



PROJECT: Should science popularization be integral part of high school curriculum in India

(An Inter School Debate Competition)

PROJECT COMPLETION REPORT

IMPLEMENTED BY: MILLENNIUM INDIA EDUCATION FOUNDATION

(13 COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-65)

(www.mief.in)

CATALYSED & SUPPORTED BY: NCSTC DIVISION, DEPT.OF SCIENCE & TECHNOLOGY,GOVT.OF INDIA

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SUMMARRISED REPORT

Under this project Inter school debate competitions were held as per the plan sanctioned by the NCSTC Division Dept. of Science & Technology Govt. of India. The competitions were started in phased manner firstly at district levels in all the 9 districts of Delhi state and one district of NCR which was Gautam Budh Nagar Noida.

The main objectives included

- i. To help students to develop rigorous and critical thinking abilities towards pursuing science career after leaving school.
- **ii.** To sensitize the school management ,educationists, policy makers to inculcate an attitude of science popularization related activities in schools.
- **iii.** To sensitize school children importance of science popularization in day to day life.

158 schools took part in the district level competitions during the period April 2015— October 2015 .Each participating school was represented by 2 students (One to speak for the motion and another against the motion).The interjectors were however from the host schools. There was one interjector for each team . Each interjector was allowed to ask only one question from speaker. L

An approximate total of 10000 students witnessed the district level debate competitions and **23** teams took part.

All the competitions were judged by 3 judges out of team of 5 judges who were selected to be on the panel based on their experience in science communication.

As per the format of the competitions, two teams(1st & 2^{ndl}) from each district level competition moved to 2nd round (inter district level competition). A total of 23 teams competed with each other in this round . the 2nd round was held on 26/11/2016.at DPS International School Saket. Here also interjectors and audience of about 200 students were provided by the host sc.

In this round, first 6 teams moved to final round to choose Delhi state level debate champion team. The final round was held at DAV School shrestha Vihar Delhi on 30th November 2015. The debate was judged by 3 judges .

Dr A B P Mishra Scientist incharge of project from NCSTC Dept.of Science & Tech also graced the final round of competitions as our Guests of Honour. These guests besides listening to the finalists also distributed certificates of participation to all the participants and trophies to winners.

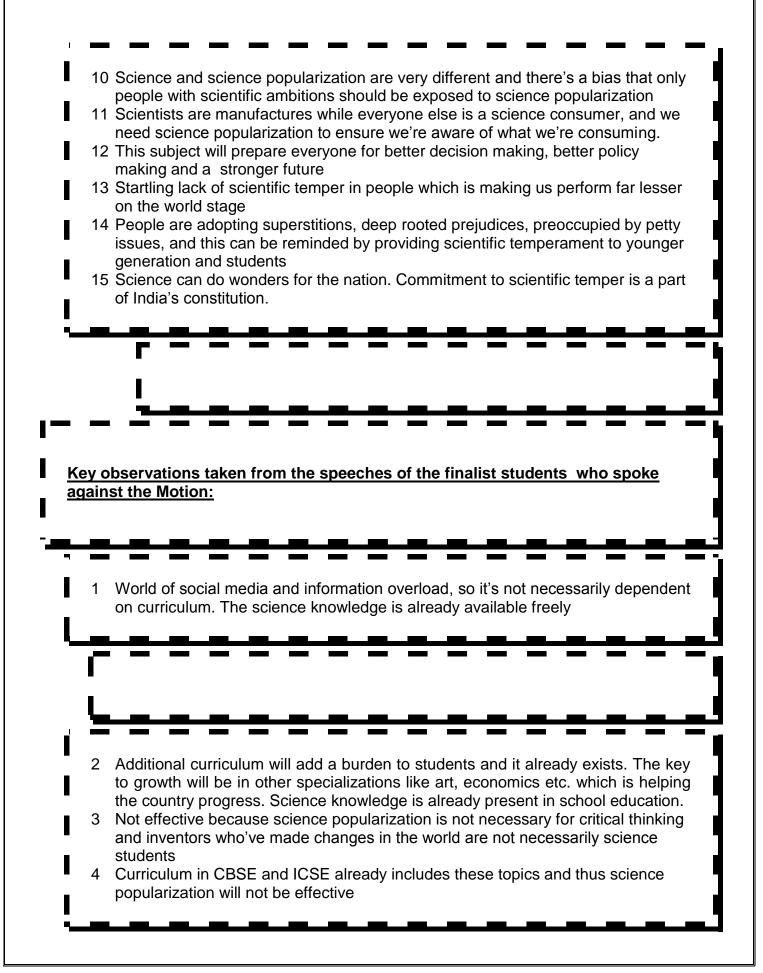
The winners and participants at all district level and inter district levels competitions were distributed certificates of participation and winners(1st,2nd,3rd and 4th consolation position) were given prizes and trophies .

The impact study of the debate competition was done by listening to the speeches of finalists 6 teams by the experts after the conclusion of the project and view points of students (both for as well as against the motion) was critically analysed and based on these critical analysis ,following take home messages for consideration of the NCSTC department have been enlisted :

The observations from the speeches of finalist students who spoke for the motion and against the motion is summerised as under:

Key observations taken from the speeches of the finalist students who spoke for the for the Motion:

- 1 Move away from discussions on caste, religious fanaticism into discussions about science an cancer research. Science will allow youngsters to be logical and practical individuals.
- 2 Think why China/ other large nations are producing so much more innovation and research compared to India
- 3 Building a generation of young students with a rational approach, being critical thinkers to help eradicate social evils (e.g. casteism, gender inequality etc.) in the society to change focus towards science and innovation for betterment of society
- 4 Science popularization will help create aware minds- which is basis of our education
- 5 Global warming, pollution etc. are harming us as a society and there's one subject that will enable students to understand and be aware of these issues
- 6 Many inventions and discoveries in the world have been made by high school students and young students inspired by science and science teachers, focusing on practical knowledge. This can be pushed even more with focus on science popularization by motivating students.
- 7 Society facing strong challenges as a whole and India needs to develop and bring science to children/ students and fill their curiosity with awareness and a scientific approach will help address social evils
- 8 Part of India's constitution to encourage scientific temperament, but large sections of society is superstitious and believes in non-scientific thoughts and practices (social evils)
- 9 Unique quality scientific program can encourage interactive learning approach and will help pave a new path. High scientific awareness rate is good for country's growth and emphasize scientific ability right from high school age. This will be an investment in the future



- 5 Science in itself isn't enough and it will need other fields, like media, journalists, investors etc. will be needed to have a real impact that science promise
- 6 Students interested in different fields other than science do not need a new burden. They will be limited by being forced to learn science only
- 7 Respect needs of each individual and there are plenty resources for those interested in science. For those who are not interested in science, this will be a burden
- 8 Self-taught individuals with the presence of multi media learning opportunities in today's world can succeed like many before without the need of a specialized curriculum.
- 9 One size fits all approach will not help provide the best results and will not be justifiable in this era of technology and reason.
- 10 Reality of India that it's a large agrarian region and manual labor. They do not have much to do with science in their everyday life, and therefore imposing science popularization is not effective
- 11 Without thrusting science, we need to encourage students to work on subjects of their choice.
- 12 What should be done? How should be done? And where's the time to do it?
- 13 Science popularization is a matter of choice. Knowledge under compulsion is not effective and would result in a loosing battle
- 14 This will not solve the uninspiring text book teaching currently present in the education system

Conclusion/Recommendations to the NCSTC Div.DST: Based on these observations ,our conclusion/recommendations for the department is as under:

1) Students recommended that science popularization can encourage the development of interactive learning which would be good for the growth of the country and an investment for the future

2) Science popularization would lead to better decisions arrived at through reasoning and a scientific approach instead of relying on superstitions that are prevalent in the society.

3) However, the students also cautioned that a one size fits all approach will be justifiable and introduction of science popularization should happen in tandem with other important courses like arts and humanities and should be a chosen by the students depending on their interests.

It is expected that the NCSTC would adopt these recommendations to further enhance their mission of increasing its outreach to all segments of society and help motivate these people to develop scientific attitude and understanding to live health and prosperous life. Winner List of schools who took part in Debate competitions:

- iv. Intra District :
- v. Inter district:
- vi. Final

i. Inter District

| List winner School who took part Inter District Debate Level Competition | | | | |
|--|----------------|---|-----------------|-------------------|
| S.No. | District | Name of School | Position | Name of Student |
| 1 | GB Nagar | Vishwa Bharti Public School Dwarka | 1 st | 1.Bharat Goel |
| | District | | | 2.Mahavir Dabas |
| 2 | GB Nagar | Step By Step Noida Plot No.A-10,Sector 132,Taj | 2 nd | 1. Arihant Drabu |
| | District | Expressway, Noida, Uttar Pradesh 201303 | | 2.Shreyash Nigam |
| 3 | Central Delhi | AES Sr Sec School Prasad Nagar | 1 st | 1. Parul Sarma |
| | District | | | 2.Sai Anukya |
| 4 | Central Delhi | Navahind Girls School Rohtak Rd New Delhi | 2 nd | 1.Ashima Sehgal |
| | District | Meena Goel Ph | | 2. Chanchal Gupta |
| 5 | Shahadara | DAV School Srestha Vihar Delhi 92 | 1 st | 1. Savi Sethi |
| | Delhi District | | | 2. Khusboo Sagar |
| 6 | Shahadara | S R DAV School Dayanand Vihar Delhi -92 | 2 nd | 1.Jaskaran Singh |
| | Delhi District | | | 2.Kshitj Chauhan |
| 7 | South Delhi | D P S Intl P-37, Sector VI, Pushp Vihar, Saket, | 1 st | 1. Muskan Gupta |
| | District | New Delhi, Delhi 110017 | | 2. Gautam Goyal |
| 8 | South Delhi | Airforce Golden Jubilee Subroto Park Delhi | 2 nd | 1. Ankit |
| | District | Cantonment New Delhi 10 | | 2.Tanya Mathur |

| 9 | West Delhi District | Modern Era Convent school B 1 Janakpuri New Delhi-58 | 1 st | Shivani Jolly Siddharth Sawhney |
|----|------------------------------|--|-----------------|---|
| 10 | West Delhi District | Adarsh Public School Kirti Nagar New Delhi 15 | 2 nd | 1. Sneha Ganesh 2.Pranjali Garg |
| 11 | East Delhi District | National Victor Public School | 1 st | 1. Ms Lakshita 2. Ms Smalika |
| 12 | East Delhi District | A S N Sr.Sec.School Mayur Vihar Ph 1 Delhi | 2 nd | 1.Ms deepshikha 2. Ms Nikita |
| 13 | New Delhi District | Bhartiya Vidya Bhavan Mehta's Vidyalaya , Kasturba Gandhi Marg, Copernicus Marg, New Delhi, Delhi 110001 | 1 st | 1. Vyusti Kumar 2. Dwaipayan Mukherjee |
| 14 | New Delhi District | Modern School Barkhamba Rd New Delhi-1 | 2 nd | 1.Arshdeep Singh 2. Samarth Garg |
| 15 | North Delhi District | Mount Abu Public School Sector 5 Rohini Delhi | 1 st | 1. Ms Ritika 2. Ms Isha Singla |
| 16 | North Delhi District | Mother Divine Public School G31, Sector 3, Rohini, New Delhi, Delhi 110085 | 2 nd | 1.Ms Sanjana Shokeen 2. Ms Vani Sharma |
| 17 | South West Delhi District | St.Mary's School Sec 19 Dwarka Delhi | 1 st | 1.Sartak Bhardwaj 2.Rupam Jha |
| 18 | South West Delhi District | R.D.Rajpal School Sector 9, Dwarka, New Delhi, Delhi 77 | 2 nd | 1.Ayush Kr Singh 2. Saumya Sinha |
| 19 | South East Delhi District | Delhi Public School Mathura Road New Delhi | 1 st | Diksha Chawla Saumya Mehra. |
| 20 | South East Delhi District | DAV Public School Kailash Hills New Delhi | 2 nd | 1.arzoo Gupta 2. Rashi Srivastawa. |

| | Winner School who took part Inter District I | evel Debate Co | ompletion GB Nagar | | | |
|-------|---|-----------------|---|--|--|--|
| Noida | Noida | | | | | |
| S.No. | Name of School | Position | Name of Student | | | |
| 1 | St. Marry School Dawarka Delhi | 1 st | 1.Sartak Bhardwaj 2.Rupam Jha | | | |
| 2 | Modern Era Convent School Janak Puri New Delhi | 2 nd | Shivani Jolly Siddharth Sawhney | | | |
| 3 | Airforce Golden Jubilee School Suborto Park Delhi Cantonment New Delhi | 3 rd | Shivani Jolly Siddharth Sawhney | | | |
| 4 | Tagore International School Vasant Kunj | 4 th | | | | |
| 5 | Vishwa Bharti Public School Sec 28 Noida u.p | 5 th | 1.Bharat Goel 2.Mahavir Dabas | | | |
| 6 | DPS International School Puspvihar Delhi 110062 | 6 th | 1. Muskan Gupta 2. Gautam Goyal | | | |

Inter district

i. Final Result

| Final | Final Winner School who took Part in Inter District Debate Level completion. | | | | |
|-------|--|-----------------------|---|--|--|
| S.No. | Name of School | Prize | Name of Student | | |
| 1 | St.Mary's School Sec 19 Dwarka Delhi | 1 st Prize | 1.Sartak Bhardwaj 2.Rupam Jha | | |
| 2 | Airforce Golden Jubilee Subroto Park Delhi Cantonment New Delhi 10 | 2 nd Prize | 1. Ankit 2.Tanya Mathur | | |
| 3 | Modern Era Convent school B 1 Janakpuri New Delhi-58 | 3 rd Prize | 1.Shivani Jolly 2.Siddharth Sawhney | | |

List of schools who took part in Debate competitions: Annexure 2

- i. Intra District :
- ii. Inter district:
- iii. Finals

Intra District

| List of School who took part Intra District Debate Level completion. | | | |
|--|---|--|--|
| S.No. | Name of School | | |
| 1 | Delhi Public School Noida | | |
| 2 | Ahlcon International Mayur Vihar Pase I | | |
| 3 | Indus Valley Public School | | |
| 4 | Bal Bharti Public School Noida | | |
| 5 | Amity international School Sec 34 Noida | | |
| 6 | Vishwa Bharti Public School Sec 28 Noida | | |
| 7 | Mayoor School Noida | | |
| 8 | Amity International Schoolb Vasundhra | | |
| 9 | Khaitan Public School | | |
| 10 | Amity International School Mayur Vihar | | |
| 11 | Father Angel School Noida | | |
| 12 | Modern School Noida | | |
| 13 | Lotus Valley International School Sec 126 Noida | | |
| 14 | Ryan International School Noida | | |
| 15 | Vishwa Bharti Public School Dwarka | | |
| 16 | Step By Step Noida | | |
| 17 | Vishwa Bharti School Greter Noida | | |
| 18 | Somerville School Greeter Noida | | |
| 19 | Millennoim School Noida | | |
| 20 | Gurukul School | | |
| 21 | A.G.D.A.V Cenetary Public school Model Town Delhi 09 | | |
| 22 | Bosco Public school Sunder Vihar Paschim Vihar New Delhi 110087 | | |
| 23 | Doon Public School B-2 Paschim vihar New Delhi 110063 | | |
| 24 | G.D. Goneka Public School Rohini Sec 9 New Delhi 110063 | | |
| 25 | Gov. Co-ed Sarvodya Vidhyalaya Ghevra Delhi 110081 | | |
| 26 | Himalaya Public School Sec 7 Rohini Delhi | | |

| 27 | Lancer Convent School Prasant Vihar Rohini Delhi 85 | | |
|----------|---|--|--|
| 28 | Lilawati Vidya Mandir Sen, Sec. School Shakti Nager Rohini | | |
| 29 | M.M. Public School Vasudha Enclave pitampura Delhi | | |
| 30 | Maharaja aggarsain adarsh Public School DU Block Pitam Pura Delhi 34 | | |
| 31 | Maxfort School H.S 2 Sec 23 Rohini | | |
| 32 | Modern Public School B Block Shalimar Bagh Delhi 88 | | |
| 33 | Modern rubic School B Block Shannar Bagit Denn BB | | |
| 34 | Mount Abu Public School sec 5 Rohini 85 | | |
| 35 | N.K. Bagrodia Public School Sec 9 Rohini Delhi 85 | | |
| 36 | Nav Bharti Public SchoolDeepali pitam pura Delhi 34 | | |
| 37 | North Delhi Public School Shaliamr Bagh Delhi 11008 | | |
| 38 | Prabhu Dayal Public School AE Block Shalimar Bagh Delhi | | |
| 39 | Queen Marry school Model School | | |
| 40 | Rajkia Pratibha Vikash Vidhyalaya Sect 11 Rohini | | |
| 40 | Sachdeva Public School Sect 13 Rohini Delhi | | |
| 41 | Sarvodaya Kanya Vidhyalaya Delhi | | |
| 42 | Sarvouaya Kanya Vidiyalaya Delili St. Xavier Sen. Sec. School B Block Prasant Vihar Rohini Delhi 85j | | |
| 43 | | | |
| | The Srijan School \$ B North Model Town Delhi 9 | | |
| 45 46 | Titiksha public School Sec 11 Rohini Delhi 85 Venkateshwar Globel School Sec 13 Rohini | | |
| | Vikash Bharti Public School Sec 24 rohini Delhi | | |
| 47 | | | |
| 48 | Yuva Shakti Model School Sec 3 Rohini Delhi Maxfort School | | |
| 49 | | | |
| 50 | Shiksha Bharti Public School | | |
| 51 | N.K. Bagrodia Public School | | |
| 52 | Sri. Venkateshwar International School Sec 18 Dwarka | | |
| 53 | Venkateshwar International School Sec 10 Dwarka | | |
| 54 | Dwarka International School | | |
| 55 | Delhi International School | | |
| 56 | R. D. Rajpal School | | |
| 57 | Queen Valley School Dwarka | | |
| 58 | Brain International School | | |
| 59 | Mount Carmel School | | |
| 60 | Basava International School Dwarka | | |
| 61 | St. Mary School Sec 02 Dwarka | | |
| 62 | Mayo International School | | |
| 63 | Laxmi Public School | | |
| 64 | Ryan International Schol Mayur Vihar | | |
| 65 | National Victor Public School | | |
| 66 | ASN Sen. Sec. School Mayur Vihar Pase I | | |
| 67 | Mother Mary School Mayur Vihar Pase I | | |
| 68 | R.S.K.V. Patpargunj Delhi | | |

| 69 | Mayur Public School I.P Extention Delhi | |
|-----|--|--|
| 70 | Mother Globel School C Block Preet Vihar Delhi | |
| 70 | Evergreen Public School Vashundra Enclave Delhi | |
| 72 | SLS DAV Public School Mausam Vihar Delhi | |
| 73 | Gov.Co-ed Sen. Sec. School Chilla Villege Pase I Delhi | |
| 74 | RSKV (Rastriya Srvodya Kanya Vidhyalaya) Kalyanvas Delhi | |
| 75 | Bharti Public School Swustha Vihar Delhi | |
| 76 | Universal Public School Delhi | |
| 77 | Masonic Public school | |
| 78 | NEO Convent Sr. Sec. School Vikashpuri | |
| 79 | St. Cecelia Sen. Sec. School | |
| 80 | Indra Ideal School | |
| 81 | Mamta Modern Sen. Sec. School H Block Vikash Puri Delhi | |
| 82 | GD Goenka Public School | |
| 83 | New Horizon School | |
| 84 | Balvant Mehta Vidhya Bhawan | |
| 85 | Pargati public School | |
| 86 | Rainbow English school | |
| 87 | Queen Valley School | |
| 88 | Sumeral Mal Jain School | |
| 89 | St. Peter Convent School | |
| 90 | Adarsh Public School | |
| 91 | Cambridge Foundation School | |
| 92 | Hope Hall Foundation School | |
| 93 | N.C Jindal Public School | |
| 94 | Modern Era Convent Sen Sec. School | |
| 95 | Gov. Girls Sen. Sec. School Vivek vihar Delhi | |
| 96 | Gov. Girls Sen. Sec. School Kanti Nagar Delhi | |
| 97 | Hilwoods Academy School | |
| 98 | D.A.V Public School Srestha Vihar | |
| 99 | S.K.V. Vivek Vihar | |
| 100 | S.R.DAV Public School Sareshtha Vihar | |
| 101 | B.R.G.S.B.V. Bhola Nath Nagar | |
| 102 | GDGPS East Delhi | |
| 103 | GSBV Vivek Vihar | |
| 104 | Vivekanand Public School B block Anand Vihar | |
| 105 | G.D. Goenka Public School | |
| 106 | Father Angel School Gautam Nager | |
| 107 | Amity International School Saket | |
| 108 | The Indian School Josip Broz Tito Marg | |
| 109 | St. George School Alaknanda | |
| 110 | Tagore International School Vasant Vihar | |

| 111 | Red Rose Public School Saket | | |
|-----|---|--|--|
| 112 | Gov. Boys Sen. Ec. School Kalka Ji New Delhi 110019 | | |
| 112 | Airforce School Subroto Park | | |
| 113 | Amity International School Puspvihar New Delhi 62 | | |
| 114 | Airforce Golden Jubilee Subroto Park | | |
| 115 | DPS International School Puspvihar Sec IV New Delhi | | |
| 110 | | | |
| 117 | Guru Harkrishan Public School Vasant Vihar | | |
| 118 | Gov. Boys Sen. Sec. School RK Puram | | |
| 119 | Gyan Bhrti Public School Saket | | |
| 120 | Bloom Public School Vasant Kunj | | |
| 121 | Sanskritt School Chanakayapuri | | |
| 122 | Sarvodhya Co- Ed Vidhyalaya Sector 2 RK Puram | | |
| 123 | Chinmaya Vidyalaya Vasant Kunj | | |
| 124 | St. Antony Sen. Sec. school C 6 SDA | | |
| 125 | DTEA Sen. Sec. School Lakshmi Bai Nagar | | |
| 126 | Sri Mother International School Sri Aurbindo Marg | | |
| 127 | Modern School Vasant Kunj | | |
| 128 | Mount Carmel school | | |
| 129 | Vasant Valley school Block B Vasant Kunj | | |
| 130 | Green Field School Saket | | |
| 131 | Sadhu Vaswani School | | |
| 132 | Gov. Boys Sen. Sec. School Puspvihar | | |
| 133 | G.S.V Sarvodaya Bal Vidhyalaya Sarojni Nagar | | |
| 134 | Nautun Marathi school | | |
| 135 | Ramjas Sr. sec. School No.5 Karol Bagh New Delhi | | |
| 136 | St. Michels Sr. sec. school Pusa Road | | |
| 137 | Chougula Public School D/4 Faiz Road Karol Bagh New delhi | | |
| 138 | Nava Hind Girls Se.Sr. School New Rohtak Road Delhi | | |
| 139 | BRD SKV Prasad Nagar Karol Bagh New Delhi | | |
| 140 | Faith Academy | | |
| 141 | Rajkia Prathibha Vikash Vidhyalaya | | |
| 142 | A.E.S. Sr. Sec. School Prasad Vihar New Delhi | | |
| 143 | C.L. Bhalla DAV Sr. Sec. School | | |
| 144 | Bal Bharti Public School Grh Marg | | |
| 145 | GD Soni DAV Sr. Sec. School Pusa Road | | |
| 146 | Vidya Bhawan Girls Sen. Sec. School | | |
| 147 | DPS R.K Puram New Delhi | | |
| 148 | Mata Gujri Devi Public School C Block Greater Kialash I New Delhi | | |
| 149 | DPS Mathura Road Delhi | | |
| 150 | DPS Noida (U.P) | | |
| 151 | Modern School Barakhamba Road New Delhi | | |

| 152 | Sarvodhya Vidhyalaya Gov. Boys school Ambedkar Nagar Sec IV New Delhi 110062 |
|-----|--|
| 153 | DAV Public School Kailash Hill New Delhi 110065 |
| 154 | DPS Indra Puram Gaziabad |
| 155 | DPS Vasant Kunj New Delhi |
| 156 | KR Manglam G.K. I New Delhi |
| 157 | Guru Harkesh Public School Kalka Ji |
| 158 | Ahlcon Public School |

ii. Inter District

| List of School who took part Inter District Debate Level Competition | | | | |
|--|-----------------------------|---|-----------------------|--|
| S.No. | District | Name of School | Prize | Name of Student |
| 1 | GB Nagar District | Vishwa Bharti Public School Dwarka | 1 st Prize | 1.Bharat Goel 2.Mahavir Dabas |
| 2 | GB Nagar District | Step By Step Noida Plot No.A-10,Sector 132,Taj Expressway, Noida, Uttar Pradesh 201303 | 2 nd Prize | 1. Arihant Drabu 2.Shreyash Nigam |
| 3 | Central Delhi District | AES Sr Sec School Prasad Nagar | 1 st prize | 1. Parul Sarma 2.Sai Anukya |
| 4 | Central Delhi District | Navahind Girls School Rohtak Rd New Delhi Meena Goel Ph | 2 nd Prize | 1.Ashima Sehgal 2. Chanchal Gupta |
| 5 | Shahadara Delhi District | DAV School Srestha Vihar Delhi 92 | 1 st Prize | 1. Savi Sethi 2. Khusboo Sagar |
| 6 | Shahadara Delhi District | S R DAV School Dayanand Vihar Delhi -92 | 2 nd Prize | 1.Jaskaran Singh 2.Kshitj Chauhan |
| 7 | South Delhi District | D P S Intl P-37, Sector VI, Pushp Vihar, Saket, New Delhi, Delhi 110017 | 1 st prize | 1. Muskan Gupta 2. Gautam Goyal |
| 8 | South Delhi District | Airforce Golden Jubilee Subroto Park Delhi Cantonment New Delhi 10 | 2 nd Prize | 1. Ankit 2.Tanya Mathur |
| 9 | West Delhi District | Modern Era Convent school B 1 Janakpuri New Delhi-58 | 1 st Prize | 1.Shivani Jolly 2.Siddharth Sawhney |

| 10 | West Delhi District | Adarsh Public School Kirti Nagar New Delhi 15 | 2 nd prize | 1. Sneha Ganesh 2.Pranjali Garg |
|----|------------------------------|--|-----------------------|--|
| 11 | East Delhi District | National Victor Public School | 1 st Prize | 1. Ms Lakshita 2. Ms Smalika |
| 12 | East Delhi District | A S N Sr.Sec.School Mayur Vihar Ph 1 Delhi | 2 nd Prize | 1.Ms deepshikha 2. Ms Nikita |
| 13 | New Delhi District | Bhartiya Vidya Bhavan Mehta's Vidyalaya , Kasturba Gandhi Marg, Copernicus Marg, New Delhi, Delhi 110001 | 1 st Prize | 1. Vyusti Kumar 2. Dwaipayan Mukherjee |
| 14 | New Delhi District | Modern School Barkhamba Rd New Delhi-1 | 2 nd Prize | 1.Arshdeep Singh 2. Samarth Garg |
| 15 | North Delhi District | Mount Abu Public School Sector 5 Rohini Delhi | 1 st Prize | 1. Ms Ritika 2. Ms Isha Singla |
| 16 | North Delhi District | Mother Divine Public School G31, Sector 3, Rohini, New Delhi, Delhi 110085 | 2 nd Prize | 1.Ms Sanjana Shokeen 2. Ms Vani Sharma |
| 17 | South West Delhi District | St.Mary's School Sec 19 Dwarka Delhi | 1 st Prize | 1.Sartak Bhardwaj 2.Rupam Jha |
| 18 | South West Delhi District | R.D.Rajpal School Sector 9, Dwarka, New Delhi, Delhi 77 | 2 nd Prize | 1.Ayush Kr Singh 2. Saumya Sinha |
| 19 | South East Delhi District | Delhi Public School Mathura Road New Delhi | 1 st Prize | Diksha Chawla Saumya Mehra. |
| 20 | South East Delhi District | DAV Public School Kailash Hills New Delhi | 2 nd Prize | 1.Arzoo Gupta 2. Rashi Srivastawa. |

List of Judges for the competitions

About Judges

1. Er Anuj Sinha:

He is an highly decorated independent science and technology communicator. At present he is a National Level Monitor for Ministry of Rural Development. He was Director Vigyan Prasar, NOIDA till November 2011 and earlier he was Scientist 'G' and Head NCSTC, Department of Science and Technology, New Delhi.

He scripted the growth of fertilizer industry and the administered price regime as an engineer and later has been involved in science policy formulation and implementation in various responsibilities in the Department of Science and Technology, New Delhi.

He has been an outstanding science and technology communicator and has led almost all major initiatives and innovations in national science outreach campaigns over the past two decades. His interests include travelling, reading, reviewing, interviewing and writing. He is driving the movement for re-visiting the concepts of scientific temper.

2. Dr KinKinni Das Gupta :

She is presently working as Scientist F in a national level organization, VIGYAN PRASAR, under the Department of Science and Technology, Govt. of India engaged in large-scale science popularization and science and technology communication activities in the country. As a member of the Vigyan Prasar team, I head the Information Communication and Technology division and working towards the development of gender sensitive science communication programme through different media and in various formats.

With her background in Physics and training in management, I have many years of research experience in the filed of science and technology communication and presently involved in ICT and Gender Communication.

Dr Kinkini's efforts has been strengthening and enriching the formal science learning and teaching through non formal education putting emphasis on activity-based, hand-on teaching learning, audio-visual aids etc. Vigayn Prasar, a national level organization engages in large scale science and technology communication programme and reaches out to different segments in the society through various formats and mode.

As a Communications Specialist, she has dealt with diverse issues related to ICT, Energy and Environment, Biodiversity, Agriculture for women, Public Health, preventive and promotional health, including Food Safety, Nutrition, Water, Environment Sanitation, Hygiene etc. and linking these issues for creating

comprehensive communication messages for increasing scientific awareness, influence planners, decision makers, opinion leaders, frontline health workers for implementation of programmes.

Emphasizing on the importance of technology communication to create awareness about various new, innovative technologies and its applications among the different targets groups, stakeholders, etc. for their sustainable development. She has made many contributions in writing for science magazines, newsletters and radio.

Some of the major programmes initiated by her in recent years are: Safe and Hygienic Life Style for School Children, addressing household level food and nutrition security for tribal areas, Setting up of an Inter-institutional working group which acts as think tank to facilitate mechanism for dissemination, technology awareness for women, development of life skills integrated learning materials for secondary curriculum in science for National Institute of Open School (NIOS), as part of Adolescence Education Programme, under the initiative of UNFPA. There are several publications at popular level science to her credit. She is also into many advisory boards of different scientific bodies and institutes.

3. Dr R S Yadav:

Has wide experience of more than three decades in different Fields e.g. Extension education, marketing, storage & Research, Mass communication, Public Service Broadcast, Public Relation, Administration and co-ordination with various Institutions, Departments, Ministries, Non Governmental organizations, Universities, Academies etc.

Dr Yadav has published 18 research papers, about two dozen popular article and written the Hindi version of the book entitled, "Nano- Technology the Future Revolution."(iii)More than 1500 interviews with various experts of different fields have been broadcast on various channels of All India radio and Radio Kashmir Srinagar at local, zonal, state capital, National and International level.

4. Dr Nimish Kapoor

Working as Scientist 'D'/PSO with Vigyan Prasar, Department of Science & Technology, Govt. of India from last 11 years (from 2004) and engaged in with national & international level science film festivals, science and technology communication campaigns and outreach activities for students, teachers, science communicators,journalists, TV producers and other stake holders. Recently took over the charge of Science Film Festival Division with the objectives to catalyse science films and promote young science film makers of the country.Initiated Indo-Russian Science Film Festival in collaboration with Russian Embassy, New Delhi.• Earlier to Vigyan Prasar, worked in the area of broadcasting & film making, and associated with various media organisations including ETV, Ramoiji Film City, Hyderabad, India (as TV Producer–children's programming); Zee Network (as Principal Researcher); Discovery Channel (as Writer) and Doordarshan & All India Radio, Public Broadcasting Units of India (as Programme Presenter) since 1997 to 2004. Produced over1000 hrs. of quality television software of different genera.

Dr Rekha Aggarwal

Dr. Rekha Agarwal is a senior editor with the National Council of Educational Research & Training (NCERT), and a well-known life science writer, columnist, and litterateur. She holds an honours degree in Life Sciences, and Masters in three diverse areas: English Literature, Journalism, and Book Publishing from University of Delhi besides a honorary Doctor of

Science for her contribution to Popularisation of Science.She has been a columnist for the Hindustan Times group, broadcaster with All India Radio and Doordarshan and has authored many books, which have been published by such major publishing houses as the National Book Trust,Vigyan Prasar, Rajkamal Prakashan, and Unistar books.Her contribution as science communicator and litterateur has won her wide recognition including several national awards:

- 1 Atmaram Samman, Ministry of Human Resource Development, Govt of India, 2006
- 2 NCSTC National Science Award, Ministry of Science & Technology,Govt of India, 2006
- 3 Sahityakaar Samaan (Litterateur Award), Hindi Akademi, Delhi, 2005
- 4 Dr Meghnad Saha Award (First woman recipient), Ministry of Science & Technology, Govt of India, 2002
- 5 Children's Literature Award, Hindi Akademi, Delhi, 1985

Sh B K Tyagi

As a member of NCSTC and Vigyan Prasar family I had the opportunity to work for all types of Sciences Communication modes and media and in the process, got involved with the best Communicators, having special skill in identified area. Science popularization involves more of methods and behavioural skills rather than high content and academic qualification. I had the opportunity of working with primary school children to elderly persons in the rural sector for achieving goals. During this period, at least 30 training modules and unique projects have been carried out by NCSTC and Vigyan Prasar, where I always took active role.

Few projects, which are worth mentioning due to their mass appeal and popularity in the country, have been totally because of my efforts in the last fifteen years:

- * Usage of Folk Art for Science Communication
- * Environmental programmes for schools & clubs
- * Activity camps and science fairs, exhibitions for various targets groups
- * Radio Serial on Biodiversity, life & work of Indian Physicists and Planet Earth Astronomy, Major Scientific achievements of India since Independence and currently being broadcast in 19 languages from 119 radio station as part of International Year of Chemistry.

Scientific explanations of so-called miracles, and so on

- * Establishment of Science Clubs and their networking.
- * Development of training module for Astronomical activities
- * Development of activities kits (latest one on Biodiversity and Weather as a sub theme of Planet Earth-2008 Programme.)
- * Development of material in the form of books, kits etc as per the need of specific target group.

These are just few taking shape of major science popularization movement.

I have also worked extensively with the concept of "Class Room Theatre For Science Education" to break the monotony of dull and age-old methods of teaching science.

More than five years of experience in Department of Science & Technology, Government of India, assisting in planning, development and initiation of programmes, projects and several schemes of DST such as: Medical Biology, Biology of Reproduction and S&T for Women.

Dr. Chadaram Sivaji

Dr. Chadaram Sivaji obtained his Bachelors Degree in Physics and Masters Degree in Geophysics from Andhra University in 1984 & 1987 and awarded Doctoral degree at Indian School of Mines, Dhanbad in 1992.. During the doctoral research Dr. Sival carried out research on performance of various geophysical techniques and estimated the deep crustal discontinuities beneath the central India region from gravity field data.

From 1991 to 1997, Dr. Sivaji worked at Indian Institute of Geomagnetism, geophysical surveys using resistivity, magneto-telluric and geomagnetis methods for delineating deep geological structure in the Himalayan collision zone were carried out. Designed experiments to monitor electromagnetic precursors to earthquakes in Delhi-Rohtak belt. During 1999-2001, Dr. Sivaji was honoured by Government of Japan with STA Post Doctoral Fellow at Geological Survey of Japan. Dr. Sivaji performed extensive research on seismic wave propagation through random heterogeneous media using Laser Doppler Vibrometer experiments and derived the empirical relationships between waveform fluctuations and scale length of heterogeneity.

Since 1998 onwards, Dr. Sivaji has been working at the Department of Science and Technology, Government of India. Dr. Sivaji has contributed to the promotion of research in earth sciences in India at various capacities and launched new research programmes on multi-disciplinary aspects of earth sciences.

During 2007-2008, Dr. Sivaji was honoured with Visiting Professor at Institute of Seismology and Volcanology, Hokkaido University.

Government of India appointed D. Sivaji as Science Counsellor of India to Japan to foster and promote S&T collaborations between India and Japan during July 2011 to July 2015. He has organized several high level delegation from India to Japan including Prime Minister Shri. Narendra Modi's visit to the Laboratory of Prof. Shinya Yamanaka, Nobel Laureate for Medicine in 2012.

Currently, Dr. Sivaji assumed charge as Director in Department of Science and

Technology, Ministry of Science and Technology, Government of India, New Delhi and involved in establishment of Sophisticated Instrumentation Facilities in the country.

Dr. Uday Kakroo Pl

Dr Uday Kakroo is a veterinarian by education (MVSc./BVSc., India) and he has over 37 years of active professional experience working with the government, private and social organizations in India at various senior positions. He cofounded <u>Millennium India Education Foundation</u>, a nongovernment organization in 2003, aimed mainly at community building, awareness among all sections of the society. In the recent past, his projects have included the revival of an old Indian script- Sharada by capacity building measures. He also organizes seminars and has published books on awareness building around Zoonosis (diseases communicated from animals to humans).

Snapshot





Inauguration Ceremony District: Gautambudh Nagar Vishwa bharti Public School Noida on 8.8.2015



Principal Ms Rashmi Kakroo addressing the participants at Vishwa bharti Public School Noida 8.8.2015



Addressing participant by Judge Er. Anuj Sinha



Debater speak towards the Motion.



Debater Speak for the Motion



Debater Speak against the Motion



Winner 1st, 2nd and 3rd (from left to right)



Participant Guatum Bhuddha Nagar District Level Competition at Vishwabharti Public School Noida



Participant Guatum Bhuddha Nagar District Level Competition at Vishwabharti Public School Noida



Inaugural function at Mamta Modern Public School Vikashpuri on dated 2.9.2015.



Judges; west Delhi District Level Debate competition at Mamta Modern Public School Vikashpuri



Participant west Delhi District Level Debate competition at Mamta Modern Public School Vikashpuri



Participant west Delhi District Level Debate competition at Mamta Modern Public School Vikashpuri



Debater Speak against the Motion



Debater Speak for the Motion



Debater Speak against the motion



Dr. Uday Kumar kakroo Director MIEF addressing the Students and Participant about Program



Addresses by Dr. Kankani Gupta (Judges) Venue: Mamta Modern Public School Vokashpuri Dated:



Distribution of Participant Certificate.



Judges for West Delhi Distric Level Debate competition at Venue: Mamta Modern Public School.



Display Banner Central Delhi Distric level Debate Competition at Venue: Nava Hind Girls Sr. Sec. School on 18.8.2015.



Registration Desk at Nava Hind Girls Sr. Sec. School New Delhi Date: 18/08/15



Facilitation to Smt...... Judges by Principal at Nava Hind Girls Sr. Sec. School Date: 18/08/15



Participant for Central Delhi District Level Debate Competition at Nava Hind Girls Sr. Sec. School



Participant for Central Delhi District Level Debate Competition at Nava Hind Girls Sr. Sec. School



Debater Speak for motion



Debater Speak against the motion



Debater Speak for the Motion



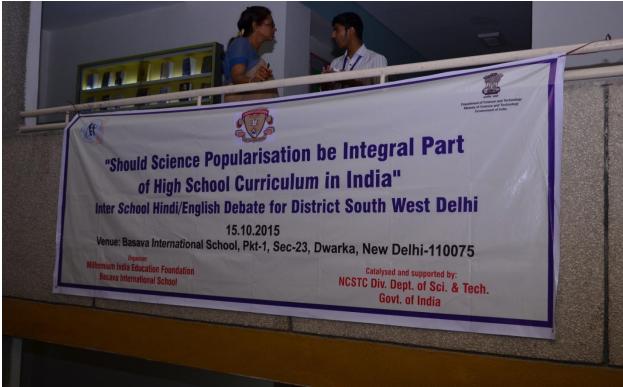
Interjector ask the question to Debater.



Distribution of participant certificate at Nava Hind Girls Sr. Sec. School New Delhi

Date: 18/08/15





Display Banner South West Delhi District Level Debate Competition at Basawa International School Dawarka on 15.9.2015.:



Registration Desk at South West Delhi District Level Debate Competition at Basawa International School



Facilitation to Judges Mr.



Participant for South West Delhi District Level Debate Competition at Basawa International School



Inauguration of program



Interjector ask the question



Debater Speak against the Motion



Debater Speak For the Motion



Debater Speak Against the Motion



Panel of Judges



South West District Level Winner first and second



Best speaker award



Distribution of Participant Certificates



Refreshment for Guest



Display Banner South East Delhi District level Debate Competition at Delhi Public School Mathura Road Delhi on 30/10/15



Facilitation to Dr. Uday Kumar kakroo Director MIEF at DPS Mathura Road Delhi



Panel of Judges from Left to Right Kinkinin Das Gupta, Anuj Sinha and Dr. R.S. Yaday



Debater Speak for the Motion



Debater Speak for the Motion





Participant South East Delhi District level Debate Competition at Delhi Public School Mathura Road



Guest During Debate competition



Distribution of Participant Certificates.



Display Banner Noth Delhi District Level Debate competition at Mount Abu public school Rohini Delhi on 14/10/15



Registration at Mount Abu public school Rohini Delhi



Participant



Facilitation to Judges by Principal



Addressing by Srmatii Ratna Sri Director Nehru Taramandal New Delhi.



Speak Against the Motion

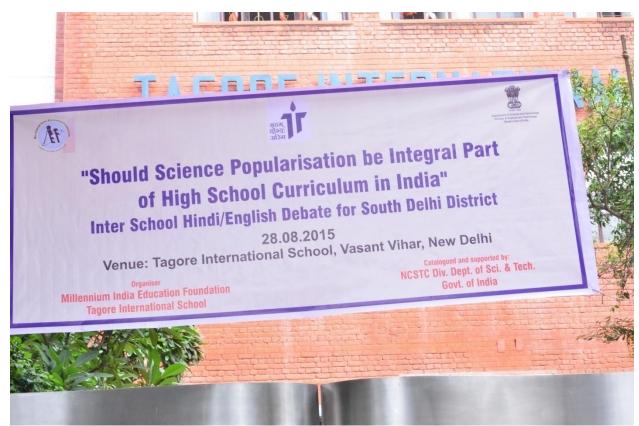


Debater Speak Against the Motion.



Interjector ask the question



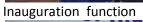


Display Banner South East District Level Debate Competition at Tagore International school Vasant Vihar New Delhi on 28/08/15



Registration Desk







Cultural Program Perfume by Student Tagore International School



Participant South Delhi District



Speak towards Motion of Debate



Speak Against the Motion



Debater speak against the Motion



Dr. Y.S. Yadav Addressing the Debate Competition



Refreshment for Judges and Guest.



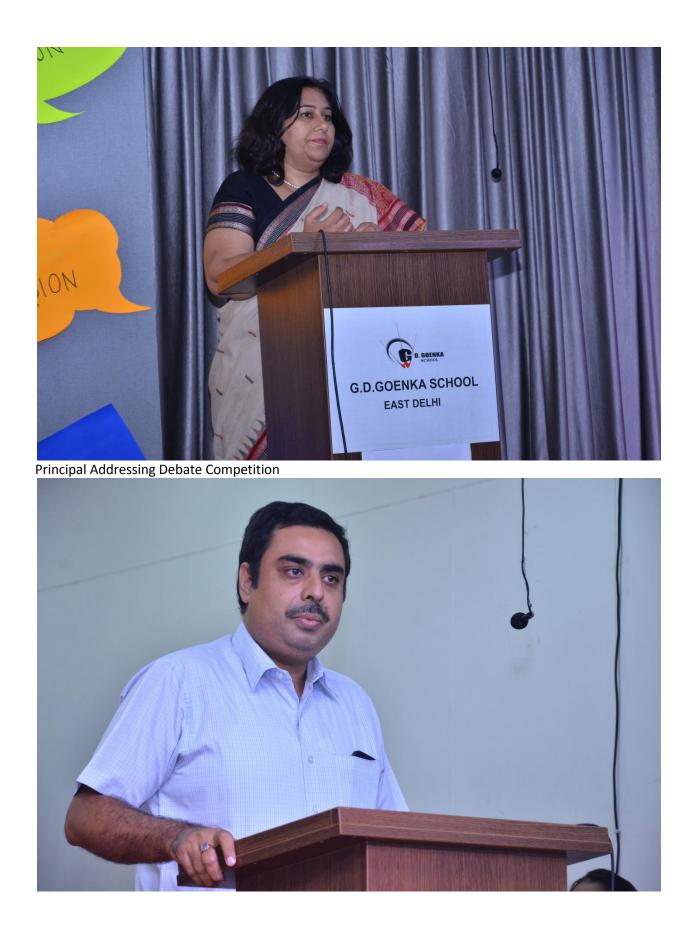
Display Banner Shahrada District Level Debate Competition at G.D. Goneka School on 28/08/16.



Registration Desk Shahrada District Level Debate Competition at G.D. Goneka School



Inauguration Function





Participants Shahrada District Level Debate Competition at G.D. Goneka School.



Participants.



Debater Speak Against the Motion



Debater speak against the Motion.



Interjector Ask the questions



Best Interjector winner Shahdra Delhi Distric.



Second Prize winer S.R.DAV Dayanand Vihar .

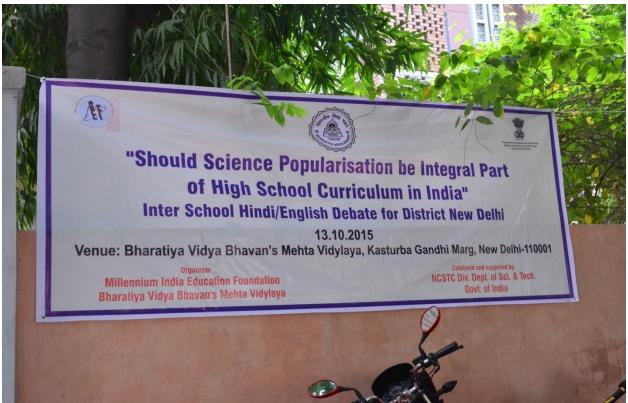


Second Prize DAV school Sereshtha Vihar New Delhi



Winner First Second Interjector and Beast speaker Winner.





Display of Banner Inter School Science New Delhi District level Debate Completion at Bhartiya Vidhya Bhawan New delhi on 13/09/15.



Registration Desk.



Inauguration Function



Inaugural Function.



Participants New Delhi District Level Debate Competition.



Facilitation to Er. Anuj Sinha By Principal Bhartiya Vidhya Bhawan New Delhi.



Debater Speak against the Motion



Debater speaks for the Motion.



Debater Speak against the Motion



Judges Desk



First Prize winner Bhartiya Vidya Bhavan K.G. Marg New Delhi(Vyusti Kumar and Dwaipayan)



Distribution of Certificates



Refreshment for Judges and Guest.



Display Banner Second round Delhi State Level Debate competition at DPS International School Pusp vihar New Delhi on 26/11/16.



Inauguration Function



Inaugural function by Dr. B.K. Tayagi Scientist DST Gov. of India



Facilitation to Dr. Uday Kumar kakroo MIEF Director .



Participant Second Round Delhi State Debate Level Competition.



Judges Second round



Debater Speak Against the Motion





Debater Speak against the Motion.



Dr. B.K. Tayagi Scientist DST Gov. of India Addressing the Participant.



Winner Selected for First Round (Runner First Round)



Distributing of Certificates for Delhi State Level Debate Competition.



Addressing Dr. Uday Kumar kakroo MIEF Director.





Display Banner outside the gate for Delhi State level Debate competition final Round at DAV Public School Sarestha Vihar New Delhi on 30/11/15.



Inaugural Function.



Inauguration By Dr. ABVP Mishra Ji Scientist. DST Gov. of India.



Facilitation to Dr. ABVP Mishra Ji Scientist. DST Gov. of India.



Participant for Delhi State Level Debate Competition.



Debater speak for the Motion .



Debater Speak Against the Motion.



Debater speak against the Motion.



First Prize winner Delhi state level Sartak Bhardwaj and Rupam Jha St. Marry School Dawarka .



Second Prize Winner Delhi State Level Shivani Jolly and Siddharth Modern Era Convent School Janak Puri



Third Prize Winner Delhi State level Debate Competition by tagore International school Pachsim Marg.



Winner Distric Gautam Budh Nagar Vishwa Bharti Public School Noida.



Winner District New Delhi Bhartiya Vidhya Bhavan New Delhi.



Winner District Sahahdra DAV Puublic School Sareshta Vihar.



Winner First Prize Distric South Delhi Air Force Golden Jubilee School .



Refreshment for Particiapnts.