



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**
**Re-accredited by NAAC with A⁺ Grade - 4th cycle,
College of Excellence – UGC**



Coimbatore - 641 029, Tamil Nadu, India

DEPARTMENT OF CHEMISTRY

Supported by

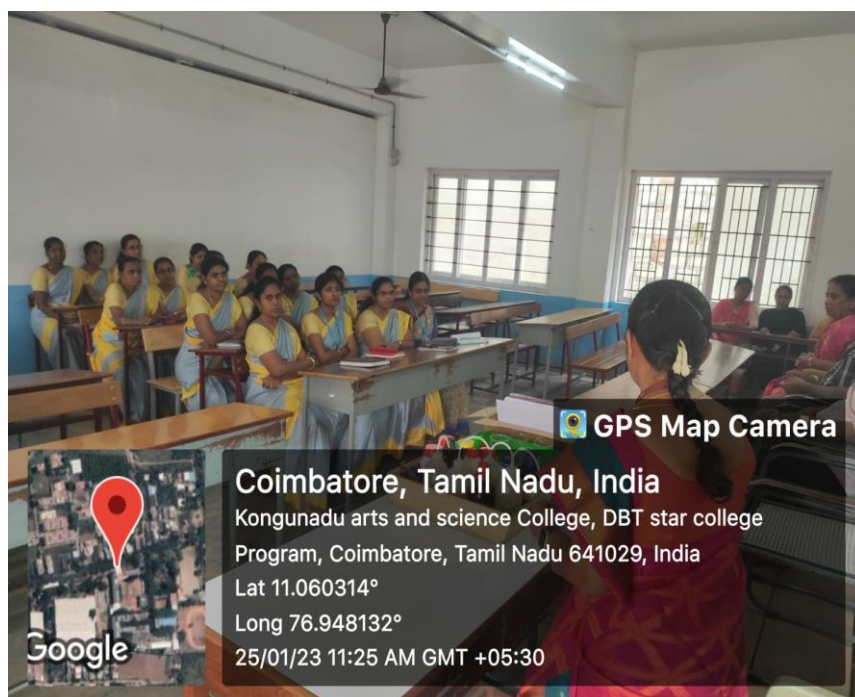
DBT STAR COLLEGE SCHEME

REPORT

Name of the Event	IN-SERVICE TRAINING FOR SCHOOL TEACHERS - <i>Teaching Learning Methodologies Raising Scientific Aptitude</i>
Date	25.01.2023
Time	10.45 A.M
Resource Person With Designation	Dr. V. Sangeetha, Dr. M. S. Sivaramkumar, Dr. R. Manimekalai Assistant Professor Department of Chemistry Kongunadu Arts and Science College Coimbatore - 29
Venue of the Programme	Smart Class room and Chemistry laboratory (UG) Department of Chemistry, Kongunadu Arts and Science College
Objectives of the Programme	The main objective of the Programme is to create scientific aptitude and teaching learning methodologies among school teachers
Outcome of the Programme	Teachers learnt about teaching learning methodologies and scientific aptitude
Number of Beneficiaries with Class (Both Students and Faculty)	20 teachers

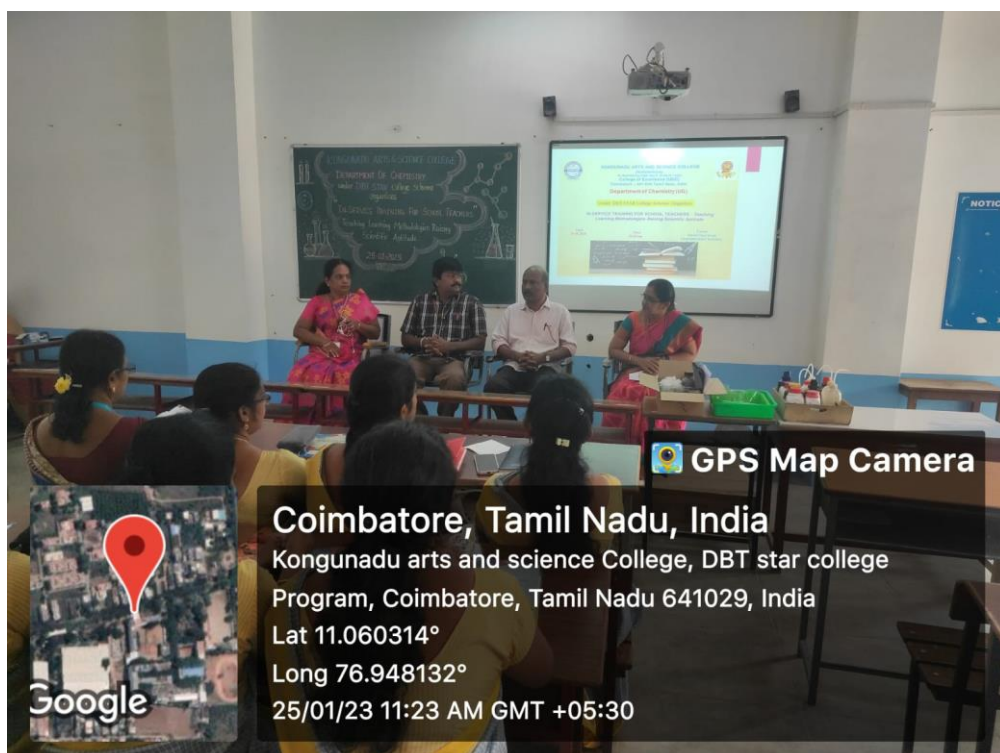
Report of the Programme

IN-SERVICE TRAINING FOR SCHOOL TEACHERS - *Teaching Learning Methodologies Raising Scientific Aptitude* was organised by Department of Chemistry under DBT STAR COLLEGE SCHEME on 25.01.23. Dr. V. Sangeetha, Assistant Professor and Head, Department of Chemistry welcomed the gathering. Dr. S. Paulsamy, Dean R&D, Kongunadu Arts and Science College, felicitate the gathering and talked about bio sensors which will stimulate trapping of atmospheric Nitrogen into the root nodules of leguminous plants such as beans, Ground nut and coffee. Dr. M. S. Sivaramkumar, Assistant Professor, Department of Chemistry, Kongunadu Arts and Science College, Coimbatore was the resource person. He explained the way of teaching Science using didactic chemical experiments using ice – breaking sessions. Vote of thanks was proposed by Dr. R. Manimekalai, Assistant Professor of Chemistry. The programme was arranged and organised by Dr. V. Sangeetha, Dr. M.S. Sivaramkumar and Dr.R.Manimekalai , Assistant Professor of Chemistry, Kongunadu Arts and Science College, Coimbatore. The programme was finally concluded with national anthem.



Welcome address by Dr.V.Sangeetha,

Assistant Professor and Head, Department of Chemistry



Discussion session

Signature of
Department Coordinator

Signature of
Head of the Department



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**
**Re-accredited by NAAC with A⁺ Grade - 4th cycle,
College of Excellence – UGC**



Coimbatore - 641 029, Tamil Nadu, India

DEPARTMENT OF Chemistry-

supported by

DBT STAR COLLEGE SCHEME

REPORT

Name of the Event	<i>Safe and Proper Usage of Pesticides and Fertilisers</i>
Date	04.02.2023
Time	8.30 am
Resource Person With Designation	Dr. E. Jayanthi Assistant Professor Department of Chemistry Kongunadu Arts and Science College Coimbatore
Venue of the Programme	Gollapatti Village, Pollachi
Objectives of the Programme	To create awareness among farmers and farm workers the ill effects of pesticides and excess usage of fertilisers
Outcome of the Programme	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
Number of Beneficiaries	27 farmers/Farm workers

Report of the Programme

To create awareness among farmers and farm workers under DBT star college scheme, Dr.E.Jayanthi Assistant professor , Department of Chemistry, KASC has done an outreach program for the farmers regarding the safe and appropriate usage of pesticides and fertilisers. She explained about the various ill effects caused by the synthetic harmful pesticides, herbicides, weedicides and insecticides to the mankind and to the other livebeing on the earth, in the earth and also to the environment. She explained about the pollution caused by the usage of them to soil, water and to air. Further she made clear about the health effects originated to the persons handling them. Their biomagnification in the body, chronic lung illness, cancer and other dermatological problems in a detailed manner in the language understandable to them. In addition to that, she mentioned the importance of nutritious diet

containing carbohydrate, protein, vitamins and minerals containing foods to help improve immunity.

Note: Attach the Geotagged photographs with footnote

Signature of
Department Coordinator

Signature of
Head of the Department



Dr.E.Jayanthi during her awareness program with farmers



Dr.E.Jayanthi with farmers



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**
**Re-accredited by NAAC with A⁺ Grade - 4th cycle,
College of Excellence – UGC**



Coimbatore - 641 029, Tamil Nadu, India

DEPARTMENT OF CHEMISTRY

Supported by

DBT STAR COLLEGE SCHEME

REPORT

Name of the Event	IN-SERVICE TRAINING FOR SCHOOL TEACHERS – <i>Exploring Science and Technology for Nation Building</i>
Date	07.02.23
Time	10.45 A.M
Resource Person With Designation	Dr. V. Sangeetha, Dr. M. S. Sivaramkumar, Dr. R. Manimekalai Assistant Professor Department of Chemistry Kongunadu Arts and Science College Coimbatore - 29
Venue of the Programme	Smart Class room and Chemistry laboratory (UG) Department of Chemistry, Kongunadu Arts and Science College
Objectives of the Programme	The main objective of the Programme is to create scientific aptitude and teaching learning methodologies among school teachers
Outcome of the Programme	Teachers learnt about teaching learning methodologies and scientific aptitude
Number of Beneficiaries with Class (Both Students and Faculty)	20 teachers

Report of the Programme

IN-SERVICE TRAINING FOR SCHOOL TEACHERS – *Exploring Science and Technology for Nation Building* was organised by Department of Chemistry under DBT STAR COLLEGE SCHEME on 07.02.23. Dr. V. Sangeetha, Associate Professor and Head, Department of Chemistry welcomed the gathering. Dr. V. Sangeetha, Dr. M. S. Sivaramkumar, Dr. R. Manimekalai, Assistant Professor, Department of Chemistry, Kongunadu Arts and Science College, Coimbatore were the resource person. They explained do's and dont's in the laboratory. They inculcates four philosophies of education science for Nation building i.e., a) Learn to learn b) learn to live together c) Learn to be and d) learn to do. This includes manifestation of perfection in education which is already in the learner as said by swami Vivekandha. Vote of thanks was proposed by Dr. R. Manimekalai, Assistant Professor of Chemistry. The programme was arranged and organised by Dr. V. Sangeetha, Dr. M.S. Sivaramkumar and Dr. R.Manimekalai, Assistant Professor of Chemistry, Kongunadu Arts and Science College, Coimbatore. The programme was finally concluded with national anthem.



Prayer song by students, Department of Chemistry



**Welcome address by Dr.V.Sangeetha,
Assistant Professor and Head, Department of Chemistry**



Some of the teacher participants

Signature of
Department Coordinator

Signature of
Head of the Department



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

**Re-accredited by NAAC with A⁺ Grade - 4th cycle, College of
Excellence – UGC
Coimbatore - 641 029.**



**DEPARTMENT OF PHYSICS, CHEMISTRY, COMPUTER SCIENCE AND
MATHEMATICS**

REPORT

***AWARENESS PROGRAMME ON FAMILIARIZATION OF SCIENCE EDUCATION TO
SCHOOL STUDENTS***

The programme was held in the College Conference Hall at 10.00 A.M on 10-02-2023. A total of 116 students and 4 teachers from Greenfields Matriculation School, Coimbatore, Sri Ranganathar Matriculation & Higher Secondary School, Coimbatore and Annai Violet Matriculation & Higher Secondary School, Coimbatore participated in the programme. The intention of this programme is to increase curiosity and to familiarize science education to school students.

The Guest Speaker of the programme was Dr. S. Paulsamy, Dean R&D of Kongunadu Arts and Science College (Autonomous), Coimbatore. He delivered his lecture on science education. He spoke about resource utilization, which includes soil management, goods management, agricultural science and medicinal plant needs. He educated about the recent advancements in the field of science. He also encouraged the students to explore the vast existence of the universal science. His speech really made each and every student to aspire to get into the science domain.

The students visited the laboratories of Physics, Chemistry, Computer Science, Mathematics and Botany.





Honouring Guest Speaker



Address by the Resource Person



Beneficiaries

Lab Visits

Department	Time
Department of Physics	11.30 AM
Department of Chemistry	12.00 PM
Department of Computer Science	12.30 PM
Department of Mathematics	02.00 PM
Department of Botany	02.30 PM

Physics lab visit:

In Physics lab, the students explored and experimented with various apparatus assisted by the staff members. The basic working mechanisms of the instruments were demonstrated. The students interestingly practiced some of them.



Students examining the equipment's displayed

Chemistry lab visit:

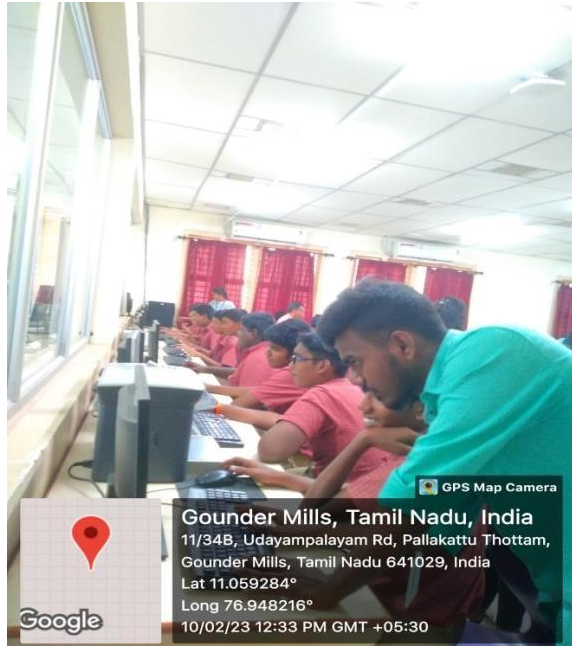
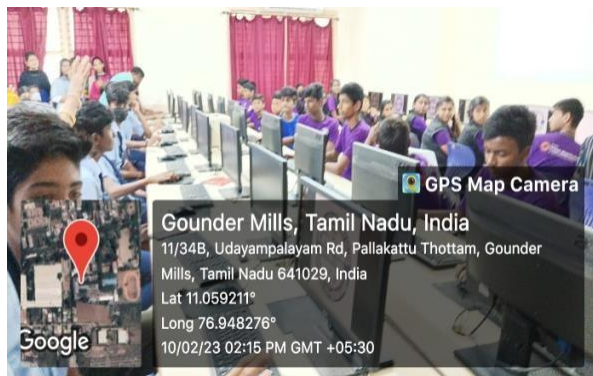
In Chemistry lab, various chemical reactions were performed practically and it induced interest among the students in witnessing first-hand what they were learning as a chemical equation in theory.



Students observing the illustrations performed

Computer Science lab visit:

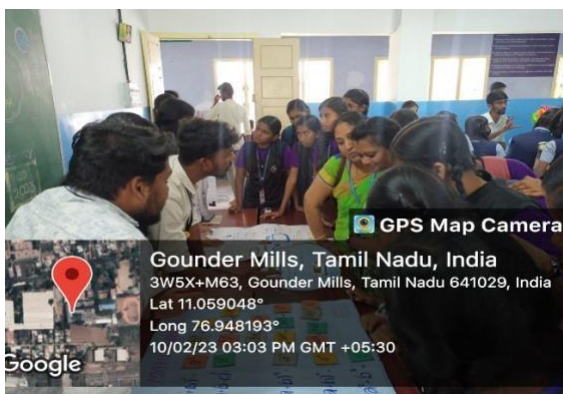
Computer labs are instrumental in helping students to learn, work and practice software and programs that makes them acquire digital skills. The students actively operated the computer systems and visualised their own ideas and interests using MS-Word, MS -PowerPoint ,Excel and some other applications.



Students enthusiastically using the systems

Mathematics lab visit:

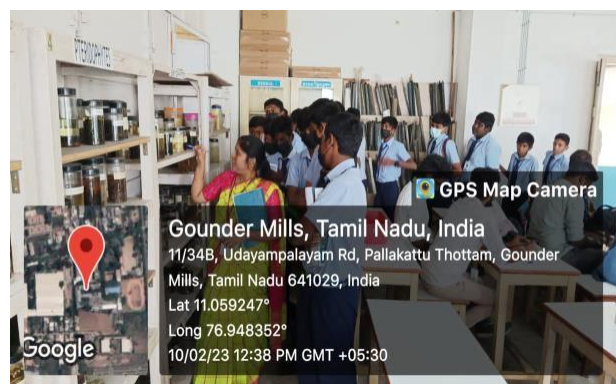
Mathematical models are the best way to understand mathematics through informal exploration. The students developed a keen interest towards mathematics by analysing the models displayed.



Students exploring the math display.

Botany lab visit:

The botany lab made students to visualise the structure, properties and biochemical processes of all forms of plant life as well as plant classification, plant diseases and the interaction of plants with their physical environment.



Students inspecting various botanical representations



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**
**Re-accredited by NAAC with A⁺ Grade - 4th cycle,
College of Excellence – UGC**



Coimbatore - 641 029, Tamil Nadu, India

DEPARTMENT OF CHEMISTRY

supported by

DBT STAR COLLEGE SCHEME

REPORT

Name of the Event	Training Programme on Soap and Sanitizer Making for Self Help Group
Date	25.03.2023
Time	10.15 am
Resource Person With Designation	Mrs. A. Bhuvaneswari, Soap Maker, Love Little Soaps - Skin Care Service, Saravanampatti, Coimbatore
Venue of the Programme	Visuvasapuram, Saravanampatti, Coimbatore-35
Objectives of the Programme	The main objective of the Programme is to create skill and knowledge in soap and sanitizer preparation
Outcome of the Programme	Participants learnt the preparation skill
Number of Beneficiaries	Participants -09; Faculties -1 ; Total-10

Report of the Programme

Chemistry Department, Kongunadu Arts and Science College, Coimbatore has organized a **Training Programme on Soap and Sanitizer Making for Self Help Group** under **DBT Star College Scheme** to the residential area people of self help group and home makers at Visuvasapuram, Saravanampatti, Coimbatore on 25.03.2023.

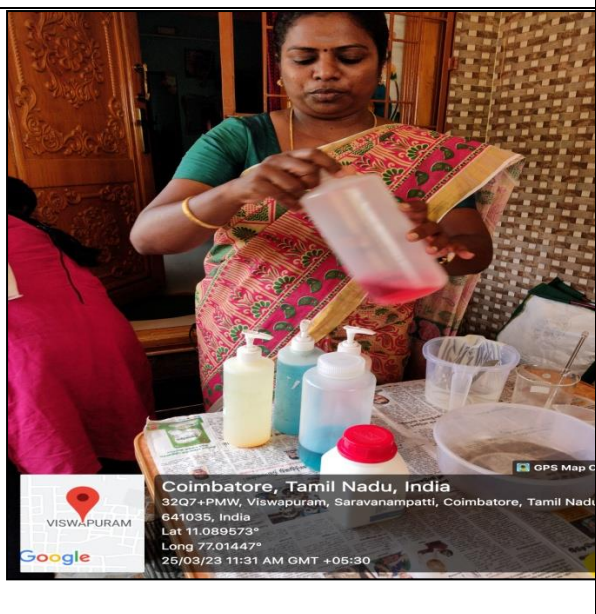
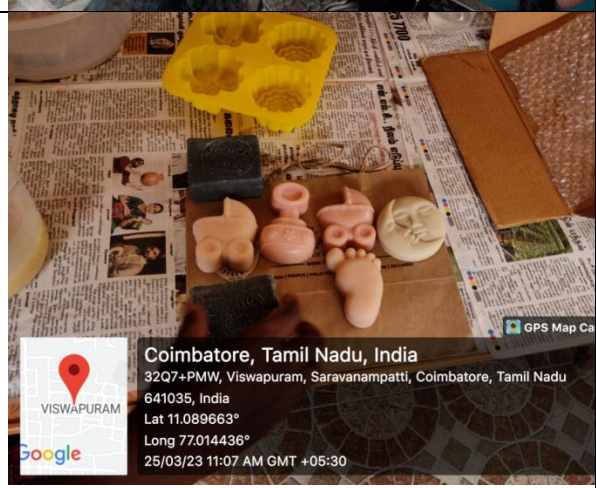
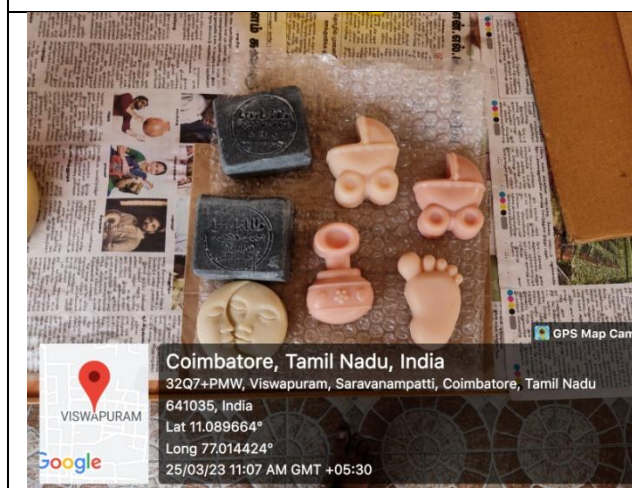
Mrs. A. **Bhuvaneswari**, Soap Maker, Love Little Soaps - Skin Care Service, Saravanampatti, Coimbatore has acted as a resource person. Initially she delivered a small lecture and discussed about the soap preparation, types of soaps, ingredients present in the

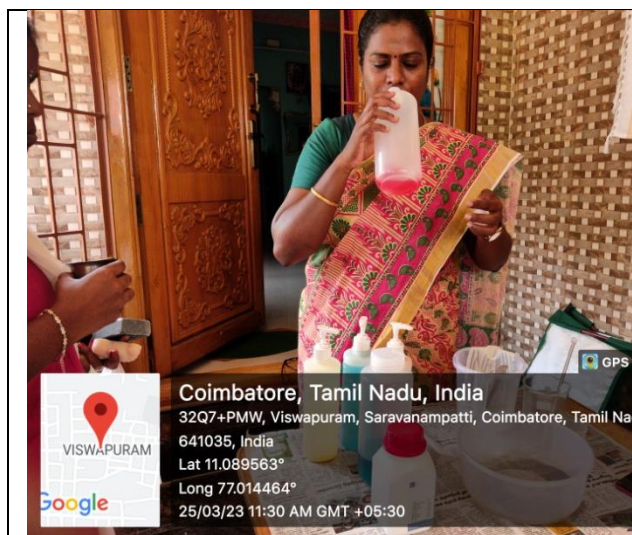
soap, essential materials required for the soap preparation, the availability of materials, how and where to purchase the materials.

It was a great opportunity for the participants to visualise the preparation of soap on the spot. They gained knowledge about the preparation process. They too prepared the soap with high interest. In addition to the soap preparation she also showed the demo on the preparation process of Sanitizer making.

The training programme was so helpful to the participants. The programme was organised by **Dr. K. Krishnaveni**, Assistant Professor, Department of Chemistry, KASC.







**Signature of
 Department Coordinator**



**Signature of
 Head of the Department**