

**SGK GOVERNMENT DEGREE COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**ANNUAL DEPARTMENTAL PLAN 2024 - 2025**

<b>S.No.</b>	<b>Name of the Programme</b>	<b>Expected Date/Month</b>	<b>Remarks</b>
1	Semester Curriculum Plan	First week of the Semester @July 2024	Curriculum plans will be prepared by faculty.
2	Teaching Synopsis	@Monthly (start of each unit)	Synopsis will be prepared for each unit.
3	Teaching Diary	5th - 7th of Every Month	Teaching diary will be maintained and submitted.
4	Bridge Course	2nd week of July & August	Bridge course for first-year students.
5	Student-Centric Practices (e.g., Collaborative Learning, Peer Group Learning)	August 2024 – March 2025	Peer learning and micro-teaching activities.
6	Implementation of Certificate Courses	Sep-26	Course on Green Organic Chemistry Techniques.
7	Internal Examinations / Preparation of Question Bank & Papers	September 2024 & February 2025	Question papers prepared as per IQAC format.
8	Innovative Teaching–Learning Practices	1. Interactive simulations 2. Think-pair-share model	Interactive simulations and Think-Pair-Share.

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9	Invited Lectures by Faculty in Other Institutions	September & November 2024	Faculty will deliver guest lectures.
10	Attending BoS in University / Other Colleges	July–August 2024	Faculty participation in BoS meetings.
11	University Exams Result Analysis	AY 2023–24 result: 78 % pass rate Target for 2024–25: ≥85% Within two days after results declaration	Result analysis and improvement plan.
12	Continuous Internal Assessment (CIA)	Report of CIA-I and II submitted; includes performance analysis	CIA performance analysis report.
13	Organizing Workshops / Seminars / IPR	National Workshop on “Sustainable Organic Reactions” @November 2024	Workshop on Sustainable Organic Reactions.
14	Attending Seminars/Workshops & Presenting Papers / Chairing Sessions	Proposal for textbook on “Green Chemistry Lab Manual” @December 2024	Faculty participation and paper presentations.
15	Paper Publications	Minimum two per faculty (UGC CARE-listed journals)	Minimum two publications per faculty.
16	Book Publications	Proposal for textbook on “Green Chemistry Experiments” submitted	Proposal for chemistry textbook submission.
17	Capacity Building (Workshops for Faculty & Non-Teaching Staff)	ICT Training Workshop on Molecular Modeling 3D	ICT training on 3D molecular modeling.

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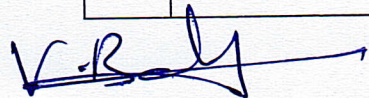
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18	Department MoUs	MoU signed with Vinukonda Pharma Labs	Collaboration with Vinukonda Pharma Labs.
19	Consultancy Services	Paid consultancy: Water analysis & Soil nutrient testing	Water and soil analysis services.
20	Extension & Outreach Programmes	Chemistry Awareness Programme with NGO "Green Earth" in local schools	Chemistry awareness in local schools.
21	Green Initiatives & Water Conservation	Campus-wide "Plastic-Free Labs" initiative @December 2024	Plastic-free chemistry laboratory initiative.
22	Contribution to Cross-Cultural Issues	Talk on "Global Environmental Challenges and Chemistry" @January 2025	Talk on environmental challenges.
23	Organizing Literary & Cultural Events	Chemistry-themed Essay & Debate Contest @February 2025	Chemistry-based essay and debate contest.
24	Faculty Forum (FF)	Dr. K.V.S. Koteswarao = "Chemistry in Daily Life" Mr. V. Bala Yesu: "Eco-friendly Solvents"	Faculty presentations on chemistry topics.
25	Student Seminars	10 topics allotted; List of students details (enclosed)	Seminar presentations by students.

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26	Study Projects	Study Project on "Solvent Recovery Methods" & "Green Esterification" @December 2024	Projects on solvent recovery and green esterification.
27	Quiz Programmes	Subject Quiz (Dec), General Life Chemistry Quiz (Mar) @December 2024 & March 2025	Subject and general chemistry quiz.
28	Ward Counselling	III B.Sc – Friday 2 PM II B.Sc – Wednesday 11 AM @Ongoing – Monthly	Regular counselling for students.
29	Guest Lectures in the College	Guest Talk: "Career Opportunities in Organic Chemistry" @January 2025	Talk on careers in organic chemistry.
30	Coaching for Employment / Career Counselling	Session: "Job Readiness & CV Building" @February 2025	Job readiness and CV building session.
31	Coaching for PG Entrance	Regular weekend classes + monthly mock tests @October 2024 – March 2025	Weekend coaching and mock tests.
32	Publications	Target: 6 publications (UGC CARE / Scopus indexed) @July 2024 – March 2025	Target of six research publications.
33	Departmental Activities	Five Activities: Poster, Quiz, Workshop, Alumni Talk, Exhibition @August 2024 – March 2025	Poster, quiz, workshop, alumni talk, exhibition.

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34	Best Practices	“Digital Lab Notebooks” & “Research Buddy System” @December 2024	Digital lab notebooks and research buddy system.
35	Remedial Coaching	For slow learners – schedule submitted @November 2024 – March 2025	Special classes for slow learners.
36	Student Progression	Last year PG progression: 35% Expected: 75% this year	Increase PG progression to 75%.
37	PPTs & YouTube Videos	Topic-wise videos on TLC, Green Catalysis, Retrosynthesis	Digital content on key chemistry topics.
38	Use of Computer Lab / LCD Projector	Digital classes for spectroscopy and retrosynthesis topics	Digital teaching using projector.
39	Online Courses (SWAYAM, MOOCs, NPTEL, Coursera, etc.)	Interdisciplinary MOOC on “Eco-Friendly Organic Methods” (4 quadrants) @January 2025	MOOC on eco-friendly organic methods.
40	Use of Library & E-Resources	Access through ONOS, NLIST, DELNET, and e-journals encouraged @Weekly (ongoing)	Use of NLIST, DELNET and e-journals.
41	E-Content Generation (Four Quadrants)	Topic: “Baeyer-Villiger Oxidation” – 4 Quadrant format @February 2025	Four-quadrant e-content preparation.



Lecturer In: .....  
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**VINUKONDA - 522647, Palnadu Dt., A.P.**



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**IQAC COORDINATOR**  
**SGK GOVERNMENT DEGREE COLLEGE**  
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**PRINCIPAL**  
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