

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

DEPARTMENT OF MATHEMATICS

Report

ONE DAY GUEST LECTURE PROGRAMME

on

“APPLICATION OF NANO TECHNOLOGY IN VARIOUS FIELDS”

INVITATION

**D.K.M COLLEGE FOR WOMEN(AUTONOMOUS)
SAINATHAPURAM, VELLORE-632001
DEPARTMENT OF MATHEMATICS
ONE DAY GUEST LECTURE PROGRAMME**

Date & Time: 26.08.2019, 11.00 a.m.

Venue: D-Block Conference Hall

INVITATION

INAUGURATION : Prayer

WELCOME ADDRESS &
INTRODUCTION OF CHIEF GUEST : Dr.K.Ameenal Bibi, M.Sc.,M.Phil.,M.Ed.,Ph.D.,
Head & Associate Professor,
Department of Mathematics,
D.K.M College for Women(Autonomous), Vellore-1.

PRESENDITIAL ADDRESS : Dr.P.N.Sudha, M.Sc.,M.Phil.,M.Ed.,Ph.D.,
Principal, D.K.M College for Women(Autonomous),
Vellore-1.

INVITED TALK : **Dr. S. Kanagesan,**
University of Malay, Malaysia.

**TOPIC: APPLICATION OF NANO
TECHNOLOGY IN VARIOUS FIELDS.**

VOTE OF THANKS : Prof. G. Vinu Priya, M.Sc.,M.Phil.,B.Ed.,SET.,
Assistant Professor of Mathematics,
D.K.M. College for Women (Autonomous), Vellore-1.

All are cordially invited

The Department of Mathematics organized one day Guest day lecture programme on the topic “**APPLICATION OF NANO TECHNOLOGY IN VARIOUS FIELDS**” on **26.08.19**. The meeting started with prayer at 11.00 a.m. and Dr. K. Ameenal Bibi, Head and Associate Professor of Mathematics welcomed the gathering and introduced the Chief Guest Dr. S. Kanagesan, University of Malay, Malaysia with her warm and cordial words. The resource person Dr. S. Kanagesan elaborated on Nanotechnology, Applications of Nanotechnology, Quantum dots, Future of nanotechnology and the need of Nanotechnology in research. In his talk he explained the fundamental concepts in Nanoscience. One nanometer is a billionth of a meter, or 10^{-9} of a meter. Nanoscience and nanotechnology involve the ability to see and to control individual atoms and molecules. Today's scientists and engineers are finding a wide variety of ways to deliberately make materials at the nanoscale to take advantage of their enhanced properties such as higher strength, lighter weight, increased control of light spectrum, and greater chemical reactivity than their larger-scale counterparts. Researchers at Oregon State University are developing nanoparticles that deliver three anti-cancer drugs to the lymph nodes. Researchers at IBS are developing a graphene based device to monitor the glucose level in people with diabetes. A study has shown that nanoparticles called "nanomimics" may be effective in blocking malaria parasites from spreading to new red blood cells. Nanofiber mesh containing zeolites have been shown to absorb toxins in the bloodstream. Researchers believe this nanofiber can be used in compact and inexpensive blood purification systems as an alternative to dialysis. Current advances in semiconductor electronics come through nanoelectronics state-of-the-art conventional transistor is now only about 100 nm in length.





There was an interactive session between the speaker and the participants to clarify their doubts. The students were highly motivated by attending the seminar. The UG, PG students and Research scholars of Mathematics of about 250 in number from our college attended the seminar.

The Seminar brought together the Teaching fraternity and the Researchers in sharing their knowledge and experiences. This seminar provided a platform for the researchers and the students to delve into various research areas in Applied Mathematics.



Mrs. G. Vinu Priya, Assistant Professor of Mathematics proposed the vote of thanks. The Meeting came to an end with National Anthem.