

# **B.L.D.E. Association's**

**S.B. Arts and K.C.P. Science College**

**Vijayapur**

## **DEPARTMENT OF CHEMISTRY**

**TED TALK REPORT 2015-16**

**Topic: Quantum Chemistry**

**For**

**M.Sc. Students**

**Date: 02/10/2015**

**Time: 12.00 PM.**

**VENUE**

**Seminar Hall,**

**S.B. Arts and K.C.P. Science College  
BLDEA S.B. Arts and K.C.P. Science College,  
Vijayapur.**


# NOTICE

Date: 02/10/2015

All the M. Sc students are hereby informed to attend the TED TALK organised by PG Department of Chemistry on the Topic: **Quantum Chemistry** on 02/10/2015 in seminar hall at 12.00PM.

105  
Principal,  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

Co-ordinator,  
P. G. Department of Chemistry,  
SB Arts & KCP Science College,  
BIJAPUR - 586101.

  
IQAC, Co-ordinator  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

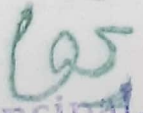
## TED TALK REPORT


Ted talk was conducted by in PG Dept of Chemistry on **02/10/2015** for M.Sc. I<sup>st</sup> and III<sup>rd</sup> semester students regarding Experimental quantum chemists rely heavily on spectroscopy, through which information regarding the quantization of energy on a molecular scale can be obtained. Common methods are infra-red (IR) spectroscopy, nuclear magnetic resonance (NMR) spectroscopy, and scanning probe microscopy.


Theoretical quantum chemistry, the workings of which also tend to fall under the category of computational chemistry, seeks to calculate the predictions of quantum theory as atoms and molecules can only have discrete energies.

Quantum chemistry studies the ground state of individual atoms and molecules, and the excited states, and transition states that occur during chemical reactions.

On the calculations, quantum chemical studies use also semi-empirical and other methods based on quantum mechanical principles, and deal with time dependent problems. Many quantum chemical studies assume the nuclei are at rest (Born-Oppenheimer approximation). Many calculations involve iterative methods that include self-consistent field methods. Major goals of quantum chemistry include increasing the accuracy of the results for small molecular systems, and increasing the size of large molecules that can be processed, which is limited by scaling considerations—the computation time increases as a power of the number of atoms. Dr. S.D. lamani, Dr. M.B.Karekal, Dr.S.N.Unki and Dr.P.K.Metri have explained the facts of experiments thoroughly. Students of PG Dept of chemistry have interacted with the faculty member and clarified their doubt regarding the different experiments.

  
Principal,  
S.B.Arts & K.C.P. Science College  
BIJAPUR.

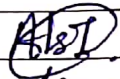
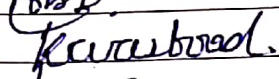
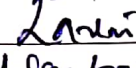
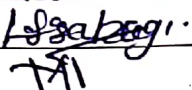
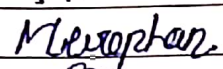


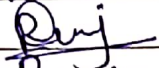
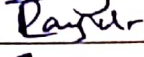
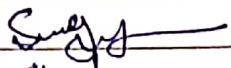
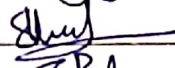
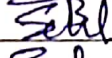
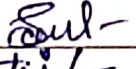
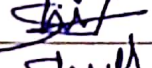
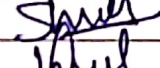

  
IQAC, Co-ordinator  
S.B.Arts & K.C.P. Science College,  
Vijayapur,

  
Co-ordinator,  
P. G. Department of Chemistry,  
SB Arts & KCP Science College  
BIJAPUR - 586101

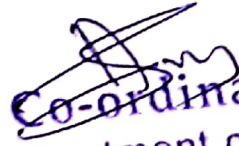


# TED TALK ATTENDENCE

Date: 02/10/2015

RCU No.	Name of the student	Signature
CH152001	Abdul.QadarGogi	
CH152002	Akash.S.J	
CH152003	Keerati.C.Vastrad	
CH152004	Laxmi.I.Hunnur	
CH152005	Laxmi.S.Saboji	
CH152006	Mammad Haneep.M.T	
CH152007	Mammad .Irfhan.	
CH152009	Pratibha.S.Dhavalgi	
CH152010	Preeti.S.Biradar	
CH152011	Rakesh.R.Joshi	
CH152012	Ranjitha.K.D	
CH152013	Sakkubai.S.Gani	
CH152014	Sandhya.B.Keshetti	
CH152015	Sangmesh.B.P	
CH152017	Savitri.K.Huded	
CH152018	Shivkumar.S.G	
CH152019	Shreya.B	
CH152021	Umesh.Basappa.	

  
IQAC, Co-ordinator  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

  
Co-ordinator,  
P. G. Department of Chemistry,  
SB Arts & KCP Science College,  
BIJAPUR - 586101

  
Principal,  
S. B. Arts & KCP Sc. College,  
Bijapur



  
**IQAC, Co-ordinator**  
S.B.Arts & K.C.P.Science College,  
Vijayapur,

  
**Principal,**  
S. B. Arts & KCP Sc. College  
Bijapur

  
**Co-ordinator,**  
P. G. Department of Chemistry,  
SB Arts & KCP Science College  
BIJAPUR - 586101