

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

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

**Vijayapur**

## **DEPARTMENT OF CHEMISTRY**

### **TED TALK REPORT 2016-17**

Topics : How to Speed up Chemical Reactions .

For

B.Sc Students

Date: 25/2/2017

Time: 2.00-3.00 pm

VENUE

Seminar Hall,

TED ( Technology, Entertainment, Design) TALK is organised by the Department of Chemistry for B.Sc students on 25<sup>th</sup> Feb 2017.

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

**S.B. Arts and K.C.P. Science College, Vijayapur-586103**

**Department of Chemistry**

**NOTICE**

It is here by informed to B.Sc Chemistry Students that the TED TALK is arranged on 25/02/2017 at 2 to 3pm attend without fail in saminarhall.

**Head**  
Dept. of Chemistry  
SB Arts & KCP Sc. College,  
Vijayapur.

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

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

# BLDE Association.

S.B. Arts & KCP Science College

## TEDE TALK Attendance Sheet

Time :- 2-3pm

Date :- 25/2/17

| Name of Students            | Roll. No | Signature        |
|-----------------------------|----------|------------------|
| 1) Anil S. Adi              | 273      | <u>Anil</u>      |
| 2) Amalika Pujari           | 63       | <u>APujari</u>   |
| 3) Sampatakumar. K. Kumbhar | 161      | <u>Kumbhar</u>   |
| 4) Rajashekhar. B. B        | 76       | <u>Rajus</u>     |
| 5) Soundarya. M. Malgatti   | 299      | <u>Smalgatti</u> |
| 6) Pawan. Alegaon           | 128      | <u>P</u>         |
| 7) Poonima. B. Dholi        | 149      | <u>Pu</u>        |
| 8) Aishwarya. K. M          | 446      | <u>Kmasall</u>   |
| 9) Bheemu sarejam           | 284      | <u>B sarejam</u> |
| 10) Pooja. B. Murjanni      | 325      | <u>PBMurj</u>    |
| 11) Arun. R. Desai          | 313      | <u>AD</u>        |
| 12) Pooja. S. Mali          | 335      | <u>Smali</u>     |
| 13) Swoopna. S. B           | 358      | <u>SK</u>        |
| 14) Ashwini. R              | 453      | <u>Ru</u>        |
| 15) Ashwini. S. Ingalageri  | 360      | <u>AS</u>        |

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|     |                               |                    |                   |
|-----|-------------------------------|--------------------|-------------------|
| 16. | Anuja. Biradar                | 429                | <del>ABB</del>    |
| 17  | Veena Talikoti                | 64                 | V.S. Talikoti     |
| 18  | Tshupti. U. Dambalkar         | 61                 | Tshupti. U. D.    |
| 19) | Sugnyani. Manur               | 67                 | <del>ay</del>     |
| 20) | SNEHA. KUMBAR                 | 451                | <del>SK</del>     |
| 21) | Sharan Kumar. Mulinamari      | 294                | <del>Sharan</del> |
| 22) | soujanya. R. Baragali         | 227                | <del>so</del>     |
| 23  | Sneha. V. Muchchandi          | 111                | <del>SN</del>     |
| 24) | Shreedhar. S. Hirekwarabcor   | 432                | <del>SH</del>     |
| 25) | Shreedhar. S. Jamadar.        | 80                 | <del>Sh</del>     |
| 26) | Sneha. R. Chinchali           | 63                 | <del>SN</del>     |
| 27] | shweta. S. kamathetty         | 358                | <del>Shweta</del> |
| 28) | Smiti. V. Naik                | 152                | <del>SN</del>     |
| 29] | Simran. R. Vathar             | 23                 | <del>SN</del>     |
| 30] | Siddharamayya - S - sethigeri | 327                | <del>SN</del>     |
| 31] | Shridhar. I. Khanapur         | 340                | <del>SK</del>     |
| 32) | Shrinivas. S. Koulagi         | 427                | <del>SK</del>     |
| 33) | Siddhamma. S. Hirali          | 310                | <del>SH</del>     |
| 34) | Siddharth. S. patil           | 330                | <del>SH</del>     |
| 35) | Shrishail. v. Dhavalage       | 355                | <del>SH</del>     |
| 36) | Shrishail. Mandewar           | <del>217</del> 217 | <del>SH</del>     |
| 37) | Siddanna. A. Sarawad          | 283                | S.A. Sarawad      |
| 38) | Shweta. S. Hadopod            | 42                 | <del>SH</del>     |
| 39) | Shruti. M. Banni              | 84                 | <del>SH</del>     |
| 40) | Shruti. J. Bhosale            | 434                | <del>SH</del>     |
| 41) | Shruti. S. Leniger            | 213                | S.S. Leniger      |
| 42) | Shweta. U. Umarani            | 499                | <del>SH</del>     |
| 43) | Shweta, S. Baladballi         | 117                | <del>SH</del>     |
| 44) | Shweta. Khedagi               | 100                | S.B. Khedagi      |
| 45) | Shruti. P. Pujari             | 426                | <del>SH</del>     |
| 46) | Shweta. M. Flatte             | 210                | <del>SH</del>     |

|     |                          |     |                    |
|-----|--------------------------|-----|--------------------|
| 47) | Shanti, B. Shinde        | 259 | <u>Shanti</u>      |
| 48) | Shweta. R. Basaragi      | 66  | <del>Sh</del>      |
| 49) | Shubham N. Kamble        | 242 | <u>Shubham</u>     |
| 50) | Jyoti. B. Teradai        | 353 | <u>Jyoti</u>       |
| 51) | Swaroop. M. Gogi         | 291 | <u>Swaroop</u>     |
| 52) | Vidyashree. A. Natikar   | 32  | V.A. Natikar       |
| 53) | Reshma. Tarse            | 350 | <u>Reshma</u>      |
| 54) | Vidyashree. K. Akalawadi | 301 | VEA                |
| 55) | Vidyashree. C. Biradar   | 303 | <u>VEA</u>         |
| 56) | Shivanand. S. Pujari     | 360 | <u>Pujari</u>      |
| 57) | Akash. S. Sankh          | 453 | <del>Akash</del>   |
| 58) | Shruti. S. Biradar       | 404 | <u>Shruti</u>      |
| 59) | Bhagyashree Holagi       | 508 | <u>Bhagyashree</u> |
| 60) | Muttaras. Babalesbwar    | 501 | <u>Muttaras</u>    |
| 61) | SUSHMA. BIRADAR          | 509 | <u>Biradar</u>     |
| 62) | Soumya. Patil            | 401 | <u>Patil</u>       |
| 63) | Tejashwini. S. Patil     | 440 | <u>Patil</u>       |
| 64) | Soumya Umavani           | 110 | <u>Soumya</u>      |
| 65) | Swati Muttagi            | 466 | <u>Swati</u>       |
| 66) | Swati. P. Maske          | 399 | <u>Swati</u>       |
| 67) | Spusti. Kwati            | 07  | <u>Spusti</u>      |
| 68) | Swati. L. Bizicorgi      | 258 | <u>Swati</u>       |
| 69) | Srushti. S. Hiremath     | 273 | <u>Srushti</u>     |
| 70) | Srushti. S. Patil        | 30  | <u>Srushti</u>     |
| 71) | Sushmita. S. Melgade     | 41  | S. K. Melgade      |
| 72) | Sudharani. Kalloli       | 249 | <u>Sudharani</u>   |
| 73) | Sushma. S. Siddapur      | 274 | <u>Sushma</u>      |
| 74) | Sushra. B. Nidoni        | 40  | <u>Sushra</u>      |
| 75) | Sudharani. S. Meltri     | 136 | S.S. Meltri        |

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|      |                            |     |                    |
|------|----------------------------|-----|--------------------|
| 76)  | Sudharani . P. Sanadi      | 200 | <u>Sanadi</u>      |
| 77)  | Sushma . R. Malakanavus    | 287 | <u>Sushma</u>      |
| 78)  | Sushma J Khanamani         | 395 | <u>SJK</u>         |
| 79)  | Suma . Hugar.              | 73  | Suma.              |
| 80)  | Sushma . V. Hiremath       | 47  | S.V. Hiremath      |
| 81)  | Suman M Badadani           | 99  | <u>Badadani</u>    |
| 82)  | Suman . M. Solapur.        | 233 | <u>Suman</u>       |
| 83)  | Sunanda . M. Binadar       | 354 | <u>Sunanda</u>     |
| 84)  | Sushma D. Bixadar          | 17  | <u>Sushma</u>      |
| 85)  | Sundrobai. M. Patil        | 349 | <u>Sundrobai</u>   |
| 86)  | Suresh. B. A               | 338 | <u>Suresh</u>      |
| 87)  | Sunita . B. Hiroli         | 215 | <u>Sunita</u>      |
| 88)  | Sunika. V. Kamataqi        | 102 | <u>Sunika</u>      |
| 89)  | Supriya. K. Rathod         | 431 | <u>Supriya</u>     |
| 90)  | Supriya. Talewar           | 89  | <u>Supriya</u>     |
| 91)  | Vijayalaxmi. S. Navi       | 337 | <u>Vijayalaxmi</u> |
| 92)  | Vijaykumar . I. Pujari     | 483 | <u>Vijaykumar</u>  |
| 93)  | Vijaylaxmi . S. Bellundagi | 27  | V.S. Bellundagi    |
| 94)  | Vijayalaxmi . S. Kubsod    | 452 | <u>Vijayalaxmi</u> |
| 95)  | Vijayalaxmi . A. Jadhav    | 197 | <u>Vijayalaxmi</u> |
| 96)  | Vinay . S. Shahapur        | 348 | <u>Vinay</u>       |
| 97)  | Vinayak S. Nayak           | 460 | <u>Vinayak</u>     |
| 98)  | Vijayalaxmi . I. Hunasagi  | 430 | <u>Vijayalaxmi</u> |
| 99)  | Vijayalaxmi M. Hunasagi    | 341 | <u>Vijayalaxmi</u> |
| 100) | Vinayakumar . Zalaqi       | 09  | <u>Vinayak</u>     |
| 101) | Vishal mayur               | 333 | <u>Vishal</u>      |

|      |                        |     |                        |
|------|------------------------|-----|------------------------|
| 102) | Vijay Shidyal .        | 178 | Jayji                  |
| 103) | Vidyaashree Patil      | 6   | V.M.Patil              |
| 104) | vishwakisan. Patil     | 418 | <del>VK</del>          |
| 105) | Vishwaradhy. M         | 225 | <del>QMS</del>         |
| 106) | Vidyaramani. B. L      | 176 | <del>Balasaayi</del>   |
| 107) | Vittal. K. MaranooY    | 225 | <del>VK</del>          |
| 108) | Vidya R Patil          | 195 | <del>Patil</del>       |
| 109) | Vidya. S. Nagasal      | 149 | <del>R. Nagasal.</del> |
| 110) | Yoganand. Shivayogi    | 356 | <del>QMS</del>         |
| 111) | Yallappa. H. Kattimani | 306 | <del>YK</del>          |
| 112) | Yuvraj. R Hanamakar    | 461 | <del>YH</del>          |
| 113) | Vani. Balleshi         | 234 | <del>QMS</del>         |
| 114) | Udajanath. R. radar.   | 321 | <del>UR</del>          |
| 115) | Mahadev. Tedaqundi     | 281 | <del>MS</del>          |
| 116) | Shantashur B Hepparayi | 502 | <del>SBHepparayi</del> |
| 117) | Taiveni, D. Hiscemath  | 402 | <del>Taiveni</del>     |
| 118  | Tejaswini              | 346 | <del>TS</del>          |

Total = 118



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## REPORT

# HOW TO SPEED UP CHEMICAL REACTIONS

Chemical reactions require varying lengths of time for completion, depending upon the characteristics of the reactants and products and the conditions under which the reaction is taking place. Chemical Kinetics is the study of reaction rates, how reaction rates change under varying conditions and by which mechanism the reaction proceeds.

### Factors that affect the rate of a reaction

There are five general properties that can affect the rate of a reaction:

The concentration of the reactants. The more concentrated the faster the rate.

Temperature. Usually reactions speed up with increasing temperature.  
Physical state of reactants. Powders react faster than blocks - greater surface area and since the reaction occurs at the surface we get a faster rate.

The presence (and concentration/physical form) of a catalyst (or inhibitor). A catalyst speeds up a reaction, an inhibitor slows it down.  
Light. Light of a particular wavelength may also speed up a reaction  
Livin' a green, environmentally friendly life is more than just a trending fad. It's a way to give back to the Earth and make sure that breathable air and those crystal-clear lakes stay that way.  
So whether you're aiming to be a certified Momma Nature's boy, or you just want to do your part, your home is a great place to focus your eco efforts.



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## Ted Talk Link 2016-2017

How to speed up chemical reactions : <https://youtu.be/OttRV5ykP7A>

Reuse of waste : <https://youtu.be/lr2uQCuvM3Y>

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