

Report on

SHASTHRAJALAKAM (SIET)

conducted at K.S.M.D.B. College, Sasthamcotta

on 26th 27th and 28th of October 2018

By

College Coordinator,

Dr. Rathika Nath G.

Report on SHASTHAJALAKAM (SIET) conducted at K.S.M.D.B. College, Sasthamcotta on 26th 27th and 28th of October 2018 by College coordinator, Dr. Rathika Nath G.

The Sasthrajalakam project launched by SIET in association with DDE, aimed at providing a three day science camp for 150 selected students (of standard 9th) from Government and Aided schools of Kollam district. We are extremely proud for being one of the venues for hosting the function.

The programme was organized in such a way that day 1 was meant for Physics, day 2 for Chemistry and the day 3 for Biology. Excellent resource persons were selected for lecture sessions from and outside the College and science labs were arranged for demonstration classes by the College students under the direction of teachers.



Day 1 (Friday, 26-10-2018)

The registration of students started at 9 am and the total strength of participants registered was 32 (21 boys and 11 girls). All participants were provided a kit consisting of file, notepad and pen. The **Inaugural Session** started at 9.30 am and the venue was digital seminar hall. The ceremony was chaired by the College principal Dr. K. Beena, who expressed her happiness in hosting the function. It was certainly a privilege to have **Shri P. Radhakrishnan, Space scientist** to inaugurate the function. Welcome speech was delivered by Dr. Rathika Nath G, the programme coordinator. Shri. P. Radhakrishnan spoke on the importance of nurturing scientific temper among students during his inaugural speech. He also interacted with the student participants. Mr. Rinas, Project manager of SIET gave a brief idea on the objectives and purpose of the project during his felicitation speech. The IQAC coordinator of the College, Dr. V. Jayasree proposed vote of thanks for the inaugural session.



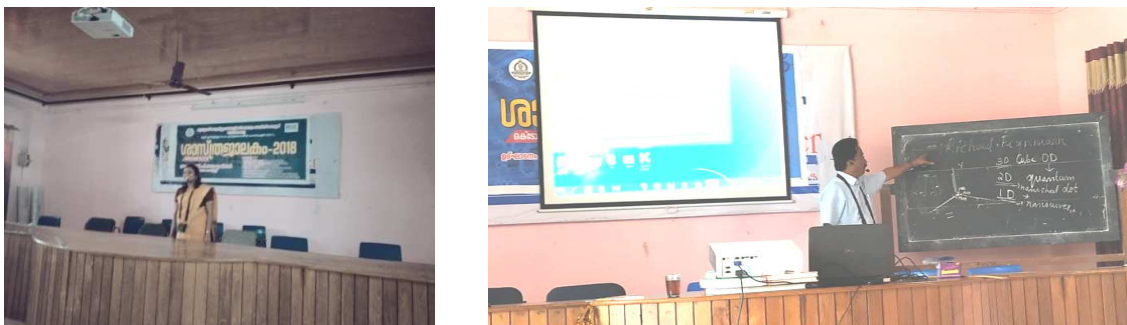


The inaugural session ended at 10 am. After a tea break, an ice breaking session was conducted by the coordinator; where the students were divided into six groups of five and were given time to know each other in the group. Each student was asked to introduce before the whole audience, one of the five members of the group, chosen at random by the coordinator.





The first session in Physics started at 10 45 am and was handled by Dr. Remya G R., Assistant professor in Physics of the college and the topic was “An introduction to Nanotechnology”. The session ended at 12 noon. The second session by Dr. B. Premlet, Department of Physics, T.K.M. Engineering College, was on “Motion and Energy”. The session ended at 1.15 pm. Both sessions had interactive sessions at the end. Lunch was provided at the college canteen.



The Afternoon session on demonstration experiments started at 2 pm at the Physics laboratory. Students were grouped into groups of 5 and were managed by different student demonstrators. A total of 12 experiments were demonstrated, and the session was headed by Ms.

Shemeena Basheer, Assistant professor of Physics which ended at 5 pm. Tea and snacks were provided during the session.



After a break, the participants assembled at the seminar hall and Ms. Reenu Alex - S5 B.Sc Chemistry student and the first prize winner (Mimicry) in Kerala University Youth festival performed

for the participants. The students enjoyed the performance immensely. They too came forward and participated in the programme showcasing their talents. An attractive presentation on photographs of micro organisms was also presented by Dr. V. Jayasree, Associate professor of Physics.



The first day's programme came to an end at 8.30 pm. Dinner was arranged at the college canteen. Dr. T. Madhu, the NCC officer of the college arranged for the accommodation of boy students in the class rooms. 19 degree students (boys) stayed with the participants during night. Girls students were accommodated at the college hostel and the Dr. Rathika Nath and Dr. V. Jayasree stayed with them.

Day 2 (Saturday, 27-10-18)

The second day started with a break fast. The first session on Chemistry was handled by Prof. P.K. Reji, Head of the Department of Chemistry. The topic was "Atomic structure and periodic table", and the session ended at 10.45 am. The second session by Dr. B. Beena, Associate Professor in Chemistry, started after a tea break. She took the students to "the fascinating world of nanochemistry". The session ended at 12.30 pm. Both sessions had interactive sessions at the end.



After lunch, the students were taken to the Chemistry and Polymer Chemistry laboratories and demonstrations on various experiments were conducted. The students visited the sophisticated instrumentation lab also where they were given a demonstration of the AAS instrument. Tea and snacks were served during the programme. The coordinator was in charge of the session.





The evening programme started with a musical performance of Ms. Anju V Nair (PG student of Chemistry Department). A film show on the movie "The absent minded professor" was also arranged by Dr. Binusreejayan, Assistant professor of Chemistry Department preceded by a short introduction on the movie. Students enjoyed the film and the ice cream provide during the same very much. After dinner, students went to sleep.



Day 3 (Sunday, 28-10-2018)

The day 3 sessions started at 8.30 am immediately after break fast. Students were again supplied with notepad, pen etc since many of those given on first day were exhausted. The first lecture was by Dr. Geethakrishnan Nair, Head of the Department of Botany, on "Environmental Biology". The second session was on Biotechnology and was handled by Dr. Manju M, Assistant professor of the Department of Zoology. The session ended at 11 am. Both sessions had interactive sessions at the end. After tea, students were grouped into two and were directed to Botany and Zoology labs for demonstration classes. In between, Buffet lunch was provided and the session continued till 2.15 pm. The In-charge of Botany experiments was Ms. Dhanya, Assistant professor of Botany and Dr. Mini Chandran, Associate professor of Zoology, for Zoology experiments. They were assisted by a number of student volunteers and demonstrators.



Feed back forms were issued and collected at 2.30 pm followed by a group photo session of all participants.



The **Valedictory Session** started at 3.15 pm under the chair of Dr. C. Unnikrishnan, Member of Kerala Sahitya Academy who is also the Head of Malayalam department. Welcome speech was delivered by Dr. V. Jayasree, the IQAC coordinator of the college. The function was officially inaugurated by the **honourable Karunagappally MLA, Shri R. Ramachandran**. He distributed the participation certificates, TA (Rs 200/- each) and a sweets box for all the participants. Parents also attended the function and tea and snacks were also provided. The vote of thanks was proposed by Dr. Rathika Nath G, coordinator of the programme.





The students were handed over their parents after the valedictory function. Both inaugural session and valedictory session were covered by the media.

The SIET sanctioned an amount of Rupees one lakh thirty five thousand (Rs 1,35,000/-) through the DDE Kollam for the conduct of the programme, which was deposited into the bank account of College Principal. Though 53 participants were supposed to participate, only 32 students attended the event. Also accommodation could be arranged in the college and hostel and hence there was minimum expenses in this regard as far as our college was concerned. An amount of Rupees One lakh fifteen thousand five hundred and eight (Rs 1,15,508/-) was spent actually for the event and the balance amount of Rupee Nineteen thousand five hundred and eighteen (Rs 19,518/-) was refunded to the DDE Kollam. Since the number of certificates for trainers/ volunteers were not sufficient, we printed and issued another set of certificates for them also.



Acknowledgements:-

We take this opportunity to congratulate the state government and the educational minister for their projects aimed at promoting Science awareness among students.

It is with sincere gratitude that we thank Sri.B.Aburaj, Director, SIET for providing us with a wonderful experience. We express our sincere thanks to Dr. Vimal Kumar, state coordinator of the programme for constant encouragement and support for the successful conduct of the programme. Thanks are due to Mr. Rinas, Project Manager of SIET who visited our college on all days of the programme and helped us immensely in executing the programme smoothly.

We are also indebted to the DDE Kollam for the timely transfer of funds.

The constant encouragement and support rendered by the College Principal, Dr. K. Beena was the most important factor which made this event a huge success.

We express our sincere gratitude to the college PTA for advancing the whole amount (subject to reimbursement), which helped immensely in starting the preparation early.

Thanks are due to the Heads of departments- Prof.S.Leela, Prof. P.K. Reji, Dr. P.Geethakrishnan Nair and Dr. Mini Chandran C., and members of faculty (both teaching and Non teaching) of all science departments as well as the UG and PG students of our college. There were 18 student volunteers and 31 student demonstrators from various science departments, whose

dedication and sincerity made this event happen. The contributions by Appunni, Akhil and Sarath deserve special mention.

We also acknowledge with gratitude the support rendered by the canteen authorities and the hostel authorities for providing hospitality.

I find no words to acknowledge the support rendered by the IQAC coordinator of our College and my dear friend, Dr. V. Jayasree who was with me throughout the programme and rendered help in every matters.

I greatly acknowledge the indebted help from my dear friends, Prof. Maya P.K. and Mr. Prasasthan M.K. and their family.

The enthusiastic and vibrant team of students that we had as participants was the most important factor. On an analysis of the feedback, we felt immensely happy that our effort was not in vain. We acknowledge the support rendered by all the parents of participants.

Dr. Rathika Nath G

Shasthrajaalakam College Coordinator
KSM DB college, Sasthamcotta.

Dr. K. Beena

Principal
KSM DB College, Sasthamcotta