

Evaluative Report of School of Basic Science and Research (SBSR)

1. **Name of the Department** : Chemistry
2. **Year of establishment** : 2013
3. **Is the Department part of a School/Faculty of the University?**
YES, SBSR
4. **Names of programmes offered (UG,PG,M.Phil.,Ph.D.,Integrated Masters;Integrated Ph.D.,D.Sc., D.Litt.,etc.)**
B.Sc. (hons.), M.Sc.(Integrated), M.Sc., Ph.D.
5. **Inter disciplinary programmes and departments involved:**
B.Sc.-LLB
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
NO
7. **Details of programmes discontinued ,if any, with reasons:**
BSMS (UGC has stopped affiliating the program.)
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
SEMESTER
9. **Participation of the department in the courses offered by other departments:**
B.TECH, B.Sc.(Bio., Chem.,Maths,Phy.),
10. **Number of teaching posts sanctioned ,filled and actual (Professors /Associate Professors /Asst.Professors/others)**

			Actual(including
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	Sanctioned	Filled	CAS& MPS)
Professor			NIL
AssociateProfessors			NIL
Asst.Professors			4
Others			

11. Faculty profile with name ,qualification ,designation ,area of specialization ,experience and research under guidance

Name	Qualifi cation	Designati on	Specializati on	No. of Years of Experien ce	No. of Ph.D./M. Phil. students guided or the last4 years
Dr. GeetaDurga	Ph.D.	HOD & Assistant Professor	Organic Chemistry	13	NIL
Dr. Noopur Srivastava	Ph.D.	Assistant Professor	Organic Chemistry	6yrs 9months	NIL
Dr. Anupam Agarwal	Ph.D.	Assistant Professor	Organic Chemistry	8 years	Guiding 2 Ph.D. student
Dr. Sonia Khanna	Ph.D	Assistant Professor	Organic Chemistry	5 years 6 months	NIL

12. List of senior Visiting Fellows ,adjunct faculty ,emeritus professors

NIL

13. Percentage of classes taken by temporary faculty–programme – wise information

B.Sc.-17.5%

M.Sc.-25%

14. Programme –wise Student Teacher Ratio

B.Sc.: 4:1

M.Sc.: 4:1

15. Number of academic support staff(technical) and administrative staff :sanctioned , filled and actual Academic support staff(technical)

01

16. Research thrust areas as recognized by major funding agencies

NIL

17. Number of faculty with ongoing projects from a)national b)international funding agencies and c)Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

NIL

18. Interinstitutionalcollaborativeprojectsandassociatedgrantsreceived

a) National collaboration

b) International collaboration

NIL

19. Departmental projects funded by DST-FIST;UGC-SAP/CAS,DPE;DBT,ICSSR,AICTE,etc.;totalgrantsreceived.

NIL

20. Research facility/centre with

NIL

- State recognition
- National recognition
- International recognition

21. Special research laboratories sponsored by /created by industry or corporate bodies

NIL

22. Publications:

- * Number of papers published in peer reviewed journals (national/international)**

25

- * Monographs**

- * Chapters in Books**

02

- * Edited Books**

- * Books with ISBN with details of publishers**

02

- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)**

- * Citation Index–range /average**

- * SNIP**

- * SJR**

- * Impact Factor–range/average**

- * h-index**

23. Details of patents and income generated

NIL

24. **Areas of consultancy and income generated**
NIL
25. **Faculty selected nationally/internationally to visit other laboratories/institutions /industries in India and abroad**
NIL
26. **Faculty serving in**
NIL
- a) **National committees b)International committees c)Editorial Boards d)any other(please specify)**
27. **Faculty recharging strategies (UGC, ASC,refresher/orientation programs, workshops, trainingprogramsandsimilarprograms).**
Department organizes special lectures/ workshop.
28. **Student projects**
- **Percentage of students who have done in-house projects including inter-departmental projects**
 - **percentageofstudentsdoingprojectsincollaborationwithotherun iversities/industry/institute**
- NIL
29. **Awards/recognitions received at the national and international level by**
- **Faculty**
 - **Doctoral/post doctoral fellows**
 - **Students**
- NIL
30. **Seminars/Conferences/Workshops organized and the source of funding(national / international) with details of outstanding participants, if any.**
NIL
31. **Code of ethics for research followed by the departments**

>> Code of Ethics for Research should respond to a changing climate of research with the intent of:

- (i) showing due respect to all who are part of the research,
- (ii) Respecting the values of truth, fairness and open democracy,
- (iii) Upholding the integrity of a discipline, and
- (iv) Carrying out the mode of enquiry of research.

Code of Ethics for Research should strive to maintain:

- (i) The integrity of social/linguistic/medical/biological enquiry
- (ii) The freedom to research
- (iii) The freedom to publish and disseminate the results of their research.

32. Student profile programme-wise:

Name of the Programme (Refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.(hons)		2	4		
M.Sc.		15	1		

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Sc.(hons)				
M.Sc.	NA	NA	NA	16

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.
NIL

35. Student progression

Student progression	Percentage against enrolled
UG to PG	100
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurs	NA

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same university	
From other universities with in the State	50%
From universities from other States	50%
from universities outside the country	

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

01

38. Present details of departmental infrastructural facilities with regard to

a) Library

YES(CENTRAL)

b) Internet facilities for staff and students

YES(Wi-Fi + LAN)

- c) **Total number of classrooms**
02
- d) **Class rooms with ICT facility**
02
- e) **Students' laboratories**
01
- f) **Research laboratories**
01

39. List of doctoral, post-doctoral students and Research Associates

- a) **From the host institution/university**
06
- b) **From other institutions/universities**

40. Number of postgraduate students getting financial assistance from the university.
NIL

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
NA

42. Does the department obtain feedback from

- a. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**
Yes, it is discussed with individual faculty and the areas of improvement are also discussed.

- b. **Students on staff, curriculum and teaching-learning-**

evaluation and how does the department utilize the feedback?

We discuss the feedback of students for department, lab, curriculum and hence measures are taken to improve on the result of discussion.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

To include the point of improvement into the system in the coming year.

43. List the distinguished alumni of the department(maximum10)

Not yet

44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts.

Twice in a month, expert lectures are organized.

45. List the teaching methods adopted by the faculty for different programmes.

The faculty in chemistry Department are encouraged to use the latest technology available for teaching; for instance, most of the classrooms for chemistry Department are equipped with projectors, advanced audio-amplification-systems and wi-fi networks.

Every faculty member prepares a lesson plan for each course, and time to time progress is being monitored by the competent authorities.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

All faculty members maintain their course file in which they have to keep record of all the tests, assignments, quizzes given to the students in a due course of time. The file is checked by the competent authorities on regular intervals.

Feedback from the students is also considered.

47. Highlight the participation of students and faculty in extension activities.

There is a Mentor who is also a faculty member and in general he takes

one or more courses for a group of thirty students in every class. His role is to interact with students on one-to-one basis, and help them to resolve any issue which may come during the course of their study.

48. Give details of “beyond syllabus scholarly activities” of the department.

The school invites eminent guests from various fields for their expert talk.

49. State whether the programme /department is accredited /graded by other agencies? If yes, give details.
NO

50. Briefly highlight the contributions of the department in generating new knowledge , basic or applied.

- 1) Papers(on referred Journal).
- 2) Workshops & invited talks. Workshop on “Drug discovery” was organized.
Workshop on “Intellectual property rights” was organized.
- 3) Ph.D. Students- guidance
- 4) Projects- Term papers of B.Tech. M.Tech. & M.Sc. programs.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges(SWOC) of the department.

Strengths

The department has faculty members with vast experience in teaching in India and abroad. There is a healthy competition amongst the faculty members to initiate and accomplish various academic activities. Yet without a doubt it can be said that the department works as a unit as and when, it is needed.

Weaknesses

New entrants for Ph.D. courses res decreasing.

Opportunities and Challenges

The department is trying to get funding aids from Govt. of India to establish research atmosphere .

52. Future plans of the department

Apart from running the conventional courses, the department aims to run specialized courses. These courses may be helpful to motivate and develop a better understanding in cutting edge research areas. The department aims to be actively involved in current research areas. Get more funding from various funding agencies and to supervise more research students. The department also aims to collaborate with eminent faculty members from other national and international universities.