

## Winter Workshop on “Skill Development in Science and Technology”

In today’s world education is not only confined to text books and study materials. But the education which related to skill development in day to day life is emphasized more and more in present scenario which can help students in choosing career in future as well as educating society for betterment of environment. In this direction a step was taken by Dr. Arkaja Goswami, Head of Department, Chemistry & Environmental Studies, by organizing winter workshop on “Skill Development in Science and Technology” which was organized from 28<sup>th</sup> Dec. to 31<sup>st</sup> Dec 2015, in chemistry department, Shyam Lal College, University of Delhi. This is theme based workshop under the able leadership of Dr. Arkaja Goswami, theme is not only knowledge oriented but it has its practical application in smart cities concept going to face challenges of corrosion.



This workshop helps to find greener solution for stopping corrosion permanently and saving millions and millions of rupees. Familiar with DNA techniques on the basis of forensic results can do miracle while detecting or catching the criminals to stop the national and international terrorism. At least we can aware the students to think about in such a direction could be worthy for our country. On the first day 28<sup>th</sup> dec. workshop started with welcome note of **Dr. Arkaja Goswami** followed by enthusiastic words of Pincipal **Dr. Rabi Narayan Kar**. Both has encouraged students and shared the importance of skill development. Dr. Anju Singh (Assistant Professor and Assistant Co-ordinator) was taking care of DNA session. First she told about the

DNA (deoxyribonucleic acid), genetic material and how do we isolate from onion. She also shared her knowledge on the importance of DNA in crime scene and forensic science as well as in research for improving the plant or animal species by gene modification. Students are present in large scale more than 100 students were attended the session. After that DNA isolation were shown to them by Dr. Anju Singh and in between students interacted to her with their queries. Students then also performed the experiment and they were so thrilled to see the DNA by naked eyes. So, all students were enjoyed, learned, and imbibe some facts related to DNA. On the fourth and last day of workshop covered the most important area that is Corrosion and Smart City. **Shri Narendra Modi ji** has a vision that one day there will be a world which is without any corrosion, so how that vision can be fulfilled this was the theme for last day of winter workshop. With this vision convenor of workshop **Dr. Arkaja Goswami (Head of Department, Chemistry and Environmental Studies)** had enlightened the session by sharing her research and thought. She made aware all the students about corrosion, types of corrosion how corrosion takes place, what is the major cause for corrosion. She also shared her expert advice on using green inhibitors such as onion, garlic, pomegranate fruit shells for inhibit the corrosion. She shared her knowledge about the concept of smart city and vision about this. All students enjoyed the session and showed keen interest in knowing about corrosion. She showed some experiment of corrosion by iron units and inhibitors. At last she interacted with all the students by question answers. Students learned novel and innovative ideas regarding corrosion and smart city with the help of a wonderful session of Dr. Arkaja Goswami.

