

AdarshShikshanSanstha, Beed's
**KALIKADEVI ARTS, COMMERCE & SCIENCE COLLEGE TQ-
SHIRUR(KA)DIST-BEED**
ACADEMIC AUDIT REPORT 2022-2023
Department - GEOGRAPHY

1. Name of Department: **Geography**
2. No of full time faculty: **02**
3. No of part time/ visiting / temporary / contractual faculty / CHB: **02**
4. No of Certificate courses run by the department: Does department conduct Remedial Classes for slow learners? Yes / No - **No**
5. Curriculum Revisions information: Last Revision of UG Curriculum was in: **2022-23**
6. **Research activities:**
 - a. Workshop /Symposia /Conference: **02**
 - b. **No. of papers published:** Peer reviewed journal, UGC Care List, chapter in book-
Peer Reviewed Journal – 05 Chapter in Book - 03
 - c. Contributory Research: **NIL**
 - d. Editor /Co-editor, /Author /Co-Author: **NIL**
 - e. Research Project: **NIL**
 - f. Ongoing Ph. D:**01**
7. Infrastructure facilities of the Department:

Department Area Size: 10 X 10 = 100 sq. fit Faculty Cabin
20 X 10 = 200 sq. Ft. Teaching Lab

Sr.No	ITEM	No of Items
1	Table	1
2	Chairs	3
3	Computer	1
4	Cupboard	1
5	UPS	1
6	Printer	Nil
7	Duel Desk	10
8	Black Board	1
9	Lecture Stand	1

8. MOUs/Consultancy/ Linkages/Collaborations: **NIL**
9. Contribution to the university: **Worked as a University examination flying squad member and Theory and Practical paper accessor**
10. Acted as resource persons: **Nil**
11. Research Activity conducted by students at Dept. **Student Seminar, Geographical Tour**

12. Departmental Library: Yes No. - NO

List Of Educational Websites Related To Geography

Sr. No	Name of Website	Website
1	National Geography Magazine	https://www.nationalgeographic.com/magazine
2	Indian Instituted of Geographers	https://iigeo.org/
3	Intergovernmental Committee on Surveying and Mapping	https://www.icsm.gov.au/education/fundamentals-mapping/types-maps
4	The Deccan Geographical Society of India	https://www.deccangeographer.com/
5	Indian Institute of image processing	https://www.iirs.gov.in/digitalimageprocessing

13. Teaching Learning aids developed by department(No of Charts, Posters, Modules and other teaching Material)

Number of Charts – 41

Number of Models – 05

Number of Maps - 26

14. New equipment and infrastructure added in department: **NIL**

15. Innovative and Extension activities of department:

16. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC Course: **NIL**

17. Student Feedback on Teaching Learning Process is collected from students:

Yes/ No - Yes

18. Is Student Mentoring done: Yes/No - Yes

19. Best Practices of Department- **Student Seminar**

20. Strength, Weakness and Opportunities:

Sr. No	Strength	Weakness	Opportunities
1	Well Qualified Faculty Members	Irregularity of Students	Create more interest in students to attend the lecture


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ACADEMIC AUDIT REPORT 2022-23

1. Name of Department: Commerce
2. No of fulltime faculty: 03
3. No of part-time/visiting/temporary/contractual faculty/CHB: Nil
4. No of Certificate courses run by the department: Nil
5. Does department conduct Remedial Classes for slow learners? No
6. Research activities:
 - a. Workshop/Symposia/Conference
 - b. Number of Papers published:08
 - c. Research Project: Dr. YewaleDnyaneshwarAnkushrao sanctioned minor research project From ICSSR
7. Infrastructure in the Department:
 - I. Three Cup board
 - II. Two Table
 - III. Three Chair
 - IV. Two Fan
8. MOUs/Consultancy/ Linkages/Collaborations: MOU of Research Centre at KSK College Beed
9. Contribution to the university: Paper Setting, Paper Assessment, External Examiner , BOS Member, Curriculum design, Chief Superintendent Vigilance Squad .
10. Acted as resource persons: 04
11. Research Activity conducted by students at Dept.:
 1. Guidance for five students PhD Research Work.
 2. M.Com Student guided to research Work.
12. Departmental Library :YES

Sr.no	Name of website
1.	https://www.edx.org/learn/ecommerce
2.	https://swayam.gov.in/
3.	https://onlinecourses.nptel.ac.in/
4.	https://iimskills.com/short-term-courses-in-commerce/

13. Teaching Learning aids developed by department (No of Charts:- 06, Posters :- 05 , Modules :- 03, You tube Channel:- 01)
14. New equipment and infrastructure added in department: Nil
15. Innovative and Extension activities of department: 01
16. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC Course: Nil
17. Student Feedback on Teaching Learning Process is collected from students: NO.
18. Is Student mentoring done: **Yes**
19. Best Practices of Department: 01
20. Strength,WeaknessandOpportunities:
 SWOC Analysis
 Strengths:
 - Job oriented special subjects.
 - Good research publications.
 - Well equipped lab Classroom.
 - Well qualified Staff
 Weakness:

- **Students from vernacular background.**

Opportunities:

- **Opportunities in various fields such as Banks, Accounting firms, Industries etc.**
- **To start research centre in commerce.**

Challenges:

- **Competitions with other degree colleges.**
- **To develop social responsibility among the students.**
- **To promote research culture among students.**



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ACADEMICAUDITREPORT2022-2023

7. Name of Department: SOCIOLOGY

8. No of fulltime faculty: 01

9. No of parttime/visiting/temporary/contractual faculty/CHB: 01

10. No of Certificate courses run by the department: Nil

11. Does department conduct Remedial Classes for slow learners? No

12. Curriculum Revisions information: Last Revision of UG Curriculum was in:: 2021-22

**13. Research activities: 02 Research paper are published in UGC care listed journal
01 Research paper published in Marathi Sanshodhan Patrika**

14. Infrastructure in the Department:

Department Area Size: 8x6 =48 sq.ft

Departmental Infrastructure:

Sr. No	Dead Stock	Quantity
1	Table	1
2	Chairs	3
3	Computer With Net	1
4	Cupboard	1
5	UPS	Nil
6	Printer	Nil

15. MOUs/Consultancy/ Linkages/Collaborations: 01

16. Contribution to the university: paper assessment

17. Acted as resource persons: Resource person as RC 1 chairman in national level conference sponsored by Marathi smajshyastraparishad At Dattajirao Kadam college, Ichalkaranji District Sanagali dated on 5th and 6th April 2023

18. Research Activity conducted by students at Department:

19. Departmental Library: Yes

20. Teaching Learning aids developed by department: Nil

21. New equipment and infrastructure added in department: Nil

22. Innovative and Extension activities of department: Organized one day 'Eco-friendly

Ganpatimaking workshop' for college and school students.

23. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC Course: nil

24. Student Feedback on Teaching Learning: yes

25. Process is collected from students: Yes/ No

26. Is Student Mentoring done: Yes/No

27. Best Practices of Department: poster presentation

28. Strength, Weakness and Opportunities:

- **Strength : well infrastructure**
- **Weakness: admission of students**
- **Opportunities: Scope in research at local area**



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ACADEMIC AUDIT REPORT 2022-2023

1. Name of Department:-**Economics**

2. No of fulltime faculty: __ **01**

3. Nos of part time/ -- **NO**

Visiting/temporary/ contractual faculty/CHB: **01**

4. No of Certificate courses run by the department;-**No**

5. Curriculum Revisions information: Last Revision of UG Curriculum was in: 2015-16

6. Research activities:

- Workshop/ Symposia/ Conference: **_02**
- Contributory Reserch:-**04**
- Editor/ Co-editor,/ Author01 / Co-Author. Editor
- Research Project;-**Nil**
- Ongoing Ph.D: **Complete**

7. Infrastructure in the Department: Table, Cupboard, Computer, fan etc.

8. MOUs / Consultancy / Linkages/ Collaborations;-**No**

9. Contribution to the university: Evaluations of Exam Paper- **YES**

10. Acted as resource persons: **NIL**

11. Research Activity conducted by students at Dept.

Yes

12. Departmental Library: **Yes**

- No's of books: _____ **40** _____
- E-resources: _____ **Yes** _____

13. Teaching Learning aids developed by department (No of Charts, Posters, Modules and other teaching Material) _____

1-Charts 02

2-Poster 02,

3- Educational PPT- 10

14. New equipment and infrastructure added in department: --- Nil

15. Innovative and Extension activities of department: Nil

16. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC Course:
Short Term

17. Student Feedback on Teaching Learning Process is collected from stu's: Yes

18. Is Student mentoring done: Yes?

19. Best Practices of Department

1) Wall Paper Presentation

2) Student Seminar

20. Strength, Weakness and Opportunities:

<u>Sr.No</u>	<u>Strength</u>	<u>Weakness</u>	<u>Opportunities</u>
01	Teaching Facilities	Lack of Student Response	
02	Research		
03	Teaching Resources		


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ACADEMIC AUDIT REPORT 2021-2022
 Department – Political Science

1. Name of Department: Pol. Sci
2. No of full time faculty: 01
3. No of part time/ visiting / temporary / contractual faculty / CHB: 01
4. No of Certificate courses run by the department: Does department conduct Remedial Classes for slow learners? No
5. Curriculum Revisions information: Last Revision of UG Curriculum was in: 2022-23
6. Research activities:
 - a. Workshop /Symposia /Conference:03
 - b. No. of papers published: Peer reviewed journal, UGC Care List, chapter in book : 03
 - c. Contributory Research:
 - d. Editor /Co-editor, /Author /Co-Author: Nil
 - e. Research Project:Nil
 - f. Ongoing Ph. D:Awarded 2022-23
7. Infrastructure facilities of the Department:
8. MOUs/Consultancy/ Linkages/Collaborations: Nil
9. Contribution to the university: 1.Assessment of answer books In University Examination 2. Worked as a T.Y. Evaluation
10. Acted as resource persons: Nil
11. Research Activity conducted by students at Dept. Departmental Project
12. Departmental Library: Yes.

ListOfEducationalWebsitesRelatedToPOL. SCI

Nameof Website	<u>Website</u>
IPSA	https://www.ipsa.org/profile/indian-political-science-association
STUDY I.P	https://journals.sagepub.com/home/inp
PSB	https://blog.feedspot.com/political_science_blogs/
IndiaS Political Economy	https://www.mercatus.org/scholars/shruti-rajagopalan?utm_source=ad_link&utm_medium=google&utm_campaign=scholar_branding&gclid=Cj0KCQjwqs6lBhCxARIsAG8YcDj4WK9NM5xhFOLh5X2GdEIHtbCdTv6z1gvSfCyu15LVxS2XoSR5lrsaApcVEALw_wcB

13. Teaching Learning aids developed by department
 - No of Charts, -4
 - Posters, -10
 - Modules -1
 - Teaching Material-30(PPT & Videos)
14. New equipment and infrastructure added in department: Nil
15. Innovative and Extension activities of department: Collection of ancient coins

16. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC Course: 06

17. Student Feedback on Teaching Learning Process is collected from students: Yes/

18. Is Student Mentoring done: Yes/

19. Best Practices of Department: Student Seminar

20. Strength, Weakness and Opportunities:

Sr.No	Strength	Weakness	Opportunities
1	Teaching Facility	Lack of student Presence	
2	Study Material		
3	Research		



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ACADEMIC AUDIT REPORT 2021-2022
 Department - History

1. Name of Department: History
2. No of full time faculty: 01
3. No of part time/ visiting / temporary / contractual faculty / CHB: 01
4. No of Certificate courses run by the department: Does department conduct Remedial Classes for slow learners? No
5. Curriculum Revisions information: Last Revision of UG Curriculum was in: 2022-23
6. Research activities:
 - a. Workshop /Symposia /Conference:03
 - b. No. of papers published: Peer reviewed journal, UGC Care List, chapter in book : 02
 - c. Contributory Research:
 - d. Editor /Co-editor, /Author /Co-Author: Nil
 - e. Research Project:Nil
 - f. Ongoing Ph. D:Awarded 2022-23
7. Infrastructure facilities of the Department:
8. MOUs/Consultancy/ Linkages/Collaborations: Nil
9. Contribution to the university: 1.Assessment of answer books In University Examination 2. Worked as a T.Y. Evaluation
10. Acted as resource persons: Nil
11. Research Activity conducted by students at Dept. Departmental Project
12. Departmental Library: Yes.

ListOfEducationalWebsitesRelatedToHistory

	Nameof Website	<u>Website</u>
	Map India	https://map-india.org/
	ASI	https://asi.nic.in/
	Internet Archive	https://archive.org/
	Indian Culture	indianculture.gov.in

13. Teaching Learning aids developed by department
 - No of Charts, -4
 - Posters, -8
 - Modules -2
 - Teaching Material-45(PPT & Videos)
14. New equipment and infrastructure added in department: Nil
15. Innovative and Extension activities of department: Collection of ancient coins
16. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC Course: 04
17. Student Feedback on Teaching Learning Process is collected from students: Yes/
18. Is Student Mentoring done: Yes/

19. Best Practices of Department: Student Seminar

20. Strength, Weakness and Opportunities:

Sr.No	Strength	Weakness	Opportunities
1	Teaching Facility	Lack of student Presence	
2	Study Material		
3	Research		



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ACADEMIC AUDIT REPORT 2022-2023

Department English

1. Name of Department: English
2. No of full time faculty: 03
3. No of part time/ visiting / temporary / contractual faculty / CHB: 00
4. No of Certificate courses run by the department: Does department conduct Remedial Classes for slow learners? Yes
5. Curriculum Revisions information: Last Revision of UG Curriculum was in: 2022
6. Research activities:
 - a. Workshop /Symposia /Conference:02
 - b. No. of papers published: Peer reviewed journal, UGC Care List, chapter in book= UGC= 06 Peer-reviewd= 10
 - c. Contributory Research: 00
 - d. Editor /Co-editor, /Author /Co-Author: 01
 - e. Research Project: 00
 - f. Ongoing Ph. D: 00
7. Infrastructure facilities of the Department: Monitor, CPU, Two Tables, cub-board, Three Chairs
8. MOUs/Consultancy/ Linkages/Collaborations: 00
9. Contribution to the university: 00
10. Acted as resource persons: Nil
11. Research Activity conducted by students at Dept. Student seminar, poster presentation, group discussion, lecture series, workshop.
12. Departmental Library: Yes

ListOfEducationalWebsitesRelatedTo English

	Name of Website	Website
	B.A FY- Opt. Paper-I	www.poetryfoundation.org+poems+poets
		www.thomasgray.org.in
		https://www.google.com/search?q=m.poets.org&oq=m.poets.org&gs_lcrp=EgZjaHJvbWUyBgAEEUYOjIGCAEQRRg50gEJOTMxMTlqMGo5qAIAA&sourceid=chrome&ie=UTF-8
		https://www.poemhunter.com/
		Westegg.com/bacon/index.essays.html
	B.A FY- Opt. Paper-II	www.online-literature.com

		Sherlock-holm.es/stories
		Westegg.com/bacon/index.essays.html
		www.dartmouth.edu/milton/reading-room/text.shtml

13. Teaching Learning aids developed by department (No of Charts, 02

Posters, 02 Modules and other teaching Material)

14. New equipment and infrastructure added in department: 00

15. Innovative and Extension activities of department: 03

16. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC

Course: 04

17. Student Feedback on Teaching Learning Process is collected from students:

No

18. Is Student Mentoring done: Yes

19. Best Practices of Department: No

20. Strength, Weakness and Opportunities:

	Strength	Weakness	Opportunities
	Qualified Staff	-----	Job Opportunities Improvement of English Language

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ACADEMIC AUDIT REPORT 2022-2023

Department: BOTANY

- 1. Name of Department:** BOTANY
- 2. No of full time faculty:** 01
- 3. No of part time/ visiting / temporary / contractual faculty / CHB:** NIL
- 4. No of Certificate courses run by the department: Does department conduct Remedial Classes for slow learners? Yes:** Remedial Classes
- 5. Curriculum Revisions information: Last Revision of UG Curriculum was in:** 2023-2024
- 6. Research activities:**
 - a. Workshop /Symposia /Conference:** 02
 - b. No. of papers published:** Peer reviewed journal, UGC Care List, chapter in book: 02
 - c. Contributory Research:** NIL
 - d. Editor /Co-editor, /Author /Co-Author:** NIL
 - e. Research Project:** NIL
 - f. Ongoing Ph.D.:** NIL
- 7. Infrastructure facilities of the Department:** Well equipped Furniture as Table, Chair, Cupboard, Rack, and Computer.
- 8. MOUs/Consultancy/ Linkages/Collaborations:** NIL
- 9. Contribution to the university:** Under-study, Paper setter, Invigilator, Pract. Examiner, Paper Assessor, Moderator.
- 10. Acted as resource persons:** Nil
- 11. Research Activity conducted by students at Dept. :** NIL
 - a. Departmental Library:** Yes: available during working hours.
 - b. No. of Books:** 32
 - c. E-Resources:** 05
- 12. Teaching Learning aids developed by department :** No of Charts: 04, Posters:10, Modules:00 and other teaching Material: 02
- 13. New equipment and infrastructure added in department:** Microscope: 05,
- 14. Innovative and Extension activities of department:** Botanical garden, Vermi-culture. Science exhibition.
- 15. Faculty Development Activities completed RC/OC/Short**

Term/FDP/MOOC Course: NIL

16. Student Feedback on Teaching Learning Process is collected from students: Yes

17. Is Student Mentoring done: Yes

18. Best Practices of Department:

- a. Departmental Library available during working hours.
- b. Remedial Teaching Class.
- c. Departmental 2 test per year.
- d. Field Visit.
- e. Student seminars.
- f. Poster Presentation.

19. Strength, Weakness and Opportunities:

Sr. No	Strength	Weakness	Opportunities
1	Well qualified and experienced Faculty with Research Guide under this university.	Lack of 02 fulltime faculty.	Growing student's interest in education of value and transparency.
2	Recognizable faculty and student Participation in every Departmental program in College.	Insufficient Laboratory material.	Expanding MOU partnerships and engagement opportunities.
3	Strong and established Placement record i.e. motivate student to use knowledge in their ancestral agricultural field and make it as high-tech agricultural business.	Moderate level of exposure to real time global aspects of business.	Development of Botanical Garden.



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SHIRUR (KA) DIST-BEED
ACADEMIC AUDIT REPORT 2022-2023
Department of Mathematics**

1. Name of Department: **MATHEATICS**

2. No of full time faculty: **01**

3. No of part time/ visiting / temporary / contractual faculty / **CHB: 02**

4.No of Certificate courses run by the department: Does department conduct Remedial Classes for slow learners?**NO**

5. Curriculum Revisions information: Last Revision of UG Curriculum was in: **Yes**

6. Research activities:

a. Workshop /Symposia /Conference:**NO**

b. No. of papers published: Peer reviewed journal, UGC Care List, chapter in book

c. Contributory Research:**NO**

d. Editor /Co-editor, /Author /Co-Author: **NO**

e. Research Project: **NO**

f. Ongoing Ph. D: **NO**

7. Infrastructure facilities of the Department: **Yes**

8. MOUs/Consultancy/ Linkages/Collaborations: **NO**

9. Contribution to the university: **NO**

10. Acted as resource persons: **NO**

11. Research Activity conducted by students at Dept.: **No**

12. Departmental Library: **Yes**

List of Educational Websites Related To Mathematics Science

	Name of Website	<u>Website</u>
	https://www.similarweb.com/top-websites/science-and-	https://www.teachthought.com/pedagogy/teaching-math-online/

	education/math/	
	https://en.wikipedia.org/wiki/List_of_important_publications_in_mathematics	https://leverageedu.com/blog/famous-indian-mathematicians
	https://www.edsys.in/math-websites-for-teachers-and-students/	https://www.presiuniv.ac.in/web/mathematics
	https://preply.com/en/blog/best-math-learning-websites/	https://www.caluniv.ac.in/academic/Pure-Math.html

13.Teaching Learning aids developed by department(No of **Charts, Posters, Modules** and other teaching Material):**02**

14.New equipment and infrastructure added in department:**Yes**

15.Innovative and Extension activities of department: **01**

16.Faculty Development Activities completed **RC/OC/Short Term/FDP/MOOC** Course: **01**

17.Student Feedback on Teaching Learning Process is collected from students:**Yes**

18.Is Student mentoring done: **Yes**

19. Best Practices of Department:**02**

20. Strength, Weakness and Opportunities:**M.sc, M.B.A, B. Ed, Engineering,**

Sr.No	Strength	Weakness	Opportunities
1			
2			
3			
4			


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ACADEMIC AUDIT REPORT 2022-2023
Department of Chemistry

29. Name of Department: **Chemistry**
30. No of full time faculty: **04**
31. No's of part time/visiting/temporary/contractual faculty/CHB: **06**
32. No of Certificate courses run by the department: **No**
33. Does department conduct Remedial Classes for slow learners? **No**
34. Curriculum Revisions information: Last Revision of UG Curriculum was in: **2022-23**
35. Research activities: **05**
36. Infrastructure in the Department: **Laboratories: 02 Staff room: 01**

Sr. No	Name of Items	Quantity
1	No. of tables	07
2	No. of chairs	06
3	No. of Computers	01
4	No. of Cupboards	05
5	No. of racks	02
6	No. of Fans	02
7	No. of Stools	10
9	No. of Bulbs	05
10	No. of Fire Extinguisher	01

37. MOUs/Consultancy/ Linkages/Collaborations: **Yes**
38. Contribution to the university: **Yes**
39. Acted as resource persons: **03**
40. Research Activity conducted by students at Dept.: **Nil**
41. Departmental Library: **Yes**
42. Teaching Learning aids developed by department (No of Charts, Posters, Modules and other teaching Material)

Sr. No	Charts, models, educational CDs etc
1	Charts

	1 Periodic Table
2	Models 1 Atomic Model Set 2 Solid State Model
3	ICT Material 1.Coordination Chemistry 2.Stereochemistry 3.Organic Reaction Mechanism 4. Chemical Kinetics 5. Spectroscopy 6. Chemical Thermodynamics 7.Photochemistry 8. Quantum Mechanics
4	Poster-07

43. New equipment and infrastructure added in department:**Yes**

44. Innovative and Extension activities of department:**School college Interaction Program**

45. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC Course: **No**

46. Student Feedback on Teaching Learning Process is collected from students : **Yes**

47. Is Student Mentoring done:**Yes**

48. Best Practices of Department: **Online Lecture Series, Student Seminar**

49. Strength, Weakness and Opportunities:

Sr. No	Strength	Weakness	Opportunities
1	Strong research based	Lack of sufficient space to develop specialized laboratories	Scope for filed based research activity
2	Personal attention to each student	Lack of Infrastructural facilities to meet academic requirements of master's and Ph.D. students.	Carrier oriented course to be introduced
3	Well experienced and qualified teaching faculty	Lacks local industries for regular industrial visits and collaborative interactions	Collaborative projects for teaching faculty with the industry will provide wide exposure for boyh to the students
4	Excellent association	Soft skills and	More employment

	and interaction of alumni with department.	communication skills of students need to be improved	potential in research centers like NCL, IIT, IISER, BARC etc.
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ACADEMIC AUDIT REPORT 2022-2023

- 1.Name of Department: Zoology**
- 2.No of fulltime faculty: 01**
- 3.Nos of part time/ visiting/temporary/ contractual faculty/CHB: 00**
- 4.No of Certificate courses run by the department:00**
- 5. Does department conduct Remedial Classes for slow learners?No**
- 6.Curriculum Revisions information: Last Revision of UG Curriculum was in:2022**

7. Research activities:

- a. Workshop/ Symposia/ Conference: **01**
- b. Contributory Reserch:**00**
- c. Editor/ Co-editor,/ Author/ Co-Author: **07 + 02 books**
- d. Research Project:00
- e. Ongoing Ph.D: 00

8. Infrastructur in the Department: .Well-equipped furniture (Table, Chairs, and Cupboards etc.)

9. MOUs / Consultancy / Linkages/ Collaborations:NIL

10. Contribution to the university: Wokingg as JCS in Unversity Exam at Milliya Colleg, Beed

11. Acted as resource persons: NIL

12. Research Activity conducted by students at Dept. : NIL

13. Departmental Library: Yes.

- a. Nos of books: **60**
- b. E-resources: **Nil**

14. Teaching Learning aids developed by department (No of Charts, Posters, Modules and other teaching Material) Nil

15. New equipment and infrastructure added in department: new museium specimens and student microscope is added

16. Innovative and Extension activities of department: NIL

17. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC Course: NIL

18. Student Feedback on Teaching Learning Process is collected from stu's: Yes

19. Is Student Mentoring done: Yes

20. Best Practices of Department:

SudentSemnr Study Tour, student centric learning

21. Strength, Weakness and Opportunities:

Sr.No	Strength	Weakness	Opportunities
	Strong research based	Lack of sufficient space to develop specialized laboratories.	Scope for filed based research activity
	Personal attention to each	Lack of	Carrier oriented course

	student	Infrastructural facilities to meet academic requirements of masters and Ph.D. students	to be introduced
	Cordial relationship between teachers, students and parents	Long pending demand of recruitment of new faculty	Scope to improve the status of the college on national level
	Scholastic environment	Lack of sufficient trained supporting staff (non teaching).	Building scientific aptitude, leadership quality, and entrepreneurial skill
	Extra attention to weak students	Lack of well-developed departmental instrumentation facility	
	Simple methods are used in explaining the lessons		


Principal
 Kalikadevi Arts, Comm. & Sci. College,
 Shirur (Ka.), Dist: Beed:

AdarshShikshanSanstha, Beed's
**KALIKADEVI ARTS, COMMERCE & SCIENCE COLLEGE TQ-
 SHIRUR (K) DIST-BEED**
ACADEMIC AUDIT REPORT 2022-2023
Department -Physics

21. **Name of Department: Physics**
22. **No of full time faculty: 01**
23. **No of part time/ visiting / temporary / contractual faculty / CHB: _____**
24. **No of Certificate courses run by the department: Does department conduct Remedial Classes for slow learners? No**
25. **Curriculum Revisions information: Last Revision of UG Curriculum was in: T.Y.B.Sc. 2015-16,S.Y.B.Sc. 2023-24, F.Y.B.S. 2022-23**
26. **Research activities:**
 - a. **Workshop /Symposia /Conference:**

b. No. of papers published: Peer reviewed journal, UGC Care List, chapter in book 03

c. Contributory Research:

d. Editor /Co-editor, /Author /Co-Author:

e. Research Project:---

f. Ongoing Ph. D:04

27. Infrastructure facilities of the Department:

- Computer: 01
- Cupboards: 05
- Tables: 16
- Chairs: 10
- Instruments for the experiments

No	Particulars	Quantity	Amount
1.	Sodium Vapour Lamp 35 watt With Transformer & wooden slit box	01	7850.00
2.	Spectrometer	01	4950.00
3.	Prism 2''	02	1762.00
4.	Ballistic Galvanometer 100 Ω or 500 Ω	01	3250.00
5.	Hg Vapour Lamp with Transformer	01	3500.00
6.	Diffraction grating 15000 lines per inch	01	1110.00
7.	Digital Multimeter 3. 1/2 Digit MECO	01	1800.00
8.	Newtons Rings Apparatus	01	665.00
9.	Na Lamp 55 watt complete	01	7065.00
Total Amount -----			31952.00

No	Particulars	Quantity	Amount
1.	Galvanometer (50-0-50)	02	700.00
2.	Microameter Kowa DI X 500	02	700.00
3.	Plug Key –Four way brass	02	290.00
4.	Resistance Coil	12	384.00
5.	Tunning fork set Largr	01	860.00
6.	Rubber pad	06	48.00
7.	Automatic Model 1/20 Balls	01	375.00
8.	Analytical Weight Box	01	370.00
9.	Demo Vernier Calliper 24''	01	355.00
10.	Vernier Calliper Wheel Support	06	420.00
11.	Micrometer Screw guage fine 20mm, 2 Cm	06	456.00
12.	Geometrical Box Plastic	01	480.00
13.	Bar Magnet ALNICO 3''	06	438.00
14.	Slotted Weights 500 gm X 5	02	680.00
15.	Knife Edges for Sonometer	02	30.00
16.	Hydrometer Jar	02	250.00
17.	Scintist Photo Calender	03	225.00
18.	Seperating funnel 250 ml	12	1560.00
19.	Test Tube Borosil 20 ml	200	2000.00
20.	Titration Tube Borosil (Glass)	24	1440.00
21.	Thermometer 110 ⁰ C, 1/10	24	2350.00
22.	Concave Lens 3''	12	768.00
23.	Concave Mirror 3''	12	252.00
24.	Convex Lens 3''	12	768.00
25.	Convex Mirror 3''	12	480.00

26.	Thermometer 110 ⁰ C, 1/10	12	360.00
27.	Transistor Characteristics Apparatus	01	2735.00
28.	Base Characteristics Apparatus	01	2735.00
29.	Collector Characteristics Apparatus	01	2735.00
30.	Zener diode Characteristics Apparatus	02	5980.00
31.	R.C. Coupled Amplifier	01	2280.00
32.	Heartly Oscillator	01	2280.00
33.	Wein Bridge Oscillator	01	2280.00
34.	FET Characteristics Apparatus	01	3375.00
35.	Unijunction Transistor Characteristics App.	01	2735.00
36.	Magnifying Lens	01	245.00
37.	Astronomical Telescope	01	3375.00
38.	LASER Battery Small	01	160.00
39.	Carry Faster Bridge 4- Gap	01	2280.00
40.	AND, OR, NAND, NOR gate Kit	01	2565.00
41.	Digital Multimeter DLX	02	1500.00
42.	Analog Multimeter DLX	01	490.00
43.	Magnifying Lens 4''	04	464.00
44.	Ohp Screen Stand Fold AD	01	3800.00
45.	Digital Stop Watch1 / 100 sec	01	650.00
46.	Keter Pendulum one Set	01	3500.00
47.	Reading Telescope with scale	01	2150.00
48.	Bifilar Pendulum Hevey cast Iron Rectangular plate	01	4250.00
49.	Fly Wheel 20 Cm, 45 mm Thick	01	4250.00
50.	Surface tension by Jeagers Method	01	2650.00
51.	Coupper Calorimeter	01	425.00
52.	Thermocouple- Cu- Fe Only	01	750.00
53.	Youngs Modulus Apparatus	01	1450.00
54.	Thermister Mounted on Base	01	750.00
55.	Solar Cell Characteristics Apparatus with Meters, Powersupply, Lamphour& Solar cell	01	5400.00
56.	Diffraction greating 15000 lines per inch	01	1110.00
57.	Digital Multimeter3. 1/2 Digit MECO	01	1800.00
58.	Earth Inductor coil – 1000 Turn	01	6600.00
59.	Steam Boiler Cu 2 Liter	01	1025.00
60.	Steel Wire 100 gm	01	280.00
Total Amount -----			91645.00

28. MOUs/Consultancy/ Linkages/Collaborations:

MOU of scientific and educational cooperation between department of Physics and microwave and imaging spectroscopy research laboratory, department of computer and management science, Milliya Arts, Science and Management science Beed.

29. Contribution to the university:

- Paper setting by Dr. Tupe Sanjay Karbhari
- External & internal examiner for B.Sc. Physics Practical examination.
- Invigilation & Paper Assesment for University examinations.

30. Acted as resource persons: Nil

31. Research Activity conducted by students at Dept. Nil

32. Departmental Library: Yes.

<i>No</i>	<i>Name of the Book</i>	<i>Author</i>
1	Project Report on “Electronic Voting Machine”	Submitted by Tupe S.K. For M.Sc. Degree, Guide - Prof Jadhav A.S.
2.	Thesis On “A Comparative Study of Different Spice For Circuit Analysis”	Submitted by Sanjay K. Tupe For Ph.D. Degree, Guide – Prof Dr. Behere S.H.
3.	University Physics With Modern Physics, Twelfth Edition	Hugh D. Young, Roger A. Freedman
4.	Tata’s Formulae Pocket Series Physics Vol. II	S.C.Jain
5.	Electronic Devices & Circuits, Fifth Edition	David A. Bell
6.	Mathematics Content	MadhavGopalDhaygude
7.	Hand Book of Formulae & Physical Constants	By Power Engineering Training System, Canada
8.	DK Ultimate Visual Dictionary	Dorling Kindersley
9.	Vedic Mathematics	Dr. GokulKumariGhanashyamdashaw
10.	Computing Essentials	Timothy J. O’Leary Linda I. O’Leary
11.	Computer Technology, Part II	A.B. Darade
12.	B.Sc. Practical Physics	C.L. Arora
13.	The Encyclopedia of Electronic Circuits	Rudolf F. Graf
14.	Introduction to Pspice Using Orcad For Circuits & Electronics, Third Edition	Muhammad H. Rashid
15.	Discrete-Event System Simulation, Fourth Edition	Jery Banks, John S. Carson II, Barry L. Nelson, David M. Nicol
16.	Computer Oriented Numerical Methods	V. Rajaraman.
17.	Electronic Instrumentation & Measurement Techniques, Third Edition.	W.D. Cooper, A.D. Helfrick
18.	Fundamentals Of Electrical Engineering & Electronics	B.L. Theraja
19.	Clark’s Tables, Science Data Book	Oliver & Boyd
20.	Physics Practical Workbook For XII th Science	By Tupe Sanjay K.
21.	Solid State Physics	R.K. Puri, V.K. Babbar
22.	Concepts of Physics	Smt. S.L. Patankar, Dr. AG. Patil, Dr. S.V. Tulapurkar& Dr. D.R. Mane.
23.	Fundamentals Of Physics	Dr. S.V. Tulapurkar, Smt. S.L. Patankar, Dr. AG. Patil& Dr. D.R. Sengule.
24.	Geometrical & Physical Optics, Electrodynamics & Relativity	AG. Patil, Smt. S.L. Patankar, Dr. S.V. Tulapurkar& Dr. S.B. Deshmukh.
25.	Solid State & Nano Physics, Electronics	AG. Patil, Smt. S.L. Patankar, Dr. S.V. Tulapurkar& Dr. S.B. Deshmukh.
26.	The Little Modern Dictionary	KrishnajiBhaskarVirkar
27.	MercuryInvirmental Implications &Toxicity	Central Polution Control Board, Ministry of

		Enviroment& Forests
28.	Challenge General Knowledge	Prof Dandekar& Prof Desai

Charts

1. Ignored Energy sources.
2. Instructions of Safety in lab -I
3. Instructions of Safety in lab – II
4. Aims and Objectives.
5. Opportunities.
6. Future Plan
7. Wall Papers.

8. List of e-books

Sr. No.	Name of e- Book
1.	A Modern Introduction to Particle Physics 2nd ed - Fayyazuddin, Riazuddin (World, 2000)
2.	A Quantum Approach to Condensed Matter Physics
3.	Acoustics - Basic Physics, Theory and Methods - P. Filippi, et al., (Elsevier, 1999) WW
4.	Advances-in-robot-control-from-everyday-physics-to-human-like-movements
5.	Allison - Fundamental Physics for Probing and Imaging (Oxford, 2006)
6.	Approaches to Fundamental Physics - I. Statamescu, E. Seiler (Springer, 2004) WW
7.	Ashby,Miller - Principles of Modern Physics
8.	Atomic Physics - C. Foot (Oxford, 2005) WW
9.	Atomic physics
10.	Bamberg - Course in Mathematics for Students of Physics - Volume 1 [defects] (Cambridge, 1988)
11.	Bamberg - Course in Mathematics for Students of Physics - Volume 2 [defects] (Cambridge, 1988)
12.	Basic priciples of physics
13.	Biology in Physics - Is Life Matter - K. Bogdanov (AP, 2002)
14.	Brown - Selected Papers of Richard Feynman - With Commentary [physics] (World, 2000)
15.	Calculus Of Variations, With Applications To Physics And Engineering - Weinstock

	R
16.	Cassidy - Understanding Physics - Student Guide (Springer, 2002)
17.	Cassidy - Understanding Physics (Springer, 2002)
18.	college Physics
19.	Combustion Physics - C. Law (Cambridge, 2006) WW
20.	Computation as a Tool for Discovery in Physics
21.	Computational Physics
22.	Concepts in Thermal Physics - S. Blundell, K. Blundell (Oxford, 2006) WW
23.	CRC Handbook of Chemistry and Physics (86th Edition)
25.	CRC Handbook of Chemistry and Physics 89th Ed 2009
26.	Crowell - Conceptual Physics (Mar 2007)
27.	dictionary of pure and applied physics - dipakbasu
28.	Differential Geometry in Physics - G. Lugo (
29.	Diffraction Physics 3rd ed - J. Cowley (Elsevier, 1995) WW
30.	Elmore - Physics of Waves (McGraw, 1969)
31.	Essentials od Applied Physics
32.	essentials of applied physics 1947
33.	evolution of physics
34.	Feynman Lectures on Physics Complete Volumes 1-2-3
35.	Fishbane - Physics for Scientists and Engineers with Modern Physics 3e
36.	Fossheim - Superconductivity - Physics and Applications (Wiley, 2004)
37.	Friedrich - Theoretical Atomic Physics 2e rev. (Springer, 1998)
38.	Frolov - Black Hole Physics - Basic Concepts and New Developments (Kluwer, 1997)
39.	Fundamentals Of Plasma Physics - P. Bellan (2004) WW
40.	Fundamentals.of.Physics
41.	Game Physics Engine Development - IAN MILLINGTON
42.	Giancoli - Physics - Principles with Applications 6e [with solutions] (Pearson, 2005)
43.	Glencoe - Physics - Principles and Problems [textbook] (McGraw, 2005)
44.	Global Earth Physics A handbook of Physical Constants
45.	Handbook of Physics
46.	Hewitt - Conceptual Physics 10e - Practising Physics

47.	Hewitt - Conceptual Physics 10e
48.	Holzner - Physics for Dummies (2004)
49.	Intelligent Designs Selected Topics in Physics
50.	Intermediate Physics for Medicine and Biology - R. Hobbie, B. Roth (Springer, 2007) WW
51.	Introduction to Liquid State Physics - N. March, M. Tosi (World, 2002) WW
52.	Practical Physics
53.	UGC Physics

List of Video links and Websites

- <https://youtu.be/jk6Hm1QoDYY>
- <https://youtu.be/xrk7Mt2fx6y>
- <https://cosmolearning.org/video-lectures/dalemberts-principle-lagranges-equation/>
- <https://www.google.com/search?q=Hydrogen+Spectra&oq=Hydrogen+Spectra&aqs=chrome..69i57j0l5.14895j1j7&sourceid=chrome&ie=UTF-8>
- <https://www.google.com/search?q=youtube+video+on+types+of+energy&oq=video+on++Types+of+Energy+&aqs=chrome.1.69i57j0l2.81470j1j8&sourceid=chrome&ie=UTF-8>
- <https://en.m.wikipedia.org>

33. Teaching Learning aids developed by department (No of Charts, Posters, Modules and other teaching Material)

14. New equipment and infrastructure added in department:

- Laser Multicolor
- Spectrometer superior
- B.H. Curve Apparatus
- Transistor characteristics apparatus
- Digital Thermometer
- Charging and Discharging Capacitor
- Operational Amplifier
- Polarimeter (Half shade)
- Newton's Rings Apparatus
- Optical Bench 1.5m
- Capacitor Kit on Bread Board
- Transistor on Bread Board

- Induction on Bread Board
- Soldering accessories with flux and wire
- Study of rectifier and filter
- Solar cell Characteristics Apparatus

15. Innovative and Extension activities of department:

16. Faculty Development Activities completed RC/OC/Short Term/FDP/MOOC

Course: Nil

17. Student Feedback on Teaching Learning Process is collected from students:

Yes

18. Is Student Mentoring done: Yes

19. Best Practices of Department: Question Bank, Study tour

20. Strength, Weakness and Opportunities:

Sr.No	Strength	Weakness	Opportunities
1	Qualified and credentialed faculty and staff	Little or limited financial support for majors - scholarships or stipends Limited Number of full time teaching staff	To maintain the academic standard of the department in spite of the weaknesses mentioned earlier.
2	Good diversity in experiences	To link the curricula and teaching learning process with need of industry	To increase high scientific temper among students
3	Novel collaboration with other institutes	To link the curricula and teaching learning process with need of industry	To link the curricula and teaching learning process with need of industry


Principal
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