

B.L.D.E. Association's
S.B. Arts and K.C.P. Science College
Vijayapur

PG DEPARTMENT OF CHEMISTRY

TED TALK REPORT : 2021-22

Topic : The incredible chemistry powering your smartphone

For
M. Sc. Students

Date: 28/01/2022

Time: 11.30- 12.00 PM

VENUE

Seminar Hall,

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


TED (Technology, Entertainment, Design) TALK is organized by the PG Department of Chemistry for M. Sc. students on 28th Jan 2022.


NOTICE

Date: 20/01/2022

All the M. Sc. Students are hereby informed to attend the TED TALK organized by PG Department of Chemistry on the Topic: **“The incredible chemistry powering your smartphone”** on 28/01/2022 in Seminar Hall at 11.30 - 12.30 PM

Co-ordinator


Co-ordinator
P.G.Department of Chemistry
S.B.Arts & K.C.P. Science College,
Vijayapur-577101.


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


Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

TED TALK on “The incredible chemistry powering your smartphone” by Cathy Mulzer

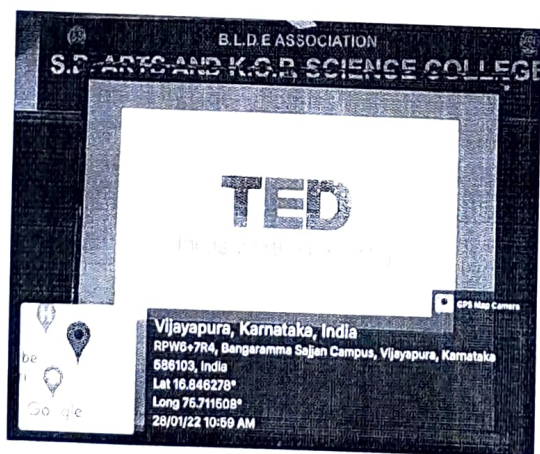
A session on highlighting the importance of Chemistry in day to day life was held by the PG department of Chemistry, BLDEA'S S.B. Arts and K.C.P Science College, Vijayapura on 28 January 2022 at 11.30 AM for the students of M. Sc students.

The session started with a TED TALK on “The incredible chemistry powering your smartphone” by Cathy Mulzer which was shown to students through a youtube link (https://www.youtube.com/watch?v=PmY1Dr2iQ_Q). The use of smartphones has tremendously increased and it has become the need of the hour. As chemists it's important for us to know the role of chemistry in the working of smartphones and not just to operate it.

Cathy Mulzer in her talk revealed how almost every component of our high powered devices exists because of chemists and not only the Silicon Valley entrepreneurs that come to most people's minds. She started her talk saying that “Chemistry is the Hero of electronic communications”. She explained the reason behind the bright light and vivid colours of the display which we love the most is due to organic polymers embedded within the display that take up electricity and turn into the blue, green and red that we enjoy in the pictures. She also threw light on how the chemical principles of traditional batteries paired with high surface area electrodes for packing more charge in small space. She also explained about the printed circuit board which uses copper wires, the manufacture of copper using electroless plating and turning them to small wires. She highlighted the most challenging part is shrinking down the devices and which involves a chemical process called “photolithography”. She gave an idea on how chemistry works for 5G devices.


She concluded her talk by saying how the chemists will enable all the electronic devices with popular innovations in the technology world.

This TED talk was really knowledgeable and inspirational for students as well as faculty members as it gave a positive outlook of the chemistry subject. It made us realize how important it is to understand, interpret chemistry in a practical approach and its applicability in daily life. This talk made us feel proud of chemists. This talk has inculcated the curiosity in us to learn more in the field of Chemistry.

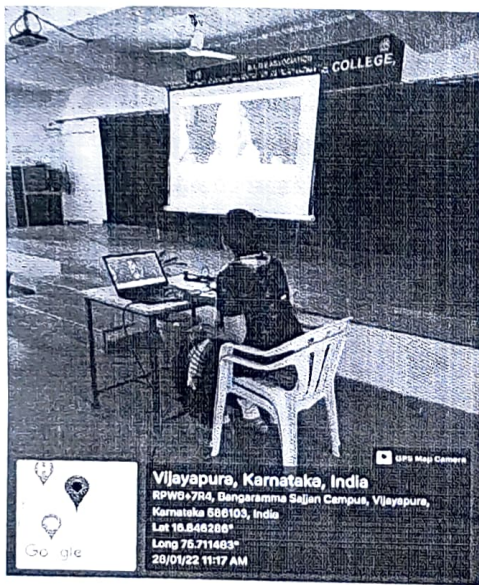
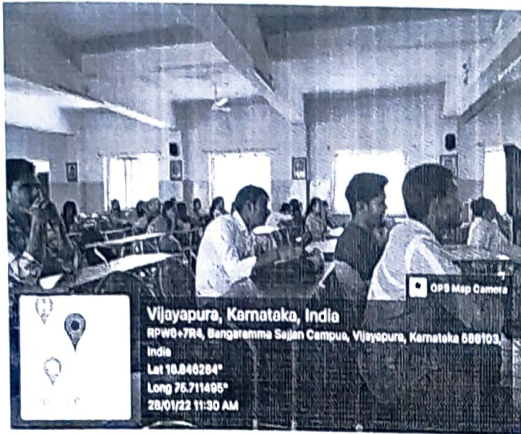



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TED TALK ATTENDENCE

DATE: 28/01/2022

Sl.No	Name of the student	Signature
1.	Adarsha Mashyal	A.V. Mashya
2.	Aishwarya M Yaranal	
3.	Akshata B Masaraddi	
4.	Arati S Dudagi	
5.	Indumati H chittaragi	
6.	Lakshmeebayee H. Ganiger	
7.	Megha G. Patil	
8.	Fayeedkhan Jahagiradar	
9.	Mukhatarahad M. Bewoor	
10.	Padmini Kulkarni	
11.	Parasappa Challigi	
12.	Pavan K. Payamalle	
13.	Pradeep S. Gend	
14.	Prashant Biradar	
15.	Ranjana S. Takkalaki	
16.	Sachin R. Chavan	Absent
17.	Sahana Bilgi	
18.	Shambhavi A Badiger	
19.	Srishti. Biradar	
20.	Suresh S. kaveri	
21.	Sushma M Heralagi	
22.	Sushma N Mugati	
23.	Sushmita R Patil	
24.	Veeresh C Kulageri	
25.	Bhagyashree Yadawad	
26.	Sourabh M Kambale	
27.	Navya Keerthi	
28.	Soumya Kollappanavar	
29.	Laxmi Saravade Sarvade	
30.	Shasankumar Dixit	

Co-ordinator

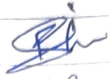
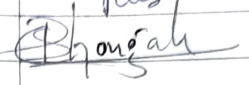

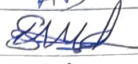




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31.	Faisheen Jahagiradar	
32.	Apoorva Mirajkar	AB
33.	Rachana Samalad	Rus.
34.	Prathiba Chougale	
35.	Danneshwari Ashoka Jagadale	
36.	Pruthvik B Pujari	
37.	Suresh Biradar	AB
38.	Ashwini Sarawad	
39.	Divya Sidaraddi	AB
40.	Kumbar Shankar	
41.	Soumya Babaleshwr	
42.	Chaitra Aloor	
43.	Rinku Patel	


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