

Outreach activities (2019-20)

OUTREACH PROGRAM FOR HIGH SCHOOL TEACHERS

“Exploring science through Hands on Activities”

An outreach program was organised to High school teachers on 30th July, 2019 by Departments of Chemistry, Biochemistry and Microbiology funded by DBT-Star college scheme. The theme of this program was “Exploring science through hands on Activities”. A total of 32 High School Teachers from various government and private schools took active participation in this outreach program.

The program started at 9.30 with a formal inauguration by Air.cmdre (Retd) .J.L.N.Sastry, Vice Chairman, BVB Kendra, Prof.Y.Ashok, principal, Bhavans Vivekananda Collge and Dr. K.Anuradha, Coordinator, DBT-Star college scheme. They briefed on importance of Hands on activities for science teachers. All the teachers were grouped in to three batches and assigned to three departments Chemistry, Biochemistry and Microbiology where they were trained on different experiments proposed.

Department of Chemistry trained teachers on Green chemistry methods. The experiments included were Use of Curcumin instead of Nessler’s reagent for testing the presence of ammonium ion; use of Thioacetamide in place of Hydrogen sulphide for testing Cations and Microwave synthesis of Benzoic acid from Benzamide.

Experiments included in Biochemistry are Qualitative test for alpha amylase from saliva, Preparation of blood smear for differential count of leukocytes and Blood grouping. Also cardiac cycle was demonstrated to the teachers by a model display.

Hands on activities in Department of Microbiology emphasized on Staining of bacteria by simple staining, Lactophenol cotton blue staining of fungi, Observation of root nodules for bacteroid zones and Methylene Blue reduction test for testing the quality of Milk. Also the department took initiative in bringing awareness on Foldscope-a paper microscope that comes at an affordable and cheaper price to all the schools.

All the teachers got hands on training in the experiments and were highly appreciated. The program ended with a Valedictory program at 4.00 by distribution of certificates to all the participants.

