



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

**'LABORATORY AUDIT'**

(Academic year: 2021-22)

Date of the Visit: 22<sup>nd</sup> January, 2022

**Composition of the External Peer Team**

<b>Chairman</b>	<b>Dr. S. T. Salunkhe</b> Principal, Dahiwadi College, Dahiwadi, Maharashtra
<b>Member</b>	<b>Dr. A. J. Sakate</b> Registrar, Chhatrapati Shivaji College, Satara, Maharashtra
<b>Member</b>	<b>Mr. B. M. Shinde</b> Office Superintendent, Chhatrapati Shahu College, Kolhapur, Maharashtra
<b>Member</b>	<b>Mr. P. D. Sakale</b> Retd. Lab Assistant, Satara

### **Introduction and Background:**

Yashavantrao Chavan Institute of Science (Autonomous), Satara is one of the leading science college 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 3124 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 Yashavantrao 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 star 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 improves experiential learning of the students. Hence, internal quality assurance cell (IQAC) of the institute initiated the laboratory audit for quality sustenance and further improvement in the laboratory facilities in every department of the institute through external peer team visit.

### 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- 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	:	<a href="mailto:ycis.satara65@gmail.com">ycis.satara65@gmail.com</a>
7	Establishment Details		
	• Date of Establishment, prior to the grant of Autonomy	:	1965
	• Date of grant of 'Autonomy, to the college by UGC	:	28 <sup>th</sup> 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"><li>• University Grants Commission's letter no. F. 22-1/2017(AC), dated 28/03/2018</li><li>• Shivaji University letter no. SU/Aff. / T-2/Autonomy/3375, dated 13/04/2018</li><li>• Ten years (2017-2018 to 2026-27)</li></ul>
	• 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

- **The following were verified to ascertain the regularity of the laboratory functioning,**
  1. Laboratory cleanliness policy, plans and processes of the institute.
  2. Laboratory visits
  3. Record of dead stock registers, instrument/ equipment's procurement and maintenance policy and processes.
  4. Chemical, glassware, plastic ware, stationary etc. procurement processes.
  5. Safety measures in the laboratory
  6. Adequate facility by considering subject-wise student strength.
  7. Status of electrical devices
  8. Departmental best practices in laboratory maintenance.
  
- **Following departments were evaluated.**
  - I. Chemistry,
  - II. Zoology
  - III. Botany
  - IV. Physics
  - V. Microbiology
  - VI. Electronics
  - VII. Statistics
  - VIII. Mathematics
  - IX. Computer Science (General)
  - X. Computer Science (Entire)
  - XI. Biotechnology
  - XII. Nanoscience and Technology
  - XIII. Animation Science
  - XIV. Forensic Science
  - XV. Food Processing and Packaging
  - XVI. B.Voc. Software Development

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

1. Every department updated dead stock register, general purchase register etc.
2. Cleanliness and safety facilities was observed
3. Coordination between non-teaching staff with HoD and faculty members.
4. Laboratories are enriched with required instruments, equipments, glassware, chemicals etc.
5. Common facility center with high end research instruments.

- **The External committee has made the following recommendations.**

- Storage facility may be strengthened with adequate racks.
- Extra instruments and equipments should be maintained properly.
- Every department should maintain stock register.
- Chemical in store room should label and arrange properly.
- Laboratory assistant and attendants should maintain their day-to-day activity in diary.

- **Signature of the External Peer Team Members**

S. No.	Name of the peer team member	Position	Signature with date
1	<b>Dr. S. T. Salunkhe</b> Principal, Dahiwadi College, Dahiwadi, Maharashtra	<b>Chairman</b>	
2	<b>Dr. A. J. Sakate</b> Registrar, Chhatrapati Shivaji College, Satara, Maharashtra	<b>Member</b>	
3	<b>Mr. B. M. Shinde</b> Office Superintendent, Chhatrapati Shahu College, Kolhapur, Maharashtra	<b>Member</b>	
4	<b>Mr. P. D. Sakale</b> Retd. Lab Assistant, Satara	<b>Member</b>	

**Date:** 10<sup>th</sup> March 2021

**Place:** Yashvantrao Chavan Institute of Science, Satara


**Laboratory Audit**  
(Academic Year- 2021-22)

➤ **Details of College**


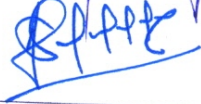

<b>Name of the college</b>	Yashavantrao Chavan Institute of Science, Satara (Autonomous), Maharashtra
<b>Address and City</b>	533A, Sadar Bazar, Satara - 415001
<b>Website</b>	www.ycis.ac.in
<b>Date of visit</b>	22 <sup>nd</sup> January, 2022

Metric-wise marks				
Sr. No	Particulars	Marks		
		Assigned	Self-Assessment (Average of all departments)	Assessment by External Team
1	Laboratory Cleanliness	10	9.93	9.13
2	Updated Dead Stock Register	10	9.67	9.00
3	Instrument/equipment - Working condition, maintenance process, labeling, user manual etc.	10	9.80	9.73
4	Purchase process - Chemical, glassware, instrument/equipment, stationary etc.	10	9.90	9.87
5	First aid kit and fire safety facility.	10	10	10
6	Updated versions of software and hardware's (especially license copies)	05	4.40	4.20
7	Electricity facility, working condition etc.	10	10	9.67
8	Store room facility, chemical and glassware labeling, stock register, refrigerator facility, distribution process	10	9.33	8.73
9	Drinking and tap water facility, drainage system as per norms, processes followed for solid and liquid waste	10	9.67	8.40
10	Leave register of lab assistant and laboratory attendant	05	4.87	4.33
11	Attendance register of research students	05	3.80	1.0
12	Best practice in laboratory	05	4.07	4.07
<b>Total</b>		<b>100</b>	<b>95.44</b>	<b>88.13</b>



  
Signature of the head of the institution  
Principal,  
Yashwantrao Chavan Institute of Science  
Satara.

**Signature of External Peer Team Members**

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