various other statutory committees 2021-22.
8. Activity reports of various working committees 2021-22

Profile of the Institution

• General Information

1	Name of the College	:	Yashavantrao Chavan Institute of Science, Satara (Autonomous)
2	Address	:	Sadar Bazaar, Camp, Satara, District- Satara- 410206, Maharashtra
3	City	:	Satara
4	State	:	Maharashtra
5	Name of the Principal	:	Prin. Dr. B. T. Jadhav
6	Telephone/Email/Fax		
	• Telephone with STD code	:	02162-234392
	• Mobile	:	9421215973
	• Fax	:	02162-234392
	• Registered e-mail	:	ycis.satara@gmail.com
7	Establishment Details		
	• Date of Establishment, prior to the grant of Autonomy	:	June, 1965
	• Date of grant of 'Autonomy, to the college by UGC	:	28 th March, 2018
	• Establishment Date, after the grant of autonomy	:	June 2018
8	Name of the Affiliating University		Shivaji University, Kolhapur
9	Recognition Details		
	• Autonomous Status	:	<ul style="list-style-type: none"> • University Grants Commission's letter no. F. 22-1/2017(AC), dated 28/03/2018 • Shivaji University, Kolhapur letter no. SU/Aff./T-2/Autonomy/3375, dated 13/04/2018 • Nine years (2018-2019 to 2026-27)

	• NAAC Re-accreditation	:	'A+' grade with CGPA-3.57 (Third cycle) (2016- 2023)
	• 2f & 12 B of UGC	:	1986
	• Permanent Affiliation	:	June,1965
10	Whether private or government	:	Grant-in-Aid

• **Academic Information:**

Programmes Offered		
• Under Graduate	:	18
• Post Graduate	:	12
• Post Graduate Research	:	03
• Diploma Courses	:	18
• Certificate Courses	:	02
• Skill courses		96

2	Students on Roll	:	4038
---	------------------	---	------

3	Faculty Strength	:	73
---	------------------	---	----

• **Details of Teaching Staff of the Institution:**

No. of sanctioned positions	No. of filled positions	Vacant positions	No. of faculty with Ph.D.
106	73	33	24

Professor	Associate Professor	Assistant Professor
04	27	42

• **Details of Non-Teaching Staff of the Institution:**

Sanctioned by	Male	Female	Total
Government	51	36	87

- **Internal Quality Assurance Cell (IQAC):**

In pursuance of NAAC guidelines, Yashavantrao Chavan Institute of Science, Satara (Autonomous) has established an Internal Quality Assurance Cell (IQAC) on 10/01/2001 for quality sustenance measures. IQAC contributes significantly in promoting measures for institutional functioning towards quality enhancement, monitoring various academic and administrative activities, collection and analysis of feedbacks from the stakeholders on quality related institutional processes. IQAC undertakes preparation and timely submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC. IQAC prepares for various quality audits of the institution.

Internal Quality Assurance Cell (IQAC) of our college prepares academic calendar of IQAC activities and conducts the activities in tune with calendar.

Significant Contribution and Quality initiatives by the IQAC

- IQAC conducted their planned activities/initiatives on timely basis for academic year 2021-2022.
- Taken NAAC and NEP-2020 allied initiatives
- Submission of Online AQAR of 2020-2021
- Regular meetings of IQAC- conducted (Four Meetings)
- Expansion of present ICT facilities in the College.
- 96 Skill courses conducted
- Promoted faculty members and students for participation in online Faculty/ Student Engagement in SWAYAM/ NPTEL courses/ FDPs/ Short-term courses.
- Development of E-content
- Participated in Government of India initiatives viz. NIRF, ARIIA and IIC ranking.
- Organization of Two Days International E-Conference on 'Recent Trends in Fitness and Health' International webinar on 'Recent Trends in Energy Storage Devices' National webinar on Material sciences
- Audits: ISO external audit, Academic Audit Academic and Administrative Audit, Laboratory audit, Energy and Environmental Audit etc. Financial - Internal and external audits.
- Feedback collection, analysis, action taken and its display on institutional website.

Criterion wise analysis of various activities with respect to performance of the institution:

• **Curricular Aspects**

- ❖ The formulated statutory bodies/committees under autonomous status including. The positive and constructive suggestions made by these committees and bodies helped to enhance the institutional academic initiatives such as the introduction of new UG, PG and research programmes, interdisciplinary short term programmes, as well as up-gradation of existing programmes.
- ❖ The college currently offers 18 UG, 12 PG programmes. With a view to provide opportunities for skill development and focused study, 18 diplomas, 12 advanced diplomas and 96 skill courses have been offered.
- ❖ University Grants Commission has conferred autonomous status to the college from the academic year 2018-19 to 2026-27 for a period of nine years. Thus, Board of studies in 14 subjects has been constituted as per the guidelines of autonomy and the curriculum design and development of UG and PG programmes were completed.
- ❖ Learners are encouraged to take-up on the job training, industrial trainings and internship and for the practical exposure of the working environment. Value education component is integrated in the curricular and extra-curricular activities of the institution. Social equity, national development and ICT are the major considerations while executing curriculum and conduct of various activities.
- ❖ Students' participation in various co-curricular activities, industrial visits, field visits, tutorial sessions, different academic competitions, national and international conferences, life skills, personality skills, soft skill workshops are encouraged and promoted.
- ❖ The institution makes efforts to integrate many cross cutting issues like value education, human rights, climate change, environment etc. into the curriculum by organizing seminars and special lectures.
- ❖ The institute ensures that existing academic programmes are modified, enriched and organized to meet the emerging national and global trends. For this, feedback from students, parents and other stakeholders like peers is taken and communicated to the Board of Studies of the respective subjects.

- ❖ Workshops and student centered activities are promoted for the enrichment of the curriculum.
- ❖ Grievance Redressal Cell', Internal Complain Committee and Anti-Ragging Cell are functional.

- **Teaching Learning and Evaluation**

- ❖ The college follows the norms issued by the University Grants Commission, Government of Maharashtra and Shivaji University, Kolhapur for the admission process. E-governance has been practiced for the college admission process. The students are admitted as regards to academic performance, reservation policy and seats available at the particular course.
- ❖ 4038 students are admitted against the sanctioned intake for the academic year 2021-22.
- ❖ The institution follows academic calendar prepared at the beginning of academic year and it contains schedule for examinations, terms, month-wise schedule for activities to be conducted by departments, committees and associations.
- ❖ POs, PSOs and Cos of all the programmes offered by the institute are clearly stated and uploaded on the institutional website.
- ❖ Academic diaries have been provided to the teachers and every teacher prepares well-designed teaching plan at the beginning of the academic year/semester. To prepare a teaching plan, they follow a systematic procedure by taking into account number of teaching days available in the semester, division of syllabus of each course into modules, units and sub-units.
- ❖ The 'Examination Committee' of the college looks after the planning for examinations, conducts of examinations and timely declaration of results as per the examination calendar. The settlement of grievances if any related to the examinations also on timely basis.

Pass Percentage of students- Under Graduate Programmes

Sr. No	Course	Number of students appeared in the final year examinations	Number of students who passed in the final year examinations	Number of students who failed in the final year examinations	Pass %	Fail %
1	B. Sc. – III, Sem – VI (General Science)	596	401	195	67.28	32.72
B. Sc. – III, Sem – IV (Professional Courses)						
2	B. Sc. Computer Science	86	65	21		
3	B. Sc. Computer Science (Entire)	75	72	3		
4	B. Sc. Biotechnology	54	49	5		
5	B. Sc. Animation Science	44	43	1		
6	B. Sc. Nanoscience and Technology	25	22	3		
7	B. Sc. Forensic Science	55	51	4		
8	B. Sc. Food Processing and Packaging	106	90	16		
9	B. Voc. Software Development	31	16	15		
	Total	476	408	68	85.71	14.29
M. Sc. – II, Sem – IV						
10	M. Sc. Organic Chemistry	44	43	1		
11	M. Sc. Inorganic Chemistry	18	18	0		
12	M. Sc. Physical Chemistry	20	17	3		
13	M. Sc. Analytical Chemistry	21	21	0		
14	M. Sc. Physics	21	17	4		
15	M. Sc. Botany	19	15	1		
16	M. Sc. Zoology	19	15	4		
17	M. Sc. Microbiology	32	32	0		
18	M. Sc. Mathematics	42	31	11		
19	M. Sc. Statistics	43	38	5		
20	M. Sc. Electronics	16	16	0		
21	M. Sc. Biotechnology	22	22	0		
	Total	314	285	29	90.76	9.24

- **Research, Innovations and Extension**

- ❖ The faculty publishes their research work regularly in Scopus cited and UGC listed journals.
- ❖ The college has Research Advisory Committee which promotes the research in the

college.

- ❖ Started student research journal.
- ❖ 23 research guides
- ❖ 54 Research Publications in national and international Journals
- ❖ 03 books published during the year.
- ❖ 16 research project sanctioned under RUSA 2.0 component-8
- ❖ 70 faculty attended seminars/ workshops/conferences at National/ International level.
- ❖ Faculty attended seminars/workshops at local level
- ❖ 32 faculties invited as a resource persons in National / International seminars / workshops / Conferences.
- ❖ Faculty also involved in filing patents and 4 patents have been granted.

- **Infrastructure and Learning Resources**

- ❖ The institute has 4.12 acres of land.
- ❖ 54 classrooms, 35 laboratories and 3 Seminar Halls
- ❖ 28 LCD projectors
- ❖ The college central library is fully automated with OPAC and INFLIBNET software
- ❖ Bandwidth of internet connection of 350 mbps
- ❖ Installation of Solar Panels on college roof top

- **Student Support and Progression**

- ❖ Various scholarships/freeships made available to the students from college, state government, central government and other national agencies
- ❖ 68 capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Meditation, Personal counseling etc. undertaken.
- ❖ 137 students were placed through placement cell.
- ❖ 17 Students qualified in NET/SET/GATE examinations
- ❖ Active and registered Alumni Association
- ❖ Institute provided financial support for registration of 18 start-ups.
- ❖ Institute established start-up clinic and makers lab.

- **Governance, Leadership and Management**

- ❖ Institute practices e-governance in every aspect of the governance including admission, administration, examination, finance etc.
- ❖ The institution practices decentralization and participative management.
- ❖ Computerized accounting system to handle all transactions. Tally software.
- ❖ Timely submission of Data for AISHE and MIS portals
- ❖ Organized one week FDP for newly recruited faculties. 15 professional development /administrative training programmes organized by the college for teaching and non-teaching staff.
- ❖ Almost teachers successfully completed professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes etc.
- ❖ Guidance to the aspiring HEIs for NAAC assessment through Paramarsh Scheme.

- **Institutional Values and Best Practices**

- ❖ Seminar on 'Gender related issues
- ❖ Activities conducted for promotion of universal Values and Ethics
- ❖ Departments are promoted to initiate best practices.
- ❖ Initiatives taken by the college to make the campus eco-friendly
 - Vermicomposting Project
 - E-waste management
 - Solar Panel
 - Green and Energy audits
 - Laboratory audit
- ❖ **Institutional Best Practices**
 - Earn and Learn Scheme
 - YC Science Exhibition cum Fair
- ❖ **Institutional Distinctiveness**
 - Research promotion

• **Concluding Remarks**




The External committee has made the following observations after its interaction and review of the documents

1. The institution has constituted all the mandatory bodies such as IQAC, Governing Council, Academic Council, Finance Committee, Board of Studies and other committees as per the norms laid down by the UGC for autonomous colleges.
2. The functioning and conduct of the academic activities are in tune with academic calendar of the institute.
3. Proceedings and functioning of all the statutory bodies is as per the guidelines and documentation is well maintained.
4. IQAC of the institute is vibrant and efficient in initiating quality initiatives and monitoring the performance of the college.
5. IQAC ensures quality enhancement through internalization of quality culture and institutionalization of best practices.
6. It is observed that the college has been maintaining good academic standards in Curriculum, Teaching-Learning-Evaluation and Research.
7. The college has excellent physical and IT infrastructure with adequate learning resources.
8. Student's representation in working and statutory committees of the institute.
9. Effective involvement of NSS and NCC in extension and outreach activities.
10. Faculty is continuously encouraged for higher studies, Career Advancement Scheme, Faculty Development Programme etc.

The External committee has made the following recommendations for the enhancement of college performance

1. Establishment of Research and Development Cell as per UGC guidelines.
2. Preparations for cluster university establishment.
3. Procurement of high-end research equipment's and instruments.
4. Faculty need to be encouraged for research projects from funding agencies/industry sponsored projects.

Signature of the External Peer Team Members

Name	Designation	Signature with Date
Dr. S. G. Menkudale Principal, Savitribai Phule Mahila Mahavidyalaya, Satara, Maharashtra	Chairperson	 Principal Savitribai Phule Mahila Mahavidyalaya SATARA.
Dr. Mrs. V. S. Nalawade Principal, Azad College of Education, Satara, Maharashtra	Member	 PRINCIPAL Azad College of Education Satara
Dr. Ganesh Jadhav Professor & IQAC Coordinator, Dhananjayrao Gadgil College of Commerce, Satara	Member	 Co-ordinator IQAC D.G.C.C. Satara

Date: 25th March, 2022

Place: Yashwantrao Chavan Institute of Science, Satara



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara
(Autonomous)

Sadar Bazaar, Camp, Satara, District- Satara-415001,
Maharashtra

Internal Quality Assurance Cell (IQAC)

External Peer Team Report
On
Performance of the College - Academic Year 2020-21

Date of the Visit: 16th April, 2021

Composition of the External Peer Team

Chairman	Dr. Mrs. P. S. Gaikwad Principal, Dhananjayrao Gadgil College of Commerce, Satara (Autonomous), Maharashtra
Member	Dr. S. G. Menkudale Principal, Savitribai Phule Mahila Mahavidyalaya, Satara, Maharashtra
Member	Prof. Dr. A. K. Wavare IQAC Coordinator, Chhatrapati Shivaji College, Satara (Autonomous), Maharashtra

1. Introduction and Background

Yashavantrao Chavan Institute of Science (Autonomous), Satara established in 1965 and named in the honor of former deputy Prime Minister of India, Hon. Yashavantrao Chavan. It is located in the historical city of Satara. The institute being run as a single faculty 'Science College' is one of the leading institutes in the jurisdiction of Shivaji University, Kolhapur. With the motto of "Education through self-help", the institute carries forward the work of Padmabhushan Dr. Karmaveer Bhaurao Patil, founder of Rayat Shikshan Sanstha and has been continuously working towards bridging the education to the grassroots of Maharashtra. The institute has been consistently re-accredited with grade 'A' by NAAC and in 2016 we received A+ grade with CGPA 3.57 during the third cycle of accreditation. Funding's from reputed government bodies viz. DST-FIST, DBT- Star College Scheme, UGC-CPE, RUSA- Component 8, UGC- Paramarsh Scheme, Lead College Status of SUK; to the tune of crores endorsed the credibility of our institute in the national arena and also enabled strengthening of the infrastructure for research and academics. The working process of the institute is ISO 9001:2015 certified consistently since 2015. In 2018, UGC conferred the Autonomous Status to the institute which has empowered the faculty to design and implement the curricula that is in tune with the needs of the society as well as industry. Recently the state government has announced Cluster University named as Karmaveer Bhaurao Patil University and in this university our institute is lead college.

The Internal Quality Assurance Cell (IQAC) of Yashavantrao Chavan Institute of Science, Satara (Autonomous) is established on June, 2001. The IQAC is located in the Room No. G-2-3, the second floor of G Building. The Director of YCIS, Dr. B. T. Jadhav is the Chairperson and Dr. Jaykumar J. Chavan, Assistant Professor in Botany and Head, Department of Biotechnology is the Director of the IQAC. The IQAC Cell is formulating as per the guidelines of NAAC including all stakeholders of the institute, members of the management and administration, and members of local community, industry expert and alumni. The IQAC stimulates the academic environ for promotion of quality of teaching-learning process and research in the institute. This is reflected in the various grants received by the institute. IQAC encourages the departments for innovations and best practices. IQAC works for the internalization and institutionalization of quality policies and practices.

External Peer Team comprising of Dr. Mrs. P. S. Gaikwad, Principal, Dhananjayrao Gadgil College of Commerce, Satara (Autonomous), Maharashtra; Dr. S. G. Menkudale, Principal, Savitribai Phule Mahila Mahavidyalaya, Satara, Maharashtra and Prof. Dr. A. K. Wavare, IQAC Coordinator, Chhatrapati Shivaji College, Satara (Autonomous), Maharashtra visited Chhatrapati Shivaji College, Satara (Autonomous) on 16th April, 2021 regarding performance of the college for regular monitoring under autonomous status during academic year 2020-21. The team interacted with the Principal, Vice-Principal, IQAC Co-coordinator and members of IQAC Cell, Deans of various sections, Head of the Departments, Chairman of various Committees, Office Superintendent and Administrative Office Staff in view of assessment of performance of the college. The Peer Team reviewed the functioning of the Statutory Bodies and verified the documents of the various initiatives taken by the college.

The following documents were verified to ascertain the regularity of the functioning of the different initiative taken by the college.

1. UGC Letters of conferment of Autonomous status
2. Institutional and IQAC Academic calendar
3. Meeting minutes and action taken reports of statutory bodies viz. Governing Body, Academic Council, Board of Studies and Finance Committee.
4. Audited statement of the expenditure of the last year (2019-20)
5. Minutes and action taken reports of IQAC meetings of 2020-21
6. Annual Quality Assurance Report of the Academic Year 2019-20
7. Examination planning and its implementation.
8. Proceedings of the various other statutory committees.
9. Functioning of non-statutory bodies.

2. Profile of the Institution

• General Information

1	Name of the College	:	Yashwantrao Chavan Institute of Science, Satara (Autonomous)
2	Address	:	Sadar Bazaar, Camp, Satara, District - Satara- 415001, Maharashtra
3	City	:	Satara
4	State	:	Maharashtra
5	Name of the Principal	:	Prin. Dr. B. T. Jadhav
6	Telephone/Email/Fax		
	• Telephone with STD code	:	02162-234392
	• Mobile	:	9421215973
	• Fax	:	02162-234392
	• Registered e-mail	:	ycis.satara65@gmail.com
7	Establishment Details		
	• Date of Establishment, prior to the grant of Autonomy	:	1965
	• Date of grant of 'Autonomy, to the college by UGC	:	28 th March 2018
	• Establishment Date, after the grant of autonomy	:	June, 2018
8	Name of the Affiliating University		Shivaji University, Kolhapur
9	Recognition Details		
	• Autonomous Status	:	<ul style="list-style-type: none"> • University Grants Commission's letter no. F. 22-1/2017(AC), dated 28/03/2018 • Shivaji University letter no. SU/Aff./ T-2/Autonomy/3375, dated 13/04/2018 • Ten years (2017-2018 to 2026-27)
	• NAAC Re-accreditation	:	'A+' grade with CGPA-3.57 (Third cycle) (2016- 2023)
	• 2f & 12 B of UGC	:	June 22, 2015
	• Permanent Affiliation	:	November 11,1965
10	Whether private or government	:	Grant-in-Aid

- **Academic Information:**

1	Programmes Offered		Number
	• Under Graduate	:	16
	• Post Graduate	:	09
	• Research	:	05
	• Diploma Courses	:	16
	• Advanced Diploma	:	9
	• Certificate Courses	:	02
	• Skill Oriented	:	76
	• Value added	:	16
	• Add-on	:	16
	• Capsule	:	16

2	Students on Roll	:	4235
---	------------------	---	------

3	Faculty Strength	:	71
---	------------------	---	----

- **Details of Teaching Staff of the Institution:**

No. of Govt. sanctioned positions	No. of filled positions	Vacant positions	No. of faculty with Ph.D.
106	65	41	36

Professor	Associate Professor	Assistant Professor
03	20	42

No. of management sanctioned positions	No. of filled positions	Vacant positions	No. of faculty with Ph.D.
78	78	-	05

- **Details of Non-Teaching Staff of the Institution:**

Sanctioned by	Male	Female	Total
Government	67	04	71
Management	50	13	63

3. Internal Quality Assurance Cell (IQAC)

Internal Quality Assurance Cell (IQAC) of Y. C. Institute of Science, Satara conducted the activities in tune with IQAC calendar.

Significant Contributions made by IQAC during the year:

- Submission of AQAR-Annual Quality Assurance Report (2019-20): 12-2-2021
- NIRF data submission – 13th February, 2021
- Academic & Administrative Audit (2018-19 & 2019-20) – Data filled on online portal of Rayat Shikshan Sanstha
- AISHE & MIS: Data Submitted & received the certificates
- ISO 9001:2015 - internal and external audit
- Timely conduction of IQAC meetings
- Feedback collection, analysis, action taken and upload on institutional website.
- Re-structuring of IQAC
- One-day Workshop on 'NAAC- Revised Accreditation Framework'
- One Day National Seminar on 'National Education Policy-2020' (23/01/2021)

Major quality initiatives by the IQAC:

- SOP for covid-19 uploaded on institutional website & display boards mounted at various corners in the campus.
- Implementation of UGC-Paramarsh scheme.
- Proposals submitted
 - i). B.Sc. Material Science
 - ii). B.Sc. Drug Chemistry
 - iii). M.Sc. Food Processing & Packaging
 - iv). M.Sc. Computer Science
 - v). M. Sc. Fishery
- Proposal for enhancement in intake capacity (M.Sc. Physics, Chemistry & Biotechnology)

- Proposals for Research Centers in Physics, Chemistry & Zoology.
- Provision of research corpus of Rs. 50 lakhs.
- Provision of Rs. 20,000 for 'Institutional Awards'
- Fund generation from Ex-YCians association (Rs. 35,000/-) for meritorious student's felicitation and Rs. 2,00,000/- for research purpose.
- Organization of One Week Faculty Development Program on 'Academic and Professional Development' (19th to 24th October, 2020)
- Successful utilization of RUSA grants – completed AG Audit.
- Introduction of 75 skill oriented programs.
- Motivation to faculty and students for participation in in SWAYAM/ NPTEL courses/ FDPs/ Short-term courses.
- Online Train the trainer, Faculty Development and Student Training Program on Creativity, Problem Solving and Innovation (Boot camp) - 04/11/2020 to 06/11/2020
- Implementation of PBL, MBL and PD3P4 schemes at UG and PG levels for research inculcation.
- Workshop on revised syllabus of 16 undergraduate programs.
- Organization of 2 international conferences – Mathematics, Life Sciences, Electronics and computational sciences.
- Organization of workshops for non- teaching staff.
- Organization of hands on-trainings for UG and PG students.
- Filing utility patent: 01; provisionally granted: 03, under process: 03
- Procurement of Scanning Electron Microscope (SEM) – Rs. 1.00 cr.
- Started Science research journal for students

4. Criterion wise analysis of various activities with respect to performance of the institution

❖ Curricular Aspects:

- As a science institute, the college have well defined vision and mission which reflects in the curricular aspects of UG and PG programs. IQAC also supports well through its various initiatives for smooth functioning and the vision orientation of the institution are ensured. Different committees and associations are constituted for different activities and also have provisions of statutory, academic, administrative committees and cells. The positive and constructive suggestions made by the members of these bodies truly complemented the institutional academic initiatives such as the introduction of new UG, PG and research programmes, interdisciplinary short term programmes, etc.
- The college currently offers 16 UG, 09 PG programmes. With a view to provide opportunities for skill development and focused study, 16 diploma, 09 advanced diploma, 02 CoC and 76 skill development courses have been offered.
- Board of studies in 14 subjects have been instrumental in designing the curricula of UG, PG and Skill Programs.
- Outcome of the inculcation of on the job training, internship and research training in core curriculum reflected in terms of placements.
- Students are promoted and encouraged for field visit, research projects and industrial visits through its inculcation in curricula.
- Proper attention on cross cutting issues like value education, environment, gender equality etc. have been provided while designing the curricula. These issues also addressed through organization of workshops, seminars and trainings on aforementioned subjects.
- Feedback on curriculum have been collected, analysed and steps have been taken for inculcation of suggestions received. The institute ensures that existing academic programmes are modified, enriched and organized to meet the emerging national and global trends.

❖ Teaching Learning and Evaluation

- The college observes the norms issued by the Shivaji University, Kolhapur and Government of Maharashtra about the admission process. The college admission process is fully automated, transparent and as per the rules. The students are admitted as regards to academic performance, reservation policy and seats available at the particular course.
- 4235 students are admitted against the sanctioned intake of the academic year 2020-21.
- The institution follows academic and activity calendar prepared at the beginning of academic year and it contains schedule for examinations, terms, month-wise schedule for activities to be conducted by departments, statutory bodies, working committees and associations.
- Well Defined PO's, PSO's and CO's for all the programs and courses offered by the institute are stated and displayed on the institutional website.
- Well defined curriculum planning and delivery through academic diary to the teachers
- Continuous internal evaluation online and offline tests, mid-sem examination, research training, internship, research projects, field trips and projects, industrial visits, case studies, seminars etc.
- Organization of relevant seminars and workshops on teaching, learning and evaluation.
- Online evaluation method to cope up with the covid-19 pandemic.
- Results of UG and PG programs are as follows,

Pass Percentage of students- UG and PG (2019-20)

Programme code	Programme name	Programme specialization	Result
101	B. Sc.	Chemistry	99.64%
102	B. Sc.	Physics	99.98%
103	B. Sc.	Botany	93.47%
104	B. Sc.	Zoology	100%
105	B. Sc.	Microbiology	98.78%
106	B. Sc.	Mathematics	94.59%
107	B. Sc.	Statistics	100%
108	B. Sc.	Electronics	100%
109	B. Sc.	Computer Science	100%

110	B. Sc.	Computer Science (Entire)	100
111	B. Sc.	Biotechnology	93.44%
112	B. Sc.	Animation Science	98%
113	B. Sc.	Nanoscience and Technology	99.98%
114	B. Sc.	Forensic Science	91.66%
115	B. Sc.	Food Processing & Packaging	98.24%
201	M. Sc.	Chemistry	100%
202	M. Sc.	Physics	100%
203	M. Sc.	Botany	100%
204	M. Sc.	Zoology	100%
205	M. Sc.	Microbiology	100%
206	M. Sc.	Mathematics	100%
207	M. Sc.	Statistics	100%
208	M. Sc.	Electronics	100%
209	M. Sc.	Biotechnology	100%
	YCMOU Distance Education	B. Lib	92.80%
	YCMOU Distance Education	M. Lib	69%

❖ Research, Innovations and Extension

- The college has well defined research and development policy which runs under the supervision of Research Advisory Committee.
- The institute have 17 research guides and 65 research students are currently working in the institute.
- 67 Research Publications in Scopus and UGC care listed journals.
- 03 books and 10 book chapters published during the year.
- 13 ongoing research projects sanctioned under RUSA Component-8.
- All faculty attended wither a seminars/ workshops/conferences at National/ International level.

- 23 faculty invited as a resource person in State/National / International, Seminars / workshops /Conferences.
- Patents: 01 granted; 04 provisionally granted; 03 under process.
- College have industry supported YC-III – Center for Invention, Innovation and Incubation.
- ED cell, Incubation Cell, Start-up Cell, Patent cell are instrumental in strengthening research and development.
- PBL, MBL and PD3P4 schemes implemented at UG and PG levels from inculcation of research.

❖ **Infrastructure and Learning Resources**

- The institute has 9.00 acres of land including well-maintained.
- During the academic year, boy's hostel facility is created with intake capacity of 200 students.
- PG building work is in progress.
- Created shade house, polyhouse and sericulture units.
- 10 temporary classrooms are created.
- 62 classrooms, 35 laboratories and 05 Seminar Halls.
- 50 LCD projectors.
- The college central library is fully automated with ILMS software.
- The cumulative bandwidth of internet connection of 250 mbps.
- Installation of solar panels (30 KV) on C-III roof top.

❖ **Student Support and Progression**

- Scholarships/freeships made available to the students from college, state government, central government and other national agencies.
- A funds of around Rs. 8,50,000/- have been generated from NGO's and Industries as scholarship for needy students.
- 85 capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Meditation, Personal counseling etc. have been undertaken.
- Over 40% students of final year have been placed through in- and off campus drives.

- 10 Students qualified in NET and SET examinations
- Functional and registered Alumni Association.

❖ **Governance, Leadership and Management**

- The institution practices decentralization and participative management.
- E-governance in admission, evaluation, finance etc. through the licensed copy of software's.
- Internal and external statutory audit has been completed for financial year 2019-20
- Submission of Data for AISHE and MIS portal
- Institute organized 08 FDP/workshop on professional development / administrative training for teaching and non-teaching staff
- 43 teachers completed either Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes etc.
- Code of conduct for every stake holder is stated and displayed on the website.

❖ **Institutional Values and Best Practices**

- 05 gender equity promotion initiatives taken by the institute.
- 07 activities conducted for promotion of universal Values and Ethics
- Initiatives taken by the college to make the campus eco-friendly
 - Vermicomposting Project
 - E-waste management
 - Solar Panel
 - Biosensors for energy conservation
 - Proper landscaping and plantation.

❖ **Institutional Best Practices**

- Earn and Learn Scheme
- YC Science Exhibition cum Fair

❖ **Institutional Distinctiveness**

- Research of the institute (67 paper: 01 patent granted, 04 provisionally granted, 03 under process; YC-III, Implementation of PBL, MBL, PD3P4, Avishkar, Rayat Inspire, No. of Book & Book Chapter: 10).

5. Concluding Remarks


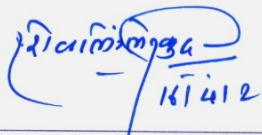
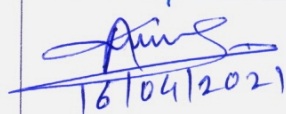
The External committee has made the following observations after its interaction and review of the documents,

1. Composition of the statutory bodies such as Governing Council, Academic Council, Finance Committee, Board of Studies, IQAC and other committees as per the norms laid down by the UGC for autonomous colleges.
2. College functioning is as per academic calendar, conduct of conduct, ISO guidelines stated for all stakeholders and monitored periodically through its monitoring committee.
3. Up-to-date record of proceedings and functioning of all the mandatory bodies. Well maintained documentation.
4. IQAC of the institute is instrumental in policy designing, its implementation and monitoring.
5. IQAC of the college ensures the quality enhancement through internalization of quality culture and institutionalization of best practices.
6. Institute set academic standards in Academics, Research, and Extension.
7. The institute have excellent infrastructure with adequate learning resources.
8. Appropriate representation of students in all statutory bodies of the institute.
9. Good number of extension and outreach initiatives through NSS, NCC and department level.
10. Proper implementation of various Govt. Schemes viz. RUSA component 8, UGC-Paramarsh, DBT-Star college, Lead College, UGC-Autonomous grants etc.
11. Institute play pivotal role in processing of RUSA sanctioned 'Karmaveer Bhaurao Patil University, Satara.
12. Participation of institute in National Institutional Ranking Framework.

The External committee has made the following recommendations for the enhancement of college performance

1. E-learning resources need to be increased.
2. Industry-academia interaction should be enhanced.
3. More courses on applied and interdisciplinary nature be started in phased manner.
4. Teachers may be encouraged to undertake GO's and NGO's supported research projects.

Signature of the External Peer Team Members

Name	Designation	Signature with Date
Dr. Mrs. P. S. Gaikwad Principal, Dhananjayrao Gadgil College of Commerce, Satara (Autonomous), Maharashtra	Chairperson	
Dr. S. G. Menkudale Principal, Savitribai Phule Mahila Mahavidyalaya, Satara, Maharashtra	Member	 16/4/21
Prof. Dr. A. K. Wavare IQAC Coordinator, Chhatrapati Shivaji College, Satara (Autonomous), Maharashtra	Member	 16/04/2021

Date: 16th April, 2021

Place: Yashvantrao Chavan Institute of Science, Satara

