

**KONGUNADU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)**

**DEPARTMENT OF CHEMISTRY**

**ACTIVITIES CONDUCTED**

**UNDER**

**DBT STAR COLLEGE SCHEME- 2022-2023**

**HANDS ON TRAINING**



S. No.	Name of the event/ Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1	Hands-on Training on Solution Preparation Phase - I	30.07.2022	Dr. S. N. Karthick, Assistant Professor, Department of Chemistry, Bharathiyar University, Coimbatore - 46	44 Students + 6 Faculty members	Students learnt various solution preparation methods and came to know about laboratory safety
2	Hands on training on solution preparation skill and Lab awareness	29.08.2022	Dr. A. Murugesh, Assistant Professor of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.	61 Students (I B. Sc and II B.Sc. chemistry), 8 teaching and 3 non-teaching faculty members	Students learnt various solution preparation methods and came to know about laboratory safety
3	Hands on Training on Solution Making	28.10.2022	Dr. A. Murugesh, Assistant Professor of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore	Students -58 - (II B.Sc, Botany, Biochemistry, Physics) Faculties -4, Lab assistants-3 Total-65	Students learnt to prepare solutions of various strengths.

4	Hands on Training on Phytochemical extraction techniques	12.01.2023	Dr. T. Suresh, Assistant Professor, Department of Chemistry, Bharathiar University, Coimbatore.	III B. Sc Chemistry students – 40 III B. Sc Chemistry students – 18 Faculties from chemistry - 4 Total - 62	Students learned to isolate the Phytochemical compound from plant extraction and various chromatographic techniques
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#### WORKSHOP ORGANIZED

S. No.	Name of the event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1	Workshop on Microscale Experiments Techniques in Chemistry	18.02.2023	Dr. S. Murugan, Former Head, Department of Chemistry, S. T. Hindu College, Nagercoil.	I-Year B. Sc Chemistry students – 39, II-Year Chemistry students- 26 Faculties from the chemistry- 4 Total- 69	The students are exposed to reduced amounts of chemical hazards. Less waste (including toxic or harmful by-products) is generated. Moreover, processes will take place much faster so that even the slower organic syntheses will become available as student experiments. Demonstration experiments can become student lab experiments without causing an increase in the amount of chemicals used.

### INVITED LECTURES

S. No.	Name of the event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1	Invited Lecture on Principles of Electrochemistry	27.10.2022	Dr. G. Raja, Assistant Professor, Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.	70 Students, 8 Faculties, Scholars-2 Total - 80	Electrochemical concepts and their basics were understood.
2	Chemical safety and Awareness program	31.10.2022	Dr. V. Mahalingam, Founder, Director, QualiGrafe Author Services Pvt. Ltd., Coimbatore.	All Chemistry Students-99, II-year allied chemistry, students from Department of Physics and Botany- 26 lab assistants –14 Faculties from chemistry-8, Total-147	Students, faculties and lab assistants came to know about the hazardousness of various chemicals and their safer usage methods. Dos and donts in the laboratories were given. First aid measures for various chemical accidents were learnt.
3	Futuristic trends and opportunities in Chemical science	06.01.2023	Dr.V.Sivakumar, Assistant Professor, Department of Chemistry, Sri Vasavi College, Erode – 638 316	71 Students (II B. Sc and III B. Sc Chemistry-), 8 teaching and 3 non-teaching faculty members	Students learnt opportunities in the field of chemical science and attained divergent thinking and

					scientific temper which strengthen scientific attitude.
4	Recent concepts and application in Pharmaceutical Chemistry	06.02.2023	Dr. R. Nandhakumar, Professor, Department of Chemistry, Karunya Institute of Technology and Sciences, Coimbatore.	II B. Sc Chemistry – 18, III B. Sc Chemistry – 30, II B. Sc Biochemistry - 6 Faculties from chemistry-4 Total - 58	Student understand the pharmacological actions of different categories of drugs, study in detailed about mechanism of drug action at organ system/ sub cellular/ macromolecular levels and understand the application of basic pharmacological knowledge in the prevention and treatment of various diseases.
5	Recycling of Chemical waste – National pollution control day event	14.02.2023	Dr.M.Rajkumar, Professor, Department of Environmental science, Bharathiar University, Coimbatore - 46.	58 Students (III B.Sc, II B.Sc. Chemistry) 7 Faculty	Students learnt about various how to recycle chemical waste and Industrial effluents.

### EXHIBITION / COMPETITIONS CONDUCTED

S. No.	Name of the event/Activity	Date	Number of Beneficiaries	Outcome
1	Inter Departmental poster Making Competition	31.03.2023	113 Students (I B.Sc, II B.Sc. and III B.Sc. chemistry-) + 24 students from other departments. 8 teaching and 3 non-teaching faculty members.	Students learnt ideas about sustainable development goals and chemistry in day today life and effect of pollutants.
2	National Science Day-Intra Departmental Scientific Model Making Competition	27.02.2023	108 Students (I B.Sc, II B.Sc. and III B.Sc. chemistry)	Students learnt various simple methods of making models

### TRAINING COURSES CONDUCTED

S. No.	Name of the event/Activity	Date	Resource Person	Number of Beneficiaries	Outcome
1	IN-SERVICE TRAINING FOR SCHOOL TEACHERS - Teaching Learning Methodologies Raising Scientific Aptitude	25.01.2023	Dr. V. Sangeetha, Dr. M. S. Sivaramkumar, Dr. R. Manimekalai, Assistant Professor, Department of Chemistry, Kongunadu Arts and Science College Coimbatore - 29	20 teachers	School Teachers learnt about teaching learning methodologies and scientific aptitude
2	IN-SERVICE TRAINING FOR SCHOOL TEACHERS – Exploring Science and Technology for Nation Building	07.02.2023	Dr. V. Sangeetha, Dr. M. S. Sivaramkumar, Dr. R. Manimekalai, Assistant Professor, Department of Chemistry, Kongunadu Arts and Science College, Coimbatore - 29	20 teachers	School Teachers learnt about teaching learning methodologies and scientific aptitude

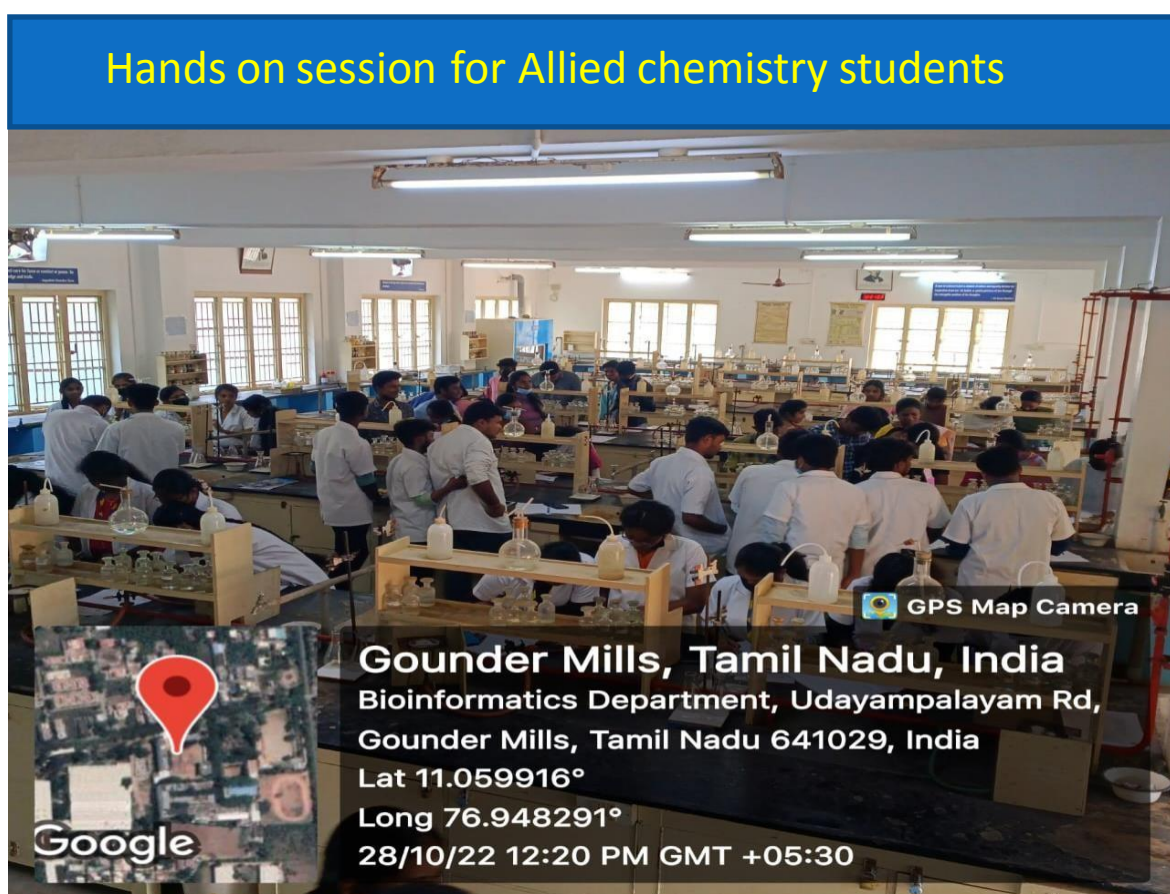
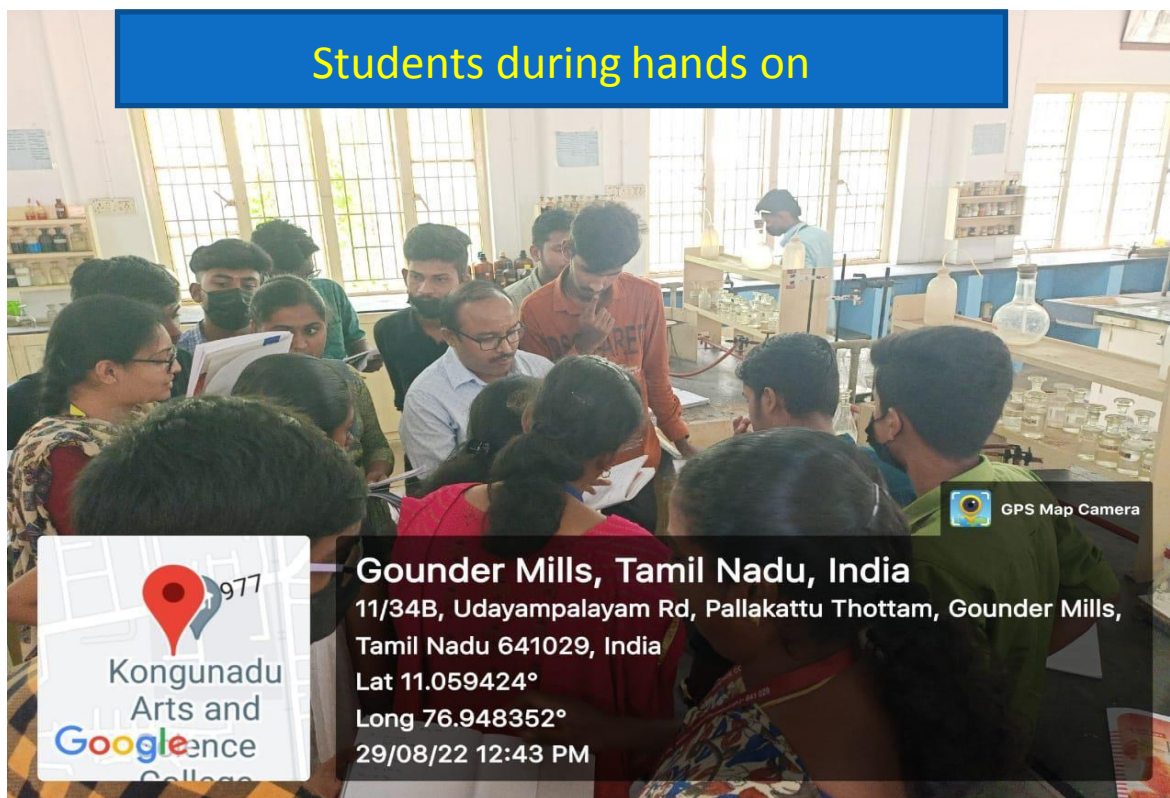
3	FACULTY DEVELOPMENT PROGRAMME (FDP)	14.03.2023	<p>1. Dr. S. Ponnuswamy, Associate Professor &amp; Head, PG and Research Department of Chemistry, Government Arts college (Autonomous), Coimbatore – 18</p> <p>2. Dr. Mohamad Nurcholis, Assistant Professor, Department of Food Science and Biotechnology, Brawijaya University, Indonesia</p> <p>3. Dr. Wahyunanto Agung Nugroho, Assistant Professor, Department of Biosystem Engineering, Brawijaya University, Indonesia</p>	49 Faculty members	The participants understand new methods in Teaching and Learning process.
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#### OUTREACH / EXTENSION ACTIVITIES

S. No.	Name of the event/Activity	Date	Resource Person	Beneficiaries of the activity	Outcome
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1	Awareness program on Familiarization of Science Education of School students jointly organised by Department of Physics, mathematics, Computer Science and Chemistry	10.02.2023	Dr. S. Paulsamy, Dean R&D, Kongunadu Arts and Science College, Coimbatore.	43	Futuristic trends of science education
2	Training Programme on Soap and Sanitizer Making for Self Help Group	25.03.2023	Mrs. A. Bhuvanewari, Soap Maker, Love Little Soaps - Skin Care Service, Saravanampatti, Coimbatore.	Participants - 09; Faculties -1; Total- 10	Participants learnt the preparation skill
3	Safe and Proper Usage of Pesticides and Fertilizers	04.02.2023	Dr. E. Jayanthi, Assistant Professor, Department of Chemistry, Kongunadu Arts and Science College, Coimbatore	27 farmers/Farm workers	They got to know the side effects and diseases and chronic illness caused by pesticides and alteration in soil property and eradication of useful microbes

## PHOTO GALLERY





## Bharathiar University , Research lab visit




## Farmers awareness



## Science



 GPS Map Camera

**Gounder Mills, Tamil Nadu, India**

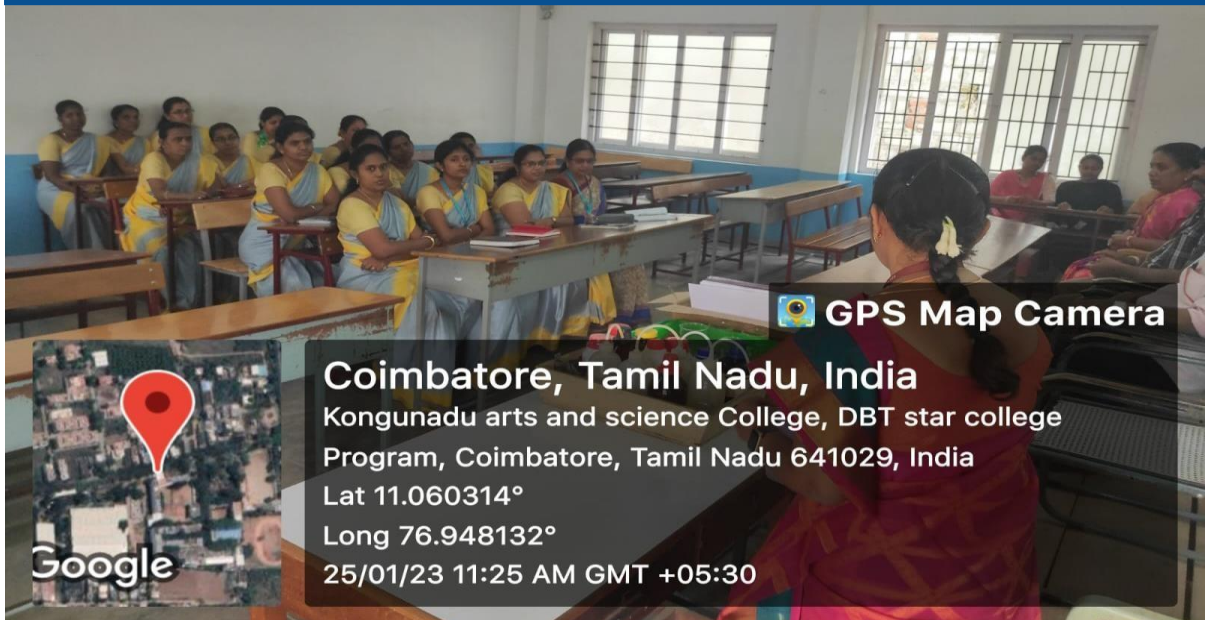
3W5X+GFM, kongunadu Arts and Science College, Gounder Mills, Tamil Nadu 641029, India


Lat 11.059216°

Long 76.948971°

27/02/23 03:30 PM GMT +05:30

## Inservice training programme for school teachers



 GPS Map Camera

**Coimbatore, Tamil Nadu, India**

Kongunadu arts and science College, DBT star college

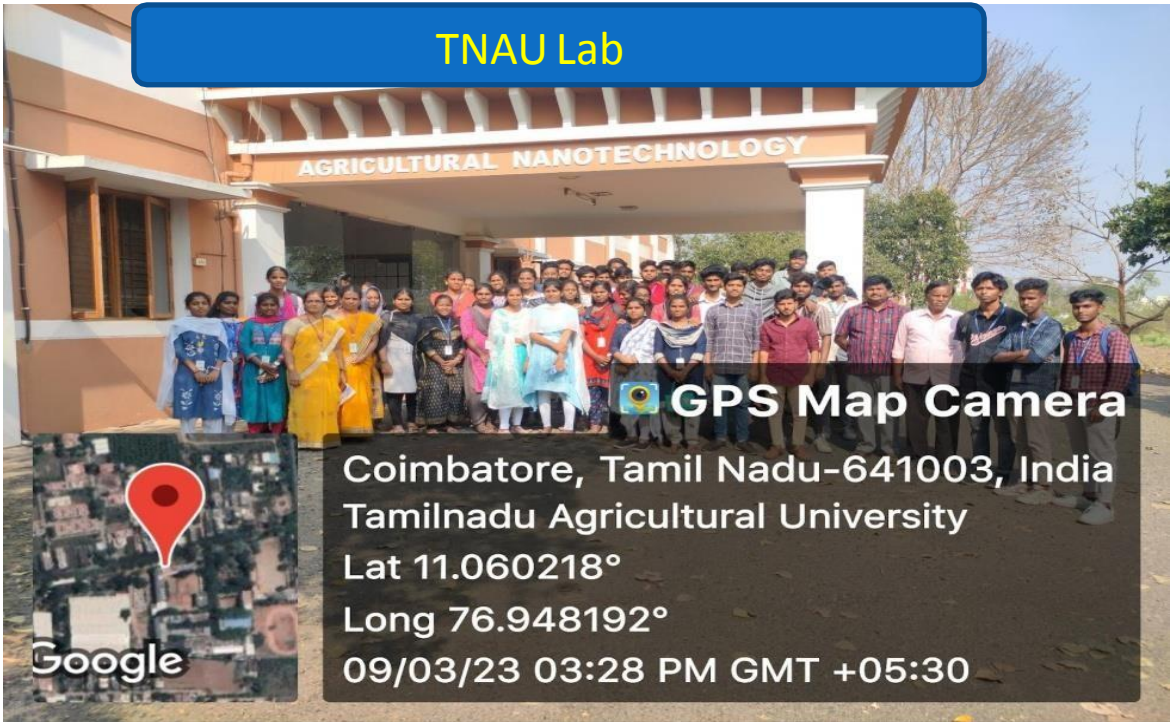
Program, Coimbatore, Tamil Nadu 641029, India

Lat 11.060314°

Long 76.948132°

25/01/23 11:25 AM GMT +05:30





## Poster Making competition



Urumandampalayam Road, GN Mills, Coimbatore,  
641029, TN, India

Latitude

11.0601° N

Local 02:33:49 PM

GMT 09:03:49 AM

Longitude

76.9475° E

Altitude 0.0 meters

Friday, 03/31/2023