

**C. KANDASWAMI NAIDU COLLEGE FOR WOMEN, CUDDALORE**  
**DEPARTMENT OF CHEMISTRY**

**INVITED LECTURE REPORT**

**Topic: Incidents behind inventions**

Invited speaker: **Dr.G. Boopathy**

Associate Professor & Head  
Department of Chemistry  
Arignar Anna Govt. Arts College  
Villupuram

Date & Time: 28.02.2020 at 10.00 AM

Venue: Abdul Kalam Block

The event started with an invocation song followed by the welcome address delivered by Mrs K.Kadambari, Assistant professor. The guest lecture was preceded by a talk by the College committee member Dr.S.Shafina Banu, Associate Professor, C.KNC.

In the invited lecture on “Incidents behind inventions” the Chief Guest emphasized the importance of basic science & research for the discovery and invention of new materials. In his lecture he explained the driving force for the inventions that occurred by observing the unusual things scientifically. In his talk he,

- Highlighted the invention of battery by the scientist **Galvani** and **Volta** while dissection of frog not completed as exercise in zoology. Not neglecting the unusual behavior, animal electricity was observed.
- Also highlighted the discovery of drug for cancer. **Barnett Rosenberg** conducted the effect of electric field on bacterial growth. In the growth medium of E.Coli, electric field was applied using Pt electrodes. Surprisingly the cell grown longer and longer but cell division was arrested.
- Scientist **New Haven** after a very long struggle stretched the fluid from rubber tree as rubber and further modification are also made to invent many rubber materials.
- Dynamite was invented by Alfred Nobel. To support his father’s business he was interested in developing a new explosive material and invented dynamite. He also invented many explosive materials under this frame work.
- Highlighted about Raman Effect. Sir.C.V.Raman only Indian who got Nobel Prize for the work carried out in India for Physics. Even from childhood he was very much interested to observe colour and thinking about reasons for colour, so it was a driving force to invent Raman spectrograph.

- Motivated the students to impart deep knowledge in research and encouraged them with his lecture. He received with admiration by the students and they also found the slides appropriate.
- The event ended with honorarium to the guest and vote of thanks.