

## PROFILE OF THE DEPARTMENT

- 1. Name of the Department & its year of establishment:** CHEMISTRY UG: 1981 PG: 2005
- 2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) -** UG: MPC & BZC (EM &TM), Biotech-Microbiology-Chemistry PG: ORGANIC CHEMISTRY
- 3. Interdisciplinary courses and departments involved:** Interdisciplinary Elective – Applications of Chemistry in Agriculture, Medicine & Industry
- 4. Annual/ semester/choice based credit system:** SEMESTER SYSTEM
- 5. Participation of the department in the courses offered by other departments:** Curriculum development, Instruction and Evaluation
- 6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	3	3
Asst. Professors	7	7

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

Name	Qualification	Designation	Specialization	No. of Years of Experience
Sri. N.V. Chalapathi	M.Sc, M.Phil, B.Ed.,	Associate Prof.	Inorganic Chemistry	30
Dr.G. Ramanjaneyulu	M.Sc, Ph.D.,	Associate Prof.	Organic Chemistry	28
Sri. B. Srinivasa Rao	M.Sc, M.Phil.,	Associate Professor	Analytical Chemistry	28
Dr. M. Madhusmitha	M.Sc, Ph.D.	Asst. Prof.	General Chemistry	13
Dr. K.N. RamMohan	M.Sc, Ph.D.	Asst. Prof.	Inorganic Chemistry	11
Smt. R. Pushpalatha	M.Sc,	Asst. Prof.	Organic Chemistry	8
Smt. P. Chandrakala	M.Sc, B.Ed,	Asst. Prof.	Organic Chemistry	5
Kum. K. Thejaswini	M.Sc.,	Asst. Prof.	Organic Chemistry	1

Kum. E. Lakshmi	M.Sc,	Asst. Professor	Organic Chemistry	1
Smt. K. Ashwini	M.Sc,	Asst. Professor	General Chemistry	1

**8. Percentage of classes taken by temporary faculty – programme-wise information**

	<b>Regular-%</b>	<b>Temporary/Guest faculty-%</b>
I - Year B.Sc.,	90	10
II - Year B.Sc.,	90	10
III -Year B.Sc.,	90	15

**9. Programme-wise Student Teacher Ratio:**

B.Sc., -- 32:1

M.Sc., -- 15:1

**10. Number of academic support staff (technical) and administrative staff: Sanctioned and filled: Four**

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: NIL**

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL**

**13. Research facility / centre with:** Research centre with SK University recognition.

**14. Publications:** Six papers published/communicated

**15. Details of patents and income generated: NIL**

**16. Areas of consultancy and income generated: NIL**

**17. Faculty recharging strategies:** University Professors and senior faculty members of the other colleges are invited to deliver guest lectures for the students of U.G and P.G.

**18. Student projects:** 10% of students in-house projects including inter-departmental

**19. Awards / recognitions received at the national and international level: NIL**

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any**

- A seminar on “MODERN TRENDS IN ORGANIC CHEMISTRY” on 20-3-2010
  - Prof. K. R. Prasad, IISC, Bangalore
  - Prof. C. Suresh, National college , Bangalore
  - Prof. K.J. Rajendra Prasad, Bharathiar University, Coimbatore.
- A workshop on “RADIO CHEMISTRY AND APPLICATIONS OF RADIO ISOTOPES” on 23-10-11
  - Dr.A.V.R. Reddy, Head Analytical Chemistry division BARC, Trombay, Mumbai
  - Prof. T. Sreenivasulu Reddy, S.K.U., Anantapur.
- Six day Workshop on “RADIO CHEMISTRY AND APPLICATIONS OF RADIO ISOTOPES” from 06.10.2012 to on 11-10-2012
  - Dr. K.V. Ramakumar, President BARC, Mumbai
  - Dr.A.V.R. Reddy, Head Analytical Chemistry division BARC, Trombay, Mumbai.

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	200	63	121	85	87
M.Sc.,	SVURPGCET	11	12	82	84

**22. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,	30	66	4%	
M.Sc.,	32	64	4%	

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? CSIR (NET) QUALIFIED STUDENTS:**

- C.H.Chandrasekhar--- DEC-2010
- S. Murali Mohan Reddy---JUN-2011
- K. Anuja --- DEC-2011

#### 24. Student progression

Student progression	Percentage against enrolled
UG to PG	40
PG to M.Phil.	10
PG to Ph.D.	5
Ph.D. to Post-Doctoral	-
Employed	-
Campus selection	-
Other than campus recruitment	-
Entrepreneurs	-

#### 25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	50
from other universities within the State	30
from other universities from other States	20

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Two: 1. M.Madhu Smitha and 2. K.N. Ram Mohan

#### 27. Present details about infrastructural facilities

- Library:** 150 books
- Internet facilities for staff and students:** Internet facility for staff only
- Total number of class rooms:** U.G- 6 & P.G- 2
- Class rooms with ICT facility:** NIL
- Students' laboratories:** U.G- 3 & P.G- 3
- Research laboratories:** 1

28. Number of students of the department getting financial assistance from College:

90% of the students covered by govt. welfare scholarships/endowments/SBF

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:

M.Sc., Analytical chemistry is an important branch of chemistry and has wide applications in the fields of Industry and Research laboratories. Hence the department requested the management to start Analytical chemistry course.

30. Does the department obtain feedback from

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes, all the members of faculty attend the board of studies meeting, every academic year with the outside experts in framing the curriculum, model papers and teaching evaluation methods. The faculty is satisfied with the decision taken in the board of studies ratified by the academic council.

- **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Student feedback abstracts on staff, curriculum and teaching – learning-evaluation are collected from all the students.

- **Alumni and employers on the programmes and what is the response of the department to the same?**

Whenever the parents and the alumni met the department their suggestions are invited and the same are discussed in the Board of studies meeting. The department also tries to implement their valuable suggestions.

**31. List the distinguished alumni of the department (maximum 10)**

- Dr.C. Kesava Rao-Scientist, National Mineral Department Research Division, HYD
- Sri. B.Raghunatha Rao-- Principal, APRJC Chittoor.
- Sri. Abdul Rasool-- Lecturer, Sri Vignan Junior College, Guntur.
- Dr.K.ChandraSekhar Reddy-Associate Prof. of Physics, S.S.B.N. Degree College, A.T.P
- Kum.K. Thejaswini – Assistant Prof of Chemistry, S.S.B.N. Degree College , A.T.P.
- Raghunath Reddy-- Assistant Prof., Dept. of Computer Science, S.K.U. A.T.P.
- Prasanna Kumar-- R.D.T. in charge of Sports stadium, A.T.P.
- H. Ananda vardhan-- Assistant Prof. Dept. of Biochemistry, Dyanand Sagar Institutions , Bangalore
- M.C. Balanna-- Advocate, Notary-A.T.P.
- B. Narasimha Reddy-- Lecturer in chemistry, Govt. Degree College, Srikalahasti.

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.—**

**Special Lectures---** Prof. P. Raveendra Reddy, Prof. V. Krishna Reddy, Prof. T.Sreenivasulu Reddy and Prof. G. Narayana Swamy from S.K. University. A.T.P.

**33. List the teaching methods adopted by the faculty for different programmes.---**

- |                             |                          |
|-----------------------------|--------------------------|
| 1. Lecture method           | 2. Demonstration         |
| 3. U.G: Charts, Models, OHP | 4. P.G: Models, OHP, LCD |

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

Programme objectives are periodically reviewed in the departmental meetings. Learning outcome is monitored by conducting regular class tests and seminars.

**35. Highlight the participation of students and faculty in extension activities.**

Students are participating in N.C.C, N.S.S and other social activities.

**36. Give details of “beyond syllabus scholarly activities” of the department.— conducting a**

- A seminar on “MODERN TRENDS IN ORGANIC CHEMISTRY” on 20-3-2010
- A workshop on “RADIO CHEMISTRY AND APPLICATIONS OF RADIO ISOTOPES” on 23-10-11.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details. NIL**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :**

**Strengths**

- Experienced staff members with research experience
- Highly motivated six young and energetic staff members.
- Guest faculty from the University and other colleges.
- Well established laboratories with sufficient Infrastructural facilities.

**Weaknesses**

- Absence of replacements of grant-in-aid teachers on their retirement.
- More students to each batch for practicals.
- Problem of medium for rural students.

**Opportunities**

- Conducting increased number of seminars and workshops.
- Scope to attend and present papers in National and International Conferences.

**Challenges**

- Recharging and retaining young teachers.
- Attracting quality students with innovative teaching practices.

**39. Future plans of the department:**

- Strengthening Research Centre to widen research work scope with interdisciplinary research projects.
- Collaboration research work with local pharma industry through MOUs.