
EVALUATIVE REPORT OF THE DEPARTMENT



Department of Chemistry



- 1. Name of the Department:** Chemistry
- 2. Year of establishment:** Department of Chemistry was established in 1993 in St.Peter's Engineering College which was declared as Deemed to be University in 2008.
- 3. Is the department part of a School/ Faculty of the university**
Department of the University
- 4. Names of the Programmes offered (UG, PG, Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt etc.)**
 - M.Sc (Chemistry)
 - M.Phil (Chemistry)
 - Ph.D
- 5. Interdisciplinary programmes and departments involved**

S.No	Interdisciplinary courses	Year/Sem	Department
PG Programme			
1	114CMPE01- Chromatographic Techniques	I/I	Chemical Engineering
2	114CMPE02 - Bio-organic Chemistry	I/I	Chemical Engineering
3	214CMPE01 - Analytical techniques in Chemistry	I/II	Chemical Engineering

- 6. Courses in collaboration with other universities, industries, foreign institutions.**
Nil
- 7. Details of programmes discontinued, if any.**
Nil
- 8. Examination system with: Annual/Semester/Trimester/Choice Based credit system.**
Semester System and Choice Based Credit System (CBCS)

9. Participation of the department in the courses offered by other departments

S. No	Interdisciplinary courses for B.E./B.Tech	Year/Sem	Departments
1	113CYT04 - Engineering Chemistry I	I/I	All Branches
2	213CYT04 - Engineering Chemistry II	I/II	All Branches
3	113PCP03- Chemistry Laboratory I	I/I	All Branches
4	213PCP01/213PCP02- Chemistry Laboratory II	I/II	All Branches
5	313CST06/313ITT06/313EET04/313EIT02 Environmental Science and Engineering	II/III	CSE, IT,EEE,EIE

10. Number of Teaching posts sanctioned, Filled

	Sanctioned	Filled	Actual (including CAS & MPS)
Professors	1+1	2	2
Associate professors	-	-	-
Asst. Professors	2+3	5	5

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

S. No	Name of the faculty	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. / M.Phil. students guided for the last 4 years
1.	Dr. Sayeeda Sultana	M.Sc., M.Phil., Ph.D.	Professor & HOD	Polymer Chemistry	23 Years	Ph.D – 1 M.Phil – 14
2.	Dr. S. Ramabadraran	M.Sc., Ph.D.	Professor	Organic Synthesis	30 Years (Industry) 7 Years (Teaching)	M.Phil– 10

3.	Ms. A. Komala	M.Sc., M.Phil.,	Assistant Professor	General Chemistry	-	-
4.	Ms. A. Saleema Begum	M.Sc., M.Phil.,	Assistant Professor	General Chemistry	-	-
5.	Mr. M. Vinoth Kumar	M.Sc., M.Phil.	Assistant Professor	General Chemistry	-	-
6.	Mr.G.Raj Kumar	M.Sc., M.Phil.	Assistant Professor	General Chemistry	-	-
7.	Ms.S.Anu sha	M.Sc., M.Phil.	Assistant Professor	General Chemistry	-	-

12. List of senior visiting faculty, Emeritus professors :

- Dr. A.S. Venkatram, M.Sc., Ph.D, Senior Professor

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

- M.Sc. : 0%
- M.Phil. : 0%

14. Programme-wise Student Teacher Ratio

S.No	Program	Sanctioned strength	Student Teacher ratio
1	M.Sc. Chemistry	12+12 = 24	3:1
2	M. Phil Chemistry	35	5:1

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

	Sanctioned	Filled	Actual (incl. CAS & MPS)
Support Staff (Technical)	1	1	1
Administrative Staff	1	1	1

16. Research thrust areas as recognized by major funding agencies.

- Bio-Organic Chemistry
- Polymer Chemistry
- Nano Chemistry

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.

a) National Funding Agencies:

S.No	Name of the Investigator	Funding Agency	Title	Total Grant	Status
1	Dr. Sayeeda Sultana, Professor & HOD	Board of Research in Nuclear Sciences	Design, Synthesis and Antioxidant Studies of Novel Multi-antioxidants	Rs. 15,12,000.00	Applied

b) International Funding Agencies : Nil

c) Total Grants Received : Nil

18. Inter-institutional collaborative projects and associated grants received

a) **National Collaboration** - Nil

b) **International Collaboration** - Nil

19. Departmental projects funded by DST-FIST; DBT, ICSSR, AICTEetc; total grants received.

Nil

20. Research facility/centre with

- State recognition - Nil
- National recognition - Nil
- International recognition - Nil
- Others

The Department of Chemistry is availing the facilities of Sophisticated Analytical Instrumentation Facility (SAIF-SPU) of the University for materials characterization. The highly sophisticated spectrometers housed in

SAIF-SPU are (i) FTIR- ATR (ii) UV-Visible DRS / DTS and (iii) Photo-Luminescence Spectrometers.

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

Nil

22. Publications

a) No. of papers published in peer reviewed journals (National/International)

Year	International Journal	National Journal	International Conference	National Conference	Total
2015	1 (Accepted)	-	-	-	1
2014	-	-	-	-	-
2013	-	-	-	1	1
2012	-	-	-	-	-
2011	-	-	-	1	1
2010	-	-	-	-	-
2009	2	-	-	-	2
2008	1	-	-	-	1
Total	4	-	-	2	6

PUBLICATIONS IN INTERNATIONAL JOURNALS

2015	
1	Sayeeda Sultana, S. Ramabadrana, P.R. Swathi , Photo catalytic degradation of azo dye using ferric oxide nanoparticle, International Journal of Chemtech Research – ISSN : 0974-4290 – Accepted (SCOPUS)
2009	
2	Sayeeda Sultana , Synthesis and spectral analysis of copolyesters, International Journal of Chem. Sci., 2009, 7(3), 2165-2168. (SCOPUS)
3	Sayeeda Sultana , Synthesis and NMR analysis of copolyesters, International Journal of Chem. Sci., 2009, 7(3), 2193-2197. (SCOPUS)
2008	
4	Sayeeda Sultana , Synthesis and molecular mechanics calculation of copolyesters. International Journal of Chem. Sci., 2008, 6(4), 2202 – 2206. (SCOPUS)

PUBLICATIONS IN NATIONAL CONFERENCES

2013	
1	S. Ramabadrana, Sayeeda Sultana, R.Suganya , Efficacy of plant vetiver system (<i>Vetiveria Zizanioides</i> Monto) to treat sago industry effluent, National Conference on Scope of Advanced Materials in Energy & Environment, Aug 2013, Bengaluru, India.
2011	
2	Sayeeda Sultana , Air pollution on public health, National Conference on Urban environmental pollution and public health, St.Peter's University, Nov 2011, Chennai, India

b) **Monographs** – Nil

c) **Chapters in Books**

S.No.	Name of the Author	Name of the Chapter	Title of the Book	Publisher
1.	Dr.Sayeeda Sultana	Data Analysis	Proceedings of workshop on Research Methodology (Oct 2014)	St.Peter's University

d) **Edited Books**

S.No.	Book Name
1.	Proceedings of One Day Seminar On PG And M.Phil. Students Technical Seminar In Applied Sciences And Engineering (March 2014)
2.	Proceedings of One Day Seminar On Recent Trends In Nanotechnology(March 2015)

e) **Books with ISBN with details of Publishers**

S.No.	Name of the Author	Title of the Book	ISBN No.	Publisher
1.	Dr. Sayeeda Sultana	Engineering Chemistry – I	ISBN 978-81-910224-0-7	Professional & Technical Publishers Coimbatore 2013
2.	Dr. Sayeeda Sultana	Engineering Chemistry – II	ISBN 978-81-910224-3-8	Professional & Technical Publishers Coimbatore 2013

3.	Dr. Sayeeda Sultana	Engineering Chemistry Laboratory Manual	-	Professional & Technical Publishers Coimbatore 2013
4.	Dr. Sayeeda Sultana	Engineering Chemistry - I	ISBN 978-93-84295-00-4	R.K. Publishers Coimbatore 2014
5.	Dr. Sayeeda Sultana	Engineering Chemistry – II	ISBN 978-93-84295-01-1	R.K. Publishers Coimbatore 2014
6.	Dr. Sayeeda Sultana	Engineering Chemistry Laboratory Manual	-	R.K. Publishers Coimbatore 2014

f) **Number listed in International Database (for e.g. web of science, scopus, Humanities International complete, Dare Database –International Social sciences Directory, EBSCO host, etc) – 4**

g) **Citations– 227**

h) **SNIP - : Nil**

i) **SJR - : 0.16-0.21**

j) **Impact factor - Range /average : Nil**

k) **H-index- Nil**

l) **Total Impact factor – Nil**

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 a) National Committees b) International Committees c) Editorial Boards

a) Faculty serving in National Committees

S.No	Name of the faculty	Details
1	Dr.Sayeeda Sultana	Organizing committee member in National Conference on Recent Advances in Physics, Chennai, Feb 2008

b) Faculty serving in International Committees : Nil

c) Editorial Boards : Nil

d) Any other (please specify) : Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, Workshops, training programs and similar programs).

Year	FDP	Training Prog.	Workshops	Seminars	Conference
2015	-	2	-	-	-
2014	-	16	2	-	-
2013	-	6	3	-	-
2012	-	3	3	-	-
2011	-	-	3	-	-
2010	-	-	3	-	-

Training program details are given in table below

S.No	Name of the faculty	Program	Period	Organized by
1	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry	Assessment and Accreditation of Universities – By NAAC	09.04.2015	St.Peter's University
2	Dr. S. Ramabadran AP / Chemistry	How to Instill Quality in Technical Education – Practical Approach	01.12.2014	St.Peter's University

3	Dr. S. Ramabadran AP / Chemistry	Innovative Teaching Methodology	10.11.2014	St.Peter's University
4	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry	Nanotechnology- Technology for the future	20.06.2014	St.Peter's University
5	Dr. Sayeeda Sultana HOD Chemistry Dr. S. Ramabadran AP / Chemistry	Academic and Research program for 2014-15	18.06.2014	St.Peter's University
6	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry	New Facility materials characterization using Spectroscopy	28.04.2014	St.Peter's University
7	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry	Management of Students in present environment	21-4-14	St.Peter's University
8	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry	Awareness lecture on income tax, professional tax, provident fund and employees state insurance	07-04-2014	St.Peter's University
9	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry	Teaching Learning process	08-04-2014	St.Peter's University
10	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry	Preparing project proposals	10-04-2014	St.Peter's University
11	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry Dr. A. S. Venkatram Professor/Chemistry	Achieving academic excellence and high quality research	30-10-2013	St.Peter's University
12	Dr. Sayeeda Sultana, HOD Chemistry	Concept development for inspiring	1-10-2013	St.Peter's University

	Dr. S. Ramabadran AP / Chemistry Dr. A. S. Venkatram Professor/Chemistry	innovation		
13	Dr. Sayeeda Sultana, HOD Chemistry Dr. S. Ramabadran AP / Chemistry Dr. A. S. Venkatram Professor/Chemistry	Motivation towards Teaching	11.08.2012	St.Peter's University

Workshop

S.No.	Name of the faculty	Program	Period	Organized by
1.	Dr. Sayeeda Sultana HOD / Chemistry Dr. S. Ramabadran AP / Chemistry Dr. A. S. Venkatram Professor/Chemistry	Workshop in Research Methodology	7-04-10	Dean R&D St.Peter's University
2.	Dr. Sayeeda Sultana HOD / Chemistry Dr. S. Ramabadran AP / Chemistry Dr. A. S. Venkatram Professor/Chemistry	Workshop in Research Methodology	18-11-11	Department of Computer Applications, St.Peter's University
3.	Dr. Sayeeda Sultana HOD / Chemistry Dr. S. Ramabadran AP / Chemistry Dr. A. S. Venkatram Professor/Chemistry	Workshop in Research Methodology	19-10-12	Department of Computer Applications, St.Peter's University
4.	Dr. Sayeeda Sultana HOD / Chemistry Dr. S. Ramabadran AP / Chemistry Dr. A. S. Venkatram Professor/Chemistry	Workshop in Research Methodology	25-10-13	Department of Computer Applications, St.Peter's University
5.	Dr. Sayeeda Sultana HOD / Chemistry Dr. S. Ramabadran AP / Chemistry	Workshop in Research Methodology	16 th & 17 th October 2014	Department of Computer Applications, St.Peter's University

28. Student Projects

- **Percentage of students who have done in-house projects including inter-departmental projects**
- **Percentage of students doing projects in collaboration with other universities /industry/institute**

Year	% of In- house Projects	% of project in collaboration with other University / Industry / Institute
M.Phil Projects		
2014 - 2015	100	-
2013 - 2014	100	-
2012 - 2013	100	-
2011 – 2012	100	-
2010 - 2011	100	-

29. Awards/recognitions received at the national and international level by Faculty:

- **Awards and Recognition of Faculty : Nil**
- **Doctoral / post doctoral fellows : Nil**
- **Awards and Recognition of Students**

S.No.	Student Name & Class	Activity	Organized by	Period	Award Received
1	Ms. M. Madhula, M.Phil	Paper presentation	St.Peter's University	06.03.14	First Prize

30. Seminars/Conferences/Workshops organized and the source of funding (National/International) with details of outstanding participants, if any.

Academic Year	Seminars	Conferences	Workshops
2010-2011	1	-	-
2011- 2012	-	-	-
2012- 2013	1	-	-
2013- 2014	2	-	-
2014-2015	2	-	-
Total	6	-	-

S.No	Title of the program & period	Convenor/ Co-ordinator	National/ International	Funding Agency
1	“PG And M.Phil. Students Technical Seminar In Applied Sciences and Engineering”, 6 th March 2014	Dr. Sayeeda Sultana HOD / Chemistry	National	St.Peter's University
2	Seminar On Recent Trends In Nanotechnology 23 rd March 2015	Dr. Sayeeda Sultana HOD / Chemistry	National	St.Peter's University
3	National Science Day Celebration 11 th March 2011	Dr. Sayeeda Sultana HOD / Chemistry	National	St.Peter's University
4	National Science Day Celebration 4 th March 2013	Dr. Sayeeda Sultana HOD / Chemistry	National	St.Peter's University
5	National Science Day Celebration 12 th March 2014	Dr. Sayeeda Sultana HOD / Chemistry	National	St.Peter's University
6	National Science Day Celebration 3 rd March 2015	Dr. Sayeeda Sultana HOD / Chemistry	National	St.Peter's University

31. Code of ethics for research followed by the departments:

- Conforming to the prescribed rules and regulations of the University in the pursuit of Research.
- Self determination and relentless approach to the selected topics of research.
- Maintenance of confidentiality and diversified attempt in collection of datas.
- Confluence and interlinking of observed results for the welfare of the society paving way for the further studies.
- Observance of definite pattern in the follow up of in the preparation of synopsis and thesis.

32. Student profile programme-wise:

Name of the Programme (refer to question no.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.Phil					
2008-2009	2	1	1	100	100
2009-2010	2	1	1	100	100
2010-2011	1	-	1	100	100
2011-2012	3	2	1	100	100
2012-2013	4	1	3	100	100
2013-2014	14	9	5	100	100
2014-2015	21	9	12	100	100
M.Sc Chemistry					
2014-2016	4	1	3	Pursuing	
2015-2017	14	6	8		

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
M.Phil				
2008-2009	-	100	-	-
2009-2010	-	100	-	-
2010-2011	-	-	100	-
2011-2012	-	100	-	-
2012-2013	-	75	25	-
2013-2014	-	92	8	-
2014-2015	-	95	5	-
M.Sc Chemistry				
2014-2016	-	100	-	-
2015-2017	-	100	-	-

34. **How many students have cleared Civil services and Defense service examinations, NET, SLET, GATE and other competitive examinations? Give details category wise.**

Nil

35. **Student progression for last 5 years**

Student progression	Percentage against enrolled				
	2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG	-	-	-	-	-
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D to post –Doctoral	-	-	-	-	-
Employed					
• Campus selection	-	-	-	-	5%
• Other than campus recruitment	-	100%	75 %	77%	85%

36. **Diversity of staff.**

Percentage of faculty who are graduates	
of the same University	-
From other universities within the state	100%
From Universities from other states	-
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.**

Nil

38. **Present details of departmental infrastructural facilities with regard to**

a) **Library-** Our department has a library having,

- 50 Text books
- 4 Lab manuals
- 46 Student project reports with CDs.
- 4 Question Banks
- 1 Project kit
- NPTEL Lectures

b) Internet facilities for staff and students– Yes

- Name of the Internet Provider : NKN + BSNL
- Available Bandwidth :1 Gbps
- Computer is available in the Department.

c) Total number of class rooms – 04

d) Class rooms with ICT facility -Yes

The department has 4 PG class rooms. LCD projector and OHP facilities are available in the department. An air conditioned seminar hall to accommodate about 300 students wherein seminars, guest lectures, and department meetings are organized is also available in the block.

e) Students Laboratories

Chemistry Laboratory equipped with major analytical equipments.

f) Research Laboratories

- Existing laboratory utilised for conducting research activities.
- Nano materials – Shared with Center for Nano Technology
- SAIF research centre for spectral analysis of materials.

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

a) from the host institution/university - Nil

b) from other institutions/universities-

S. No	Registration Number	Name of the Ph.D Scholar
1	SP12CHD018	T. S. Ravichandran
2	SP14CHD001	S. Karthikeyan

40. Number of students receiving financial assistance from college, university, government or other agencies

One M.Phil. Chemistry Student (2014-15) received financial assistance from University.

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

Yes. Necessary exercises have been done when starting M.Sc., M.Phil, and Ph.D Chemistry in accordance to the provisions made by the University. The curriculum of the programmes has been designed in consultation with the all eminent scientists and scholars in subjects concerned.

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. Feedback from the faculty is utilized for

- Curriculum updation
- Teaching strategies
- Conducting seminar / extra coaching

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes. Feedback from the students at end of each semester is utilized

- To change the teaching strategies and extra coaching
- For internal evaluation
- For visiting research laboratories

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

- The alumini views on the courses are obtained and their feedback is utilized to instigate M.Sc programme.

43. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Alumini	Batch	Company/Institution	Position
1.	R. Venkatraman	2008-09	S.A.EngineeringCollege, Chennai	Assistant Professor
2.	V. Sukumar	2011-12	Government Higher Secondary School, Tindivanam	Trained graduate Teacher
3.	A. Christy Muthuselvi	2011-12	Government Higher Secondary School, Gummidipundi	Trained graduate Teacher
4.	C.Gopinath	2011-12	OPG power generation Gummidipundi	Senior Analyst
5.	B. Sangeetha	2012-13	Andal Azagar College of Engineering Chennai	Assistant Professor
6.	RiazAhamed M J	2013-14	AMS College of Engineering, Chennai	Assistant Professor
7.	S. Ramya	2013-14	Scope E Knowledge Centre Chennai	Jr. Executive
8.	P.R. Swathi	2013-14	Williams Lea Pvt. Ltd., Chennai	Jr. Executive
9.	M. Madhula	2013-14	Scope E Knowledge Centre Chennai	Jr. Executive
10.	Neelakandan D	2013-14	Vivekananda Hr. Sec. School, Uthukottai	PG Assistant

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

Details of Students enrichment programmes are given below

S.No.	Event Name	Event Date	External Experts
SPECIAL LECTURES ORGANIZED FROM 2010-2015			
1	Demo on different concepts of physics with simple experiments	03/03/2015	Dr. T.S. Natarajan, Professor, Department of Physics, Indian Institute of Technology, Madras

2	Lecture on Engineering Materials	05/03/2015	Dr. S. Ravichandran, Associate professor of Chemistry, Veltech University
3.	Lecture on Spectroscopy	05/03/2015	Dr. S. Ravichandran, Associate professor of Chemistry, Veltech University
4.	Lecture on Nanomachines	23/03/2015	Dr. A. Thangaraja, Associate Professor, Department of Bio-Technology
5.	Lecture on Scientific principles in Engineering	06/03/2014	Dr. B. Krishnan, Vice-President, Indian Spectrophysics Association
6.	Lecture on Global Warming–Detailed Studies on Chemical Impact – Synthesis and Studies of New NanoScale Chemosensors in the field of Environmental Pollutants	12/03/2014	Dr. V. Balasubramanian Dean (R&D), AMET University, Chennai
7.	Demo on Simple experiments and great achievements	12/03/2014	Dr. A. SubbiahPandi, Professor and Head, Department of Physics, Presidency College, Chennai
SEMINARS ORGANIZED FROM 2010-2015			
1	PG And M.Phil. Students Technical Seminar in Applied Sciences And Engineering,	06/03/2014	Dr.D.Velmurugan Professor and Head, Department of centre of advanced study in crystallography and biophysics, University of Madras
2	Technical Seminar on Recent Trends in nanotechnology,	23/03/2015	Dr. A. Thangaraja, Associate Professor, Department of Bio-Technology

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

- Our faculty uses the modern teaching methodologies to improve the quality of the students. They include the use of LCD projector. Using Power Point Presentations, the concepts were explained clearly.
- To enhance firsthand knowledge on the subject and to understand the concepts, videos were shown to the students.
- For theory courses, without associated practical sessions related analytical instruments are demonstrated to students.

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

- The programme objectives are met through assessment tools which include four continuous assessment tests, assignment and one end semester examination.
- The progress report has been sent to parents for every unit test and model exams.
- The slip test has been conducted for the students and class committee meeting is also conducted for improving student's performance.

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

- Students are encouraged to participate in various extension activities by joining University level NSS programme, paper presentation, sports and extra curricular activities.
- Some of the faculty members take part as co-ordinator for annual day and national science day celebration and convenor for seminars.

Students participated in extension activities like events conducted in symposium and workshops

S.No	Student Name & Class	Activity	Organized by	Period	Award Received
1	Srikalyani,CH M.Phil (2014-15)	Paper presentation	St.Peter's University	23/03/2015	Participated
2	A. Saleema Begum M.Phil (2013-14)	Paper presentation	St.Peter's University	06/03/2014	Participated
3	Madhula.M M.Phil	Paper presentation	St.Peter's University	06/03/2014	First Prize

	(2013-14)				
4	Swathi.P.R M.Phil (2013-14)	Paper presentation	St.Peter's University	06/03/2014	Participated
5.	Ramya.S M.Phil (2013-14)	Paper presentation	St.Peter's University	06/03/2014	Participated
6.	RiazAhamed M.J M.Phil (2013-14)	Paper presentation	St.Peter's University	06/03/2014	Participated

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

- Encouraging PG students to participate and present paper in Technical Seminars.
- By conducting seminars on different captions like technical seminar, National Science day celebrations and motivating the UG students, to present papers.
- The University has Anna University Edu Sat link through which students and faculty have access to the classes which are conducted once a week by senior Professors on selected subjects.

49. State whether the programme/ department is accredited /graded by other agencies? If yes, give details

The Certification Body of TUV SUD South Asia Private Limited certifies that St.Peter's University has established and applies a Quality Management System and fulfilled the ISO 9001: 2008 which is effective from 2014-06-06.

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

- PG and M.Phil students are motivated to publish their projects in journals.
- By arranging special lectures on topics like “Self motivation for Gen-Next” and “Know your heart” for students.

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

Strengths:

- Faculty members are well qualified, having very rich experience in both teaching and research.
- Devotion to research activities.
- Better teacher – student interaction.
- Achieved 100% results in semester examination in PG programme
- The department offers M.Sc., Chemistry

Weakness:

- Require more time to change the attitude of students of rural origin in the process of conceptual learning, understanding and its application in science

Opportunity:

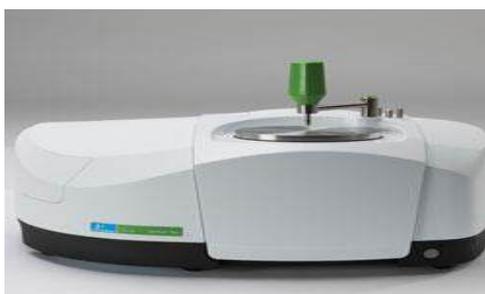
- Provides platform for more employment avenues.
- Introduction of innovative programmes on emerging thrust areas

Challenges:

- Efficient handling of Research Degree courses on par with foreign universities.
- Highly sophisticated instrumentation facilities for advanced research study.

52. Future plans of the department

- To start diversified diploma/certificate courses in chemistry such as Polymer Chemistry, Water and soil analysis.
- To have collaboration with other universities in India and abroad to take part in diversified research activities
- To start Life skill orientation programme for I BE/B.Tech students for the uplift of their career.



FTIR- ATR



UV-Visible DRS



Photo-Luminescence Spectrometer



PG And M.Phil. Students Technical Seminar In Applied Sciences And Engineering on 6.3.2014



National Science Day on 11.3.2011



National Science Day on 04.3.2013



National Science Day on 12.3.2014



National Science Day on 3.3.2015



Technical seminar on recent trends in
Nanotechnology
23.03.2015



Guest lecture on Engineering Materials
and Spectroscopic Techniques
05.03.2015



Guest Lecture on Self Motivation for Gen
Next 12.02.2014



Special Lecture on Know Your Heart
4.10.2013