

S.S.E.S.AMT'S SCIENCE COLLEGE, NAGPUR

Information to be submitted by the Department for

Internal Academic Audit

Name of the Department : Chemistry

Period of assessment session: 2017-18

1. Details about Academic Programmes :

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
UG	1			
PG	1			
Ph. D.	1			
PG Diploma				
Advanced Diploma				
Diploma				
Certificate	1			
Others				
Total	04			

2. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Whether Permanent/Adhoc/contributory	Qualification	Designation	Specialization	No. of Years of Experience	Whether supervisor	No. of Ph. D student registered / awarded, for last 4 years.
Dr. D. C. Sindhimeshram	Permanent	M.Sc,M.Phil, Ph.D	Asso. Professor	Physical Chemistry	30	Yes	
Dr. Mrs. P. D Burghate	Permanent	M.Sc. Ph.D.	Asso. Professor	Nuclear Chemistry	30	Yes	01 Reg
Dr. R. U. Khope	Permanent	M.Sc,M.Phil, Ph.D	Asso. Professor	Physical Chemistry	22	Yes	05 Reg 01 Awarded
Mrs. Y. K. Meshram	Permanent	M.Sc.	Asso. Professor	Organic Chemistry	18		Ph.D. Awarded
Shri J. K. Gunjate	Permanent	M.Sc.	Asst. Professor	Organic Chemistry	12		Ph.D. Awarded
Dr. R. A. Deshmukh	Permanent	M.Sc. Ph.D.	Asst. Professor	Organic Chemistry	09	Yes	01Reg
Dr Mrs R. D. Urkude	Permanent	M.Sc. Ph.D.	Asst. Professor	Inorganic Chemistry	09	Yes	02Reg

3. No. of Guest and Visiting faculty and Temporary faculty

4. Faculty participate in conference /seminar/workshop and synopsis:

Name of the Faculty	Title of Conference/ Seminar/ workshop Attended	Period	Level International/ National/State /University /College	Whether Presented papers	Whether abstract published in Sovinor/Abstract Book	Whether papers published in proceeding with ISBN No if any	Whether Resource person
Dr. D. C. Sindhimeshram	Discussion on Restructuring on UG Syllabus	11/10/2015	University				
Dr. Mrs. P. D Burghate	National Conference on Recent Trends	4 Oct 2015	National		Yes		
Dr. R. U. Khope	Discussion on Restructuring on UG Syllabus	11/10/2015	University				
Mrs. Y. K. Meshram	i)National Conference on Recent Trends , in lifesciences Material..Sciences and home sciences, ii) Discussion on Restructuring on UG Syllabus	4/10/2015 , 11/10/2015	National University	Paper presented			
Dr. R. A. Deshmukh	Recent trends in lifesciences Material..Sciences and home sciences	4/10/2015	National	Paper presented	Yes		
Dr Mrs R. D. Urkude	i)Recent trends in lifesciences Material..Sciences and home sciences ii) Discussion on Restructuring on UG Syllabus iii)National	4/10/2015 10/11/2015	National University	Paper presented	Yes		

	Conference on Sustainable development and green India	17/10/2015	National				
	iv) Recent trends in science and technology	12 to 17/7/2017	International				
	v) International Fluoride conference	18 to 20/09/2017	International				
	vi)						

5. Innovative processes adopted by the Department in Teaching and Learning:

Use of LCD projector

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

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7. Initiatives undertaken towards faculty development

Name of the Faculty	Faculty / Staff Development Programmes								
	Orientat ion	Refr eshe r	UGC – FIP	HRD program	Fac ulty exc han ge pro gra m	Staff training by university	Staff training by other institutions	Summer / Winter schools, Workshops, etc	Others
Dr R.A.Deshmukh		Refr .							
Mr.J.K.Gunjate		Refr e.							

8. Details of Administrative and Technical staff

Name of the staff	Designation	Permanent /Temporary
Mr.K.B.Pendam	Lab Assistant	Permanent
Mr. A.A.Bhagat	Lab Assistant	Permanent
Mr. R.S.Murte	Lab.Attendant	Permanent
Mr. B.C.Mangate	Lab.Attendant	Permanent
Mr. G.M.Funne	Lab.Attendant	Permanent
Mr. A.S.Bhoyar	Lab.Attendant	Permanent
Mr. S.G.Tete	Lab.Attendant	Permanent
Mr. S.M.Mokadam	Lab.Attendant	Permanent
Mr. S.P.Hedau	Lab.Attendant	Permanent

9. Research funds sanctioned and received from various funding agencies, industry and other organizations

Name of the Faculty	Major/ Minor/ Interdisciplinary/ Industry sponsored Any other (Specify	Duration Year	Name of the funding Agency	Total grant sanctioned	Received	Completed/ Ongoing/ Sanctioned/ Submitted
Nil						

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10. Details on research publications

Name of the Faculty	Peer Review Journals			Non-Peer Review Journals			Conference proceedings			e-Journals		
	International	National	Other	International	National	Other	International	National	Other	International	National	Other
Dr.P.D.Burghate	03						01	02				
Dr.R.D.Urkude	03											
Mrs.Y.K.Meshram	02											
Dr. R.A. Deshmukh	02											

11. Details on research publications listed in International Database (SCOPUS)

Name of the Faculty	Co-Authors	Title	Journal	Year of Publication	Imp. Factor	SNIP	IPP	SJR	h-index

Areas of consultancy	Revenue generated through consultancy
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13.

Details on Impact or of publication
 Range Average h-index Nos. in SCOPUS

14. Details of publication of Chapter in Book/ Book Edited/ Book Published by the faculty

Name of the Faculty	Chapter in Book	Book Edited	Book Published		
			Title of the Book Published	ISBN/ISSN	Publisher

15. Areas of consultancy and Revenue generated through consultancy

16.

 Conferences/Seminar /workshop/Guest
Lect. organized by the Department

Sr. No	Conferences/Seminar/ workshop/Guest Lect.	International/ National / State/ University/ College Level	Title /Topic	Period	Sponsoring Agencies
1	Guest Lect.(Prof Amar Damle	College level	International Antidrug day	26Jun 2015	
2	Guest Lect(Dr Hemant Pande)	College level	International Ozone Day	16 Sept. 2015	

17. No. of faculty served as experts, chairpersons or resource persons - 01(PDB)

18. No. of collaborations International National Any other

19. No. of linkages created during this year

20. Total budget for research for current year in lakhs: Nil

From Funding agency From Management of University/College Total

21. No. of research awards/ recognitions by faculty and research fellows of the institute in he year

Name of the Faculty	Details of the awards/ recognitions	International / National / State / University/ Dist/ College Level
Nil		

21. No. of Ph.D. awarded by faculty from the Institution

22. No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones); Nil

JRF SRF Project Fellows Any other

23. Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
No. of important equipments purchased (\geq 1-0 lakh) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others(Laboratories)	04	04	College	-

24. Total Number of students

UG	PG	Ph. D.	Others
802	38	Nil	COC 15
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26. Student -Teacher Ratio (programme wise): UG

PG 1:12

27. No. of students qualified in these examinations

NET SET/SLET GATE CAT
 IAS/IPS etc State PSC UPSC Others

28. Faculty as members in a) National committees b) International Committees c) Editorial Boards

Sr. No	Name of Faculty	National Committees	International Committees	Editorial board	Whether served as experts, chairpersons or resource persons if yes, give details
1	Dr. D. C. Sindhimeshram	AICTA, ISCA			
2	Dr. Mrs. P.D. Burghate	ISCA, ISTE	OISCA, Chapter (Japan)	Bi-annual Journal (SSCN, Nagpur) International Journal of Researches in Bioscience Agriculture and technology	
3	Dr. R. U. Khope	ISCA, AICTA	JERAD	VIBGYOR, Biannual Interdisciplinary Journal ,	
4	Mrs. Y. K. Meshram	ISCA, AICTA	JERAD		
5	Shri. J. K. Gunjate	AICTA	JERAD		
6	Dr. Mrs. R. D. Urkude	AICTA, ABMVP	FICCE		
7	Dr. R. A. Deshmukh	ISCA , AICTA			

29. Student projects; Nil

a) Percentage of students who have done in-house projects including inter departmental/programme

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

30. Awards / Recognitions received by faculty and students:Nil

31. List of eminent academicians and scientists / visitors to the department:

- i) Dr Amar Damle,,Binzani College ,Mahal Nagpur,
- ii) Dr Hemant Pande, Head Dept of Chemistry Hislop College ,Nagpur,
- iii)Dr Nikhil Pande(Psychiatrist) ,Dantoli Nagpur

32. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
UG					
PG					

33. Student progression

Student progression	Against % enrolled
UG to PG	1%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed <ul style="list-style-type: none">• Campus selection• Other than campus recruitment	
Entrepreneurship/Self-employment	

34. Details of Infrastructural facilities

Infrastructural facilities	
Library	1
Class rooms with ICT facility	1
Laboratories	4
Other Staff Room	1

35. Number of students receiving financial assistance from college, university, government or other agencies :GOI Schlorship

36. Details on student enrichment programs (special lectures/workshops/seminar) with external experts:

- i) Dr Amar Damle,,Binzani College ,Mahal Nagpur,
- ii) Dr Hemant Pande, Head Dept of Chemistry Hislop College ,Nagpur,
- iii)Dr Nikhil Pande(Psychiatrist) ,Dantoli Nagpur

37. Participation in Institutional Social Responsibility (ISR) and Extension activities:
Visit to NEERI

38. Major grievances of students (if any) redressed: Nil

39. SWOC analysis of the department and Future plans:

- Well Qualified, Competent and Experienced Staff.
- Self financing PG Course
- Well equipped Laboratories.
- Number of options available with chemistry subject.
- Certificate course in environmental Analysis.
- Regular seminars, personality development, guest lectures and awareness programs.
- Laboratory is recognized for higher learning and research.
- Five faculties are supervisors.
- Remedial teaching to slow learners.
- NET /SET coaching centre
- Four National Conferences are organized.
- Department is under CPE

Weakness

- Average students seek admission in the subject.
- Moderate employment opportunity

Opportunities

- Employment potential for M.Sc. Students in chemical/pharmaceutical companies.
- Upcoming industries in MIHAN
- Upcoming Textile Zone nearby Nagpur
- Student faculty exchange programme.

Future plans

- To organize conferences, workshops, seminars, seminar competitions and quiz etc.
- To submit proposals for major and minor research projects to funding agencies like DST, UGC CSIR etc for financial assistance.
- To enhance publications in journal of national and international repute.
- To form linkages with national laboratories like NCL, Forensic, NEERI, IICT Hyderabad and AGMARK etc.
- To arranged the lectures of eminent scientists and professors.
- To encourage the UG and PG students towards research and competitive exam.
- To synthesize the drugs, dyes, nanomaterials and adsorbents for the betterment life.
- To arrange the training programme for the students in collaboration with NEERI.

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41. Any other information:

Part –B

- 1. Strengths : -----
- 2. Weaknesses: -----
- 3. Oppurtunities: -----
- 4. Challenges: -----

Recommendations by Internal Academic Audit Committee:

Date:

Signature
Head of the Department

Signature
IQAC-Coordinator

Signature
Principal & Chairman IQAC