

SGK GOVERNMENT DEGREE COLLEGE
DEPARTMENT OF CHEMISTRY
ANNUAL DEPARTMENTAL PLAN 2025 - 2026

S.No.	Name of the Programme	Expected Date/Month	Remarks
1	Semester Curriculum Plan	First week of the Semester @July 2025	Curriculum plans will be prepared by faculty for each subject.
2	Teaching Synopsis	@Monthly (start of each unit)	Synopsis will be prepared for each topic.
3	Teaching Diary	5 th - 7 th of Every Month	Teaching diary will be maintained and submitted.
4	Bridge Course	2 nd week of July & August	Bridge course for first-year vocational stream students.
5	Student-Centric Practices (e.g., Collaborative Learning, Peer Group Learning)	August 2025 – March 2026	Peer learning and student micro-teaching activities.
6	Implementation of Certificate Courses	Sep-25	Certificate course on “Green Organic Chemistry Techniques.”
7	Internal Examinations / Preparation of Question Bank & Papers	September 2025 & February 2026	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 method.
9	Invited Lectures by Faculty in Other Institutions	Faculty to deliver guest lectures in allied colleges September & November	Faculty will deliver guest lectures in allied colleges.

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10	Attending BoS in University / Other Colleges	July–August 2025	Participation in Board of Studies meetings.
11	University Exams Result Analysis	AY 2024–25 result: 82 % pass rate Target for 2025–26: $\geq 90\%$ Within two days after results declaration	Previous pass rate: 82%; Target for 2025–26: $\geq 90\%$.
12	Continuous Internal Assessment (CIA)	Report of CIA-I and II submitted; includes performance analysis	CIA performance analysis report submission.
13	Organizing Workshops / Seminars / IPR	National Workshop on “Organic Synthesis using Eco-solvents” @November 2025	Workshop on “Organic Synthesis using Eco-Solvents.”
14	Attending Seminars/Workshops & Presenting Papers / Chairing Sessions	Proposal for textbook on “Synthetic Organic Chemistry” @ December 2025	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 “Synthetic Organic Chemistry” submitted	Proposal for textbook on “Synthetic Organic Chemistry.”
17	Capacity Building (Workshops for Faculty & Non-Teaching Staff)	ICT Training Workshop on 3D Molecular Orientation	ICT workshop on 3D Molecular Orientation Tools.
18	Department MoUs	MoU signed with Natco Chemicals Pvt. Ltd.”	MoU with Natco Chemicals Pvt. Ltd.

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19	Consultancy Services	Paid consultancy: Water analysis and Soil analysis	Water and soil analysis consultancy services.
20	Extension & Outreach Programmes	Clean Chemistry Drive with NGO "Green World" in local schools	Clean Chemistry Drive with NGO Green World.
21	Green Initiatives & Water Conservation	Campus-wide "Zero Plastic" lab initiative @December 2025	Zero Plastic Laboratory Campaign.
22	Contribution to Cross-Cultural Issues	Talk on "Global Sustainability Goals and Chemistry" @ January 2026	Talk on Global Sustainability Goals and Chemistry.
23	Organizing Literary & Cultural Events	Chemistry-themed poetry & debate contest @February 2026	Chemistry-themed poetry and debate competition.
24	Faculty Forum (FF)	Dr. K.V.S. Koteswarao = Chemistry in Everyday Life Mr. V. Bala Yesu: Daily observations on natural solvents	Faculty presentations on chemistry topics.
25	Student Seminars	10 topics allotted; List of students details (enclosed)	Seminar presentations by students.
26	Study Projects	Study Project on "Green Esters" and "Solvent Recovery" @December 2025	Projects on Green Esters and Solvent Recovery.
27	Quiz Programmes	Subject Quiz (Dec), General Life Chemistry Quiz (Mar) @December 2025 & March 2026	Subject quiz and general chemistry quiz.

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28	Ward Counselling	III B.Sc – Friday 2 PM II B.Sc – Wednesday 11 AM @Ongoing – Monthly	Counselling for II & III B.Sc students.
29	Guest Lectures in the College	Guest Talk: “Industrial Careers in Organic Chemistry” @January 2026	Lecture on Industrial Careers in Organic Chemistry.
30	Coaching for Employment / Career Counselling	Session: “Job Readiness & Resume Building” @ February 2026	Session on Job Readiness and Resume Building.
31	Coaching for PG Entrance	Regular weekend classes + monthly mock tests @October 2025 – March 2026	Weekend coaching and mock tests.
32	Publications	Target: 6 publications (UGC CARE / Scopus indexed) @July 2025 – March 2026	Target of 6 research publications.
33	Departmental Activities	Five Activities: Poster, Quiz, Workshop, Alumni Talk, Exhibition @August 2025 – March 2026	Poster presentation, quiz, workshop, alumni talk, exhibition.
34	Best Practices	“e-Lab Notebooks” and “Research Buddy Program” @December 2025	e-Lab Notebooks and Research Buddy Programme.
35	Remedial Coaching	For slow learners – schedule submitted @November 2025 – March 2026	Special classes for slow learners.
36	Student Progression	Last year PG progression: 40% Expected: 80% this year	Increase PG progression from 40% to 80%.

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37	PPTs & YouTube Videos	Topic-wise videos on TLC, Retrosynthesis, Green Catalysis	Videos on TLC, retrosynthesis and green catalysis.
38	Use of Computer Lab / LCD Projector	Digital classes for spectroscopy and retrosynthesis topics	Digital classes for spectroscopy and retrosynthesis.
39	Online Courses (SWAYAM, MOOCs, NPTEL, Coursera, etc.)	Interdisciplinary MOOC on "Eco-Friendly Organic Methods" (4 quadrants) @January 2026	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 ONOS, NLIST, DELNET and e-journals.
41	E-Content Generation (Four Quadrants)	Topic: "Baeyer-Villiger Oxidation" – 4 Quadrant format @February 2026	E-content on Baeyer-Villiger Oxidation.

K.V.S. Kotam

Lecturer In:
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