

**Dr. V. S. Krishna Govt. Degree College
(Autonomous)**

Visakhapatnam-13

(Affiliated to Andhra University, Visakhapatnam)

Department of Chemistry

**Revised Syllabus for B.Sc. Chemistry under
CBCS**

Board of Studies

2022-23

Dr. V. S. Krishna Govt. Degree College (Autonomous), Visakhapatnam
Recommended Composition of the Board of Studies of chemistry and its functions
(Academic year 2022 – 2023)

Department: Chemistry
Subject: CHEMISTRY (B.Sc. Chemistry)

I Composition

MEMBER	NAME & DESIGNATION
Head of the Department (Chairman)	Dr. A V RAMESH
Faculty Members	1. Dr. Ch. S. Anuradha 2. Dr. M. Gopi 3. Smt. D. S. L. Prasanna 4. Sri. K. Nageswara Rao 5. Dr. N. Sankara Rao 6. Sri. T. Appa Rao 7. Dr. G. Lakshmana Rao 8. Sri. Ch. V. SaiKrishna 9. Sri. Y. Venkatesh 10. Dr. B. Sudhamsa Prabhakar
Subject Expert (University Nominee)	Dr. P. Srinivasa Rao, Associate Professor, School of chemistry, A.U.
Subject Experts (from outside the parent university)	Sri D Adi Narayana Lecturer in Chemistry GDC, Srikakulam (men)
	Sri S Dilleswararao Lecturer in Chemistry GDC, Tuni
Member from Industry	Sri I. Bhaskara Reddy, Plant Head, Admiron Life Sciences, Visakhapatnam.
Member from Alumni	Dr. Dr. Sathish Mohan Botsa, Research Scientist B, NCAOR, Goa
Coordinator, IQAC	Dr. Ch. Lalitha, Lecturer in Micro Biology
Coordinator, Academic Council	Dr. P. Latha, Lecturer in Physics
Chairperson, Academic Council	Dr. I. Vijaya Babu Principal

II. Term.

The term of the nominated members shall be two years.

III. Meeting

The Principal of the College shall draw the schedule for meeting of the Board of Studies for different Departments. The meeting may be scheduled as and when necessary but at least once a year.

IV. Functions

The Board of Studies of a Department in the College shall:

- a) Prepare syllabus and various courses keeping in view the objectives of the College interest of the stakeholders and national requirement for consideration and approval of the Academic Council.*
- b) Suggest methodologies for innovative teaching and evaluation techniques.*
- c) Suggest panel of names to the Academic Council for appointment of examiners.*
- d) Coordinate research, Teaching, Extension and other academic activities in the Department/College.*

Dr. V. S. Krishna Govt. Degree College (A)

Department of Chemistry

Minutes of board of studies (BOS) meeting 2021-22 on 30. 09. 2022 at 3.00 PM

In pursuance of conferment of Autonomous status to Dr. V. S. Krishna Govt. Degree College (A), Visakhapatnam by the UGC vide letter No. F22-1/2011(AC) dated 20.07.2011 from Dr. Manju Singh, Joint Secretary, UGC, New Delhi and Proceedings No. C-II (1) / Dr. V S Krishna College (A)/ 2022 dt.03.08.2022 of The Vice-Chancellor, Andhra University, Visakhapatnam, the 8th Board of Studies in Chemistry Subject is conducted on 30. 09. 2022 through offline at Dr. V. S. Krishna Govt. Degree College (A), at 3.00 PM.

Venue: Conference Hall, Dt: 30. 09. 2022, Friday – 3.00 PM.

Dr. A. V Ramesh, H O D Dept. of chemistry, University Nominee Dr. P. Srinivasa Rao, Associate Professor, School of chemistry, A.U., Subject Expert (i) Sri D Adi Narayana, Lecturer in Chemistry, GDC, Srikakulam (men), ii) Sri S Dilleswara Rao, Lecturer in Chemistry, GDC, Tuni, **Member from Industry** Sri I. Bhaskara Reddy, Plant Head., Admiron Life Sciences Pvt. Ltd., Visakhapatnam., **Member from Alumni** Dr. Dr. Sathish Mohan Botsa, Research Scientist B, NCAOR, Goa, Coordinator- IQAC, Dr. Ch. Lalitha, Lecturer in Micro Biology, **Coordinator, Academic Council** Dr. P. Latha, Lecturer in Physics, **Chairperson, Academic Council** Dr. I. Vijaya Babu, Principal, and all the faculty members of Chemistry Department attended the meeting.

Agenda:

- To discuss the Semester System and Choice Based Credit System (CBCS) being implemented for the past 07 years, i.e., w.e.f. 2015-16.
- To discuss and approve the Continuation/Modifications of the syllabus for the Odd & Even Semesters of I, II & III Years for 2022-23.
- Grant of Extra credits for Online SWAYAM MOOCs etc.
- Syllabus, Model Question Papers and Model Blue Prints for I, II, III, IV, V and VI Semesters.
- Teaching learning methodology by 75:25 (External: Internal) ratio for the present I, II- and III- Year Students w.e.f. 2022-23 as per C I A SOP issued by APCCE.
- Panel of paper setters and examiners.
- Proposals for Community Service Projects/Extension activities for the benefit of the society.
- Department action plan for 2021-22.
- To discuss and resolve the minor modifications/refinement if any, in the Chemistry cluster electives CI, CII & CIII as majority of the students opting this cluster as their choice.

Any Other Proposal with the Permission of the Chairman.

Resolutions:

The following agenda items are discussed and resolutions are made:

- 1) To continue the Revised Choice Based Credit System as per the staff council proceedings for the academic year 2022 – 2023 for Semester I, II, III, IV, V and VI of B. Sc Chemistry students.
- 2) To implement guidelines of academic council and adopt NEP – 2020.
- 3) To approve and implement the newly framed syllabus approved by the B.O.S. for the B. Sc. Degree course in Chemistry with effect from academic year 2022 – 2023. The newly framed syllabus is oriented in such a way that it caters the needs of the students and to meet the present-day employability and to develop professionalism and enhance skills in the field of chemistry.
- 4) To approve and ratify the syllabus of B. Sc. Degree Chemistry for the 2021-22 admitted batch.
- 5) To approve and ratify the 5th, 6th semester syllabus of B. Sc. Degree Chemistry for the 2020-21 admitted batch.
- 6) To continue the semester mode pattern of examinations for Semester I, II, III, IV, V and VI students of the existing B.SC CHEMISTRY. Further it is approved and ratified syllabus, blue print and the model question papers submitted by the concerned faculty members for Semester I, II, III, IV, V and VI.
- 7) To approve the continuous internal assessment pattern in accordance with SOP issued by APCCE.
- 8) To approve and ratify value-added certificate course for the academic year 2022-23 and also To approve and ratify new employability and skill-based programmes from 2022-23.
- 9) To approve and ratify life skill courses, skill development courses for the 1st and 2nd year students (B.A., B.Com. and B.Sc.) Chemistry and B.Sc Chemistry minors for Physics.
- 10) To approve and ratify Community Services Project at the end of II semester and internship -1 at the end of IV semester for 2022-23. And also approve and ratify the internship during 6th semester.
- 11) To approve and ratify question paper blue print which is prepared based on bloom's taxonomy, model question papers for 75 external marks and 25 internal marks for core courses.
- 12) To approve and ratify blue print which is prepared based on bloom's taxonomy and the model question papers for 50 external marks for life skill and skill development courses.
- 13) To approve and ratify list of external examiners.
- 14) To approve suggestions for innovative teaching based on pedagogy and evaluation techniques.
- 15) To approve suggestions for student seminars, workshops and student-centered activities.
- 16) To approve suggestions for research and extension activities or start-ups.
- 17) To encourage students to take up independent research projects at their level by providing facilities.
- 18) To adopt NAAC norms by introducing quality circles among student communities.
- 19) To develop infrastructure facilities, lab facilities in the department and implement guidelines of the academic council.

- 20) To take up ICT mode of teaching and evolve techniques that are easily understood by the students and conduct remedial coaching to the slow learners.
- 21) To encourage students to join JKC to equip with communication and interview skills and improve their personality development.
- 22) To encourage students to participate in the community development activities such as Haritha Krishna Eco Club, Red Ribbon Club, NCC and NSS.

Signatures of the members

MEMBER	NAME & DESIGNATION	SIGNATURE
Head of the Department (Chairman)	Dr. A V RAMESH	A.v. Ramesh
Faculty Members	1. Dr. Ch. S. Anuradha	Ch. S. Anuradha
	2. Dr. M. Gopi	M. Gopi
	3. Smt. D. S. L. Prasanna	S. L. Prasanna
	4. Sri. K. Nageswara Rao	K. Nageswara Rao
	5. Dr. N. Sankara Rao	N. Sankara Rao
	6. Sri. T. Appa Rao	T. Appa Rao
	7. Dr. G. Lakshmana Rao	G. Lakshmana Rao
	8. Sri. Ch. V. SaiKrishna	Ch. V. SaiKrishna
	9. Sri. Y. Venkatesh	Y. Venkatesh
	10. Dr. B. Sudhamsa Prabhakar	B. Sudhamsa Prabhakar
Subject Expert (University Nominee)	Dr. P. Srinivasa Rao, Associate Professor, School of chemistry, A.U.	P. Srinivasa Rao
Subject Experts (from outside the parent university)	Sri D Adinarayana Lecturer in Chemistry GDC, Srikakulam (men)	D. Adinarayana
	Sri S DilleswaraRao Lecturer in Chemistry, GDC, Tuni	S. Dilleswara Rao
Member from Industry	Sri I. Bhaskara Reddy, Plant Head, Admiron Life Sciences, Visakhapatnam.	I. Bhaskara Reddy
Member from Alumni	Dr. Sathish Mohan Botsa, Research Scientist B, NCAOR, Goa	S. Mohan Botsa
Coordinator, IQAC	Dr. Ch. Lalitha, Lecturer in Micro Biology	Ch. Lalitha
Coordinator, Academic Council	Dr. P. Latha, Lecturer in Physics	P. Latha
Chairperson, Academic Council	Dr. I. Vijaya Babu Principal	I. Vijaya Babu