

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”

शि.म.डॉ.बापूजी साळूंखे

श्री स्वामी विवेकानंद शिक्षण संस्था, कोल्हापूरचे

**Dattajirao Kadam Arts, Science & Commerce College,
Ichalkaranji.**

P G Department of Chemistry

Date: 24/07/2025

NOTICE

All the M.Sc.I & II (Chemistry) students are here by informed that, Department of chemistry organized **“Orientation Programme Of M.Sc I & II”** students on Friday, 28/07/2025 to 02/08/2025. All students should remains present at seminar hall. Programme Schedule is listed below .



A handwritten signature in blue ink, appearing to be "Dr. D. A. Kumbhar".

(Dr. D. A. Kumbhar)

HEAD,
Department of Chemistry,
Dattajirao Kadam Arts, Science
& Commerce College,
ICHALKARANJI.

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“Orientation Programme Schedule”

Date- 24/07/2025

Date	Time	Name of Topic	Resource Person
28/07/2025	12.00Pm – 12.45pm	Periodic Table and Atomic Structure	Dr. A. A. Patravale
	12.45pm- 01.30Pm	Basics in Analytical Chemistry, Chromatography	Mr. R. P. Bharsat
29/07/2025	12.00Pm – 12.45pm	Acids, Bases & Reactive Intermediates	Dr. S. V. Mulik
	12.45pm- 01.30Pm	Retrosynthesis	Dr. D. A. Kumbhar
30/07/2025	12.00Pm – 12.45pm	Fundamentals in Organic Chemistry & Stereochemistry	Miss. S. S. Pujari
	12.45pm- 01.30Pm	Concentration terms, solution preparation & Instrumentation Techniques	Miss. S.B. Fadtare
31/07/2025	12.00Pm – 12.45pm	Terms in Thermodynamics and Chemical Kinetics	Dr. D. J. Sutar
	12.45pm- 01.30Pm	Reaction Intermediate and Protection of Functional Group	Mr. P. A. Giri
01/08/2025	12.00Pm – 12.45pm	Name Reactions and reagents in Organic Synthesis	Dr. A. A. Yadav
	12.45pm- 01.30Pm	Co-ordination Chemistry & Gravimetric analysis	Miss. P. V. Mane
02/08/2025	12.00Pm – 12.45pm	Introduction to Spectroscopy (UV, IR, NMR, Mass)	Dr. V.V. Gawade
	12.45pm- 01.30Pm	Introduction to Research Methodology	Dr. V. B. Shinde



(Dr. D. A. Kumbhar)

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Dattajirao Kadam Arts, Science
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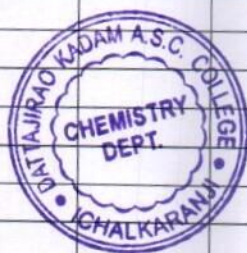
- शिक्षणमहर्षि 'डॉ. बापूजी साळुंखे'

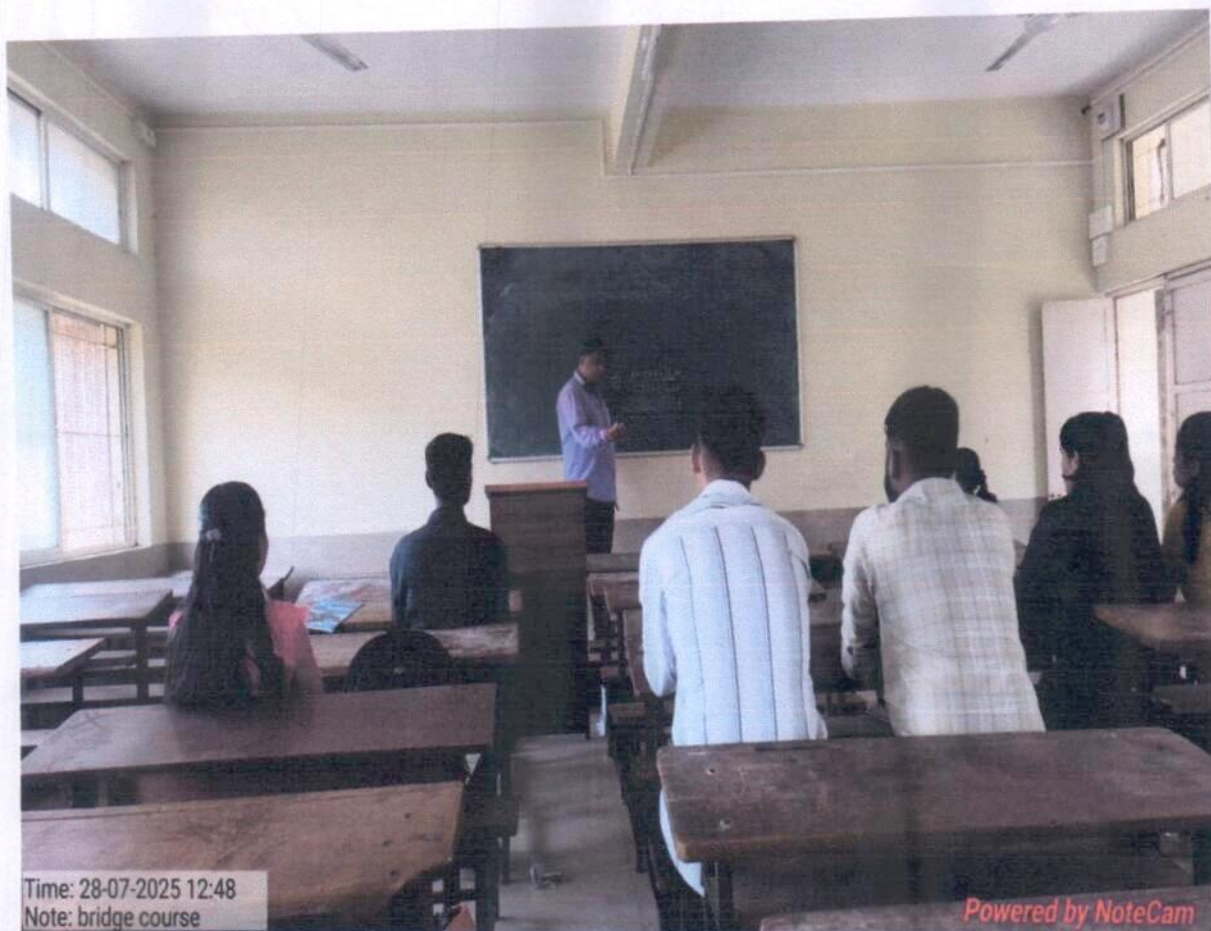
Department of Chemistry

Attendance

Orientation Programme

28/07/2025

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M.Sc-I (Org.Chemistry) Orientation Programme

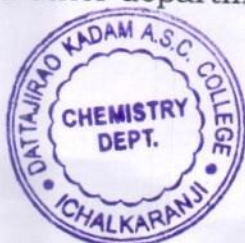


D.K.A.S.C. College, Department of Chemistry

REPORT ON ORIENTATION PROGRAMME M.Sc.-I Organic Chemistry

The Department of Chemistry organized an Orientation Programme for M.Sc.-I students of Organic Chemistry with the objective of introducing students to the fundamental concepts, scope, and academic requirements of postgraduate organic chemistry. The programme was conducted to help students make a smooth transition from undergraduate to postgraduate-level learning. The programme began with a brief introduction to the scope and importance of Organic Chemistry in areas such as pharmaceuticals, polymers, agriculture, dyes, food chemistry, and chemical industries. The students were familiarized with the basic concepts required for understanding advanced organic chemistry.

The session focused on important fundamentals such as chemical bonding, hybridization, electronegativity, resonance, inductive effect, hyperconjugation, acidity and basicity, and the stability of reactive intermediates. Special emphasis was given to the structures and properties of carbocations, carbanions, free radicals, and carbenes. The students were also introduced to the basics of organic reaction mechanisms, including nucleophilic and electrophilic reactions. The importance of IUPAC nomenclature, stereochemistry, functional groups, isomerism, and reaction representation using curved-arrow mechanisms was discussed. Students were encouraged to revise their undergraduate concepts thoroughly, as these fundamentals form the basis for understanding advanced topics in M.Sc. Organic Chemistry. The programme also highlighted the importance of laboratory skills, safety practices, scientific literature, regular study, problem-solving, and analytical thinking. Students were guided on how to approach organic chemistry through mechanisms rather than memorization. The faculty members encouraged students to actively participate in lectures, practical sessions, seminars, and other departmental activities.




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