

TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY



DOTE CAMPUS, CHENNAI-600025 &



**K.M.G COLLEGE OF ARTS AND SCIENCE
GUDIYATTAM – 635803**

**Programme on
“Inservice Training to Science Teachers of Vellore district”
Date: 05.01.2024 to 11.01.2024**

Brief write up of the five Days Programme

**Day 01: Registration, Inauguration and lecture on “An ideal Teacher” and
“Stress and stress management”**

The Registration for the “Tamilnadu State Council for Science and technology, Chennai” Catalyzed and supported “In-service Training programme for science teachers of Vellore District” started at 09.30 am of the total 50 teachers who were officially selected a total of 50 science teacher participants from various schools of Vellore district turned up and registered themselves for the above training programme. There were 29 female participants and 21 Male participants. The participants were provided with training kit which included a folder, notepad and pen .The inauguration of the “In-service Training programme for science teachers of Vellore District“ was done of 05.01.2024 in the K.M.G.College of arts and Science, Gudiyattam at 10.00 am. The Programme started with the prayer song by the students of Biochemistry department under the presidential ship of Mrs.S.Manimozhi CEO, Vellore district, Dr.M.Senthilraj, Principal K.M.G.College of arts and Science, Dr.R.Natarajan, Director, K.M.G.College of education Mr.R.Shivakumar APO,Mr.G.Kannan, BEO Vellore District. The Programme coordinator, Dr.J.Thirumagal, Head and Assistant Professor in Biochemistry Gave Vote of thanks to the Inauguration Ceremony.

There was a tea break in between in which the participants were provided with samosa and tea. Dr.R.Natarajan,MA.,(triple)M.Ed.,Ph.D.,Director, K.M.G.College of Education,Gudiyattam gave a lecture about the ideal natures required for the teacher and prof.K.Santhi,M.Sc.,M.Ed.,M.Phil.,(Psy) Assistant Professor, K.M.G.College of Education, Gudiyattam gave a lecture about the stress and stress management.The day came to an end with the participants having hands on training on basics and advanced theories in students's psychology.

Day 02: Special lecture and hands training on “Amazing physics “and “Language lab for communication skills”

The second day started at 10.00 am in the college seminar hall of Physics department the first session started with a special lecture by M.Mohanapriya., M.Sc.,M.Phil.,Head and Assistant Professor in Physics on general physics and its importance , potential applications. In her lecture she stress upon the importance of physical science in science students and the importance of the latest advancements in the field. After a short tea break she continues the Hands on training in the college physics lab school teachers are much interested to do practical classes in the physics lab after a college days. We also arranged a special session for the communication skills development in the communication lab, Where there is lots of American accents and British accents are interesting factors to the school teachers. The day came to an end with the participants having hands on training and communication tools for the students.

Day 03: Special lecture and hands on training on “Magic Numerals” and “Microbiology”

The Third day started at 10.00 am in the college seminar hall of Maths department, the first session started with a special lecture by N.Raji.,

M.Sc., M.Phil., Head and Assistant Professor in maths on Scientific maths and its importance, potential applications. In her lecture she stress upon the importance of practical maths in science students and the importance of the latest advancements in the field. After a short tea break, she continued the hands-on training in the formulas employed for the physics and chemistry problems to school teachers who are much interested to do practical demo by math's teachers. After a lunch break, we also arranged a special session in the Microbiology lab by Dr. N.Sundaramoorthy Ph.D., and Dr. A.M.Rajalakshmi Ph.D., where the teacher were introduced to the various instrumentation facilities available in the department followed by hands-on training on basic and advanced training in microbiology. There was a training session on plant tissue culture with includes sterilization methods and bacterial cell culture isolation. The day came to an end with the participants having hands-on training on basics and advanced techniques in microbiology.

Day 04: Special Lecture and Hands-on Training on "Essence of Chemistry" and "Environmental Science Biochemistry lab"

The fourth day programme started at 10.00 am in the seminar hall, the first started with a special lecture by Dr. S.Praveen Kumar., M.Sc., Ph.D, Head and Asst. Professor in Chemistry, K.M.G.College of arts and Science, on 'Essence of Chemistry' its potential and its applications. In his lecture stressed upon the practical chemistry, and compounds, laws of chemical combustion, law of conservation of mass and law of definite propositions, atomic theory, Thomson's atomic model, ozone depletion, Acid rain, air water pollution and fossil fuels, natural gas and solar energy, bioplastics, chemistry of fire cracker etc. After a short tea break the second session started with practical chemistry to our school teachers.

After a lunch break Dr. J.Thirumagal., M.Sc., M.Phil., Ph.D, Head and Asst.

Professor in Biochemistry, Dr. C.Ashogan., M.Sc., Ph.D, PDF Asst. Professor in Biochemistry, K.M.G.College of arts and Science, gave a hands-on training in the biochemistry lab and explains about the blood cells and immunity and the recent techniques involved in genetics and molecular biology. The day came to an end with the participants having hands on training on basics and advanced techniques in Biochemistry.

Day 05: Special lecture and Hands-on training on "Computer science" and "Valedictory function"

The fifth day program started at 10.00 am in the seminar hall. The first started with a special lecture by Prof. N.S.Rajanandham., M.Sc., M.Phil., Head and Asst. Professor in Artificial Intelligence, K.M.G. College of arts and Science gave a special lecture and hands-on training for the school students in basic computers and also explained the basic tools and google forms for the school students. He explained the basics in excel sheet form in mark entry and calculations. After the tea break, he gave hands-on training to all the teachers in the computer science lab.

After Lunch, the Valedictory function of the Tamilnadu State Council for Science and Technology Catalyzed and supported "In service training programme for science teachers of Vellore District" started 11.01.2024 in the K.M.G.College of arts and Science, Gudiyattam at 03.00 pm. The programme started with the prayer song by the students of the biochemistry department under the presidential ship of Vellore District DEO Mr.S.Dhayalan, Dr.M.Senthilraj, Principal, K.M.G.College of arts and science, Gudiyattam. Dr. J.Thirumagal, Head and Asst .Professor, Department of Biochemistry welcomed the delegates, principal and the science teachers from various schools of Vellore district.

The college principal Dr. M.Senthilraj, in his valedictory address, stated

that the success of this programme would lie on the successful introduction of the learnt aspects of students. He also stressed about the need for the students to undergo their post-graduation and their research work. This was followed by the feedback from the teacher volunteers. The teacher stated that they have acquired a lot of information during the five-day event they thanked TNSCST, Authorities, CEO, of Vellore district, Principal, Coordinator, and The heads of departments for their efforts. A Special thanks were given to the UG and PG students of Biochemistry for their care during lunch and providing refreshments. Certificates were distributed to the participants by the college, Principal, and DEO, Vellore.

The session come to an end with a vote of thanks delivered by the Coordinator, Dr. J. Thirumagal, Head and Asst. Professor, Department of Biochemistry, K.M.G. College of Arts and Science, Gudiyatham Vellore district, who thanked TNSCST, Authorities, Mrs. S. Manimozhi (CEO, Vellore Dist.), Mr. M. Dhayalan (DEO, Vellore district, Principal Dr. M. Senthilraj), heads of various departments, faculty members, lab assistants, non-teaching staff, and the UG and PG students for their help and cooperation. The programme came to an end with the National Anthem followed by a group photo session of the participants.

COORDINATOR

PRINCIPAL



COORDINATOR

PRINCIPAL