



राविप्रौसंप NCSTC
Catalyzed & Supported by:
NCSTC, DST Govt. of India

SCIENCE FAIR ON USE OF MOBILE PHONE TECHNOLOGY & ITS IMPLICATION

From : 29th to 31st October-2014

At :

**Mamta Modern Senior Secondary School
H-Block, Vikaspuri, New Delhi-110018**



Organized by:



Hosted by:



Mamta Modern Sr. Sec. School

In Association with:



Please Help Foundation





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MAMTA MODERN SR. SEC.SCHOOL

'H' Block, Vikas Puri, New Delhi-110018

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E-mail: mamtamodernschool@hotmail.com

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FROM THE PRINCIPAL'S DESK



The landscape of Indian Education is evolving through various initiatives. We at MMS have provided a wide platform to a large number of students to explore their potentials and capabilities.

Taking on the responsibility of this school, I take up a challenging but rewarding task of providing holistic education to all. Looking at the present scenario, with rote learning taking the back seat and to enhance the problem solving abilities of students, we are trying our best to promote Science in our school by organizing various science related activities like quiz, debates, seminars and model making etc. where the students can have hands on experiences.

My message to all the budding scientists is to think of success as a holistic process which is a combination of zeal, determination, dedication and leadership. But the most important of all is 'Believe in yourself.

Since we are privileged to host Science Fair on "Use of Mobile Phone Technology and Its Implication", this year organized by NCSTC, DST Govt. of India& Key Foundation, my heartfelt wishes go to all the participants that, one day they emerge as future scientists.

With warm regards,

Mrs. Pallavi Sharma

Principal

Mamta Modern Sr. Sec. School

A MESSAGE FROM THE SECRETARY

The Key Foundation has been working since 2007 in the area of Science & Technology, Health, and Education etc. The Key Foundation believes that the concept of involving students in science fair has many advantages. Science Fair is based on day to day observations that lead to inquiry and scientific research by utilizing scientific method. At the end, these students present a nice scientific research paper containing good data, graphs, result, and conclusion. If we have to prosper and succeed in this world, then we have to show our progress in science.



As we know this is the Era of mobile phones where different kinds of mobile phones are available in the market some are Tablets, Smart phones, Windows Phones etc. Young generation is habitual of using mobile phones in the form of messaging, chatting it is good but this craziness has high risk of health. At the corner of a bus stop, railway station, market etc. You must have seen people listening music, talking on phones but they are not aware about the radiation of using mobiles phones. Our target is to aware people about the use of mobile phones & its effect on health. This Science Fair is also based on to making people familiar with mobile uses and applications so that they can operate their mobile phones in easy way. This Science Fair will popularize & educate people about the Science & Technology of Mobile Phones.

Our main target is to promote scientific attitude in using mobile phones among students, teachers and people so that they know benefit & risk of Mobile Phones. The Key Foundation has taken a step towards to aware the people about the use of mobile phones and is going to organize "Science Fair on use of Mobile Phone Technology & its implication".

Regards,

S.M. Faizani
Secretary
Key Foundation

INTRODUCTION OF KEY FOUNDATION

The Key Foundation has been working since 2007 in the area of Science & Technology, Health, and Education etc. The Key Foundation believes that the concept of involving students in science fair has many advantages. Science Fair is based on day to day observations that lead to inquiry and scientific research by utilizing scientific method. At the end, these students present a nice scientific research paper containing good data, graphs, result, and conclusion. If we have to prosper and succeed in this world, then we have to show our progress in science.

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With best wishes,

Dr. Rajni Bhatnagar
Chairperson
Key Foundation

ORGANIZING COMMITTEE MEMBERS

CHAIRPERSON



Mrs. Pallavi Sharma

Principal
Mamta Modern Sr. Sec. School

CONVENER



Prof. (Dr.) K.M. Rafi

General Secretary (NCSTC-Network & SAKSOI)
Director (Jahangirabad Institute of Technology)

ORGANIZING SECRETARY



Mr. S.M. Faizani

Secretary (Key Foundation)
Project Director (SAKSOI)

PROGRAMME COORDINATOR



Mrs. Sandhya Srivastav

Science Coordinator
(Mamta Modern Sr. Sec. School)





INTRODUCTION OF SCIENCE FAIR




As we know this is the Era of mobile phones where different kinds of mobile phones are available in the market. Some are Tablets, Smart phones, Windows Phones etc., Young generation is habitual of using mobile phones in the form of messaging, chatting it is good but this craziness has high risk of health effect. At the corner of bus stop, railway station, market etc. You must have seen people are listening music, talking on phones but they are not aware about the radiation of using mobiles phones. Our target is to aware people about the use of mobile phones & its effect on health and this Science Fair is also based on to make people familiar with mobile uses and applications so that they can operate their mobile phones in easy way. This Science Fair will popularize & educate people the Science & Technology of Mobile Phones.

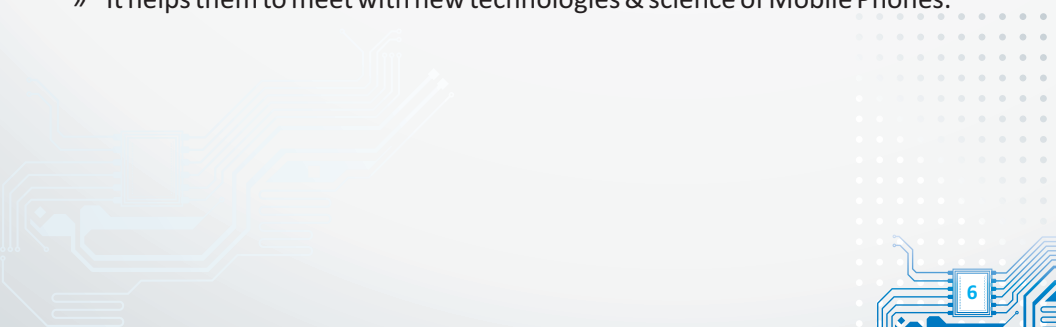
Our mainly target to promote scientific attitude of using mobile phones among students, teachers and people so that they have to know benefit & risk of Mobile Phones. The Key Foundation took step towards use of mobile phones and going to organize **“Science Fair on use of Mobile Phone Technology & its implication”**.

THE BASIC OBJECTIVES AND BENEFITS TO THE PARTICIPANTS

- » To create awareness of health of those living in the vicinity of cell phone towers is becoming a growing concern. Towers result into an area with concrete development along with destruction of natural features (vegetation etc) around the place. The towers also emit strong electromagnetic signals, which can be health hazard for those living nearby and who are getting exposed to strong radiations continuously during a good span of their lives.
- » To aware people about use of hands-free (wired/blue-tooth) can at times pass on loud sounds to our ears which can result in weakening of ear-drums. Nowadays, one can download lots of songs, so keeping the hands-free glued inside your ears for long hours can really affect the sensitivity of ears in the long run of life.
- » Some people (especially teens) get so much addicted to cell phones for talking, video, messaging, games, etc that they forget the real purpose of the phone and waste large part of their time in unnecessary interaction over their cell phones. To save their time from this addiction.
- » To aware people from electromagnetic waves of mobile phones and these electromagnetic waves cause important health problems like cancer.



Additionally, cell phones often affect the electronic systems used by equipment like cars, ABS (automatic brake system), and computers. This can cause big problems, such as accidents.

- » Awareness of Scientific software/application in mobile phones, such as: 3D Brain, 3D Cell, 3D Cell stain simulation, ACS Mobile, Atom in box, Mobile Science, Brain Lab, Calc Kit, Bio Techniques, Bio GPS, Chem+, Chem Doodle Mobile, Chem Formula, Chemical Safety Data Sheets-ICS, Cell Imaging HD, Clinical Trials.app, Elemental, Epi central, Google Earth, i Maths etc.
 - » M Learning (Mobile Learning) provides a potential way forward for the expansion of education programmes to larger segments of the population rather than via the e learning model that has been adopted in much of the developed world. M Learning allows a method of educationally delivery that could be more cost-effective than e learning methods.
 - » Mobiles can also supposedly facilitate knowledge-centred learning by providing efficient and inventive methods by which students can learn with understanding meaning that they deepen their understanding of a specific subject matter rather than merely memorizing large amounts of information- and then this knowledge as a basis for new learning through integration and interconnection.
 - » Students Projects that demonstrate the use of mobile phones for educational (formal and non-formal) purposes.
 - » Students start their participation in science & technology Fairs.
 - » Their ability to think and do observation improves; they develop new talents and skills.
 - » People will aware with the science of mobile phones.
 - » Scientific Workshop based on Mobile Phone's Radiation and its effect on health wills aware participants.
 - » It helps them in using Mobile Phone's Technology.
 - » It helps them to meet with new technologies & science of Mobile Phones.
- 

ACTIVITIES & EVENTS

ACTIVITIES

1. Mobile Radiations & Health Hazards. (Workshop)
2. Scientific Way of Using Mobile Phones. (Workshop).
3. Scientific World of Mobile Applications.
4. Journey of Mobile Phones. (Quiz Competition)
5. Science & History Of Mobile Phones (Lecture & Presentation).
6. Exhibition of Science & Technology Of Mobile Phones.
7. Easy Way Methods of Learning Mobile Phone Technology.
8. Workshop on Image Resolution, High Definition (Hd) Etc.
9. Exhibition of Android Operating System.
10. Exhibition of Windows Operating System.
11. Exhibition of Java Operating System.
12. Exhibition of Bada Operating System.
13. Exhibition of Symbian Operating System.
14. Mobile Phones Scientific Background (Lecture & Presentation)
15. Effect of Electromagnetic Radiation of Mobile Phones on Health. (Lecture & Presentation).
16. Hands on Activities and Much More...

EVENTS

EVENT-I (Quiz)

Theme: Journey of Mobile Phones

NUMBER OF PARTICIPANTS FROM EACH SCHOOL:

Category A - Class IX and X - Two Students.

Category B - Class XI and XII - Two Students.

EVENT- II (DRAMA)

Theme: Mobile Technology

Sub. Theme: Wonders of Mobiles, Mysterious World of Mobiles.

Time Duration: 8 to 10 minutes.

NUMBER OF PARTICIPANTS: 5 TO 7



JUDGEMENT CRITERIA:

- » Scientific content
- » Presentation
- » Utility of props.
- » Message to the society.

EVENT-III (PAPER PRESENTATION)

- Themes:
- Mobile Phone technology
 - Mobile Phone Radiation effects on health.
 - Mobile Phone effects on daily life.
 - Mobile Phone effects on EconomyTime
- Duration: 8 minutes.

Participants shall make his/her presentation on the given topic for maximum duration of 6 minutes. This will be followed by two minutes question- answer session with judges on same topic.

Participants: Students of class –IX to XII.

Number of Participants: Two From Each School.

JUDGEMENT CRITERIA:

- » Scientific content in presentation
- » Fluency
- » Viva
- » Novelty in use of visual

EVENT -IV (ENACTMENT THROUGH MIME)

Theme: Pros and Cons of Mobile Phone Technology

Time Duration: 3 to 4 minutes.

Participants: Students of class –IX to XII.

NUMBER OF PARTICIPANTS: ONE FROM EACH SCHOOL.





JUDGEMENT CRITERIA:

- » Scientific Concept
- » Enactment
- » Utility to the Society

EVENT -V (POSTER COMPETITION)

Theme: Mobile and Society
Time Duration: 40 minutes.
Participants: Students of class –IX to XII.
Number of Participants: One from each school.

NOTE (FOR EVENT-III):

1. Participants have to submit both hard copy(A 4size special bind) and soft copy (CD) dully labelled at registrations counter.
2. For hard copy:
 - » Font size 12
 - » Type :Times new roman
 - » Margins from all the sides-2.4
 - » Both sides printed
 - » Should have reference/bibliography.



PRIZE

- » All participants will get Participation Certificate in individual category.
- » Winners will be awarded with cash prize and trophies.
- » Prize distribution will be held on last day of the science fair.



RULES FOR PARTICIPANTS

- a. Participants must be in school uniform along with their school Identity Cards.
- b. The competition is open for class 9th to 12th.
- c. The number of participants should be 3 to 5 from each school.
- d. Two participants are allowed to present their research papers/report on stage.
- e. One model based on – ‘Mobile Phone and Its Implication’ must be presented (Two participants).
- f. Participants will have to submit two hard and soft copies of their research papers/reports.
- g. Participants should report half an hour before at the place of event.
- h. Participants will not be allowed to leave the venue before the commencement of an event.
- i. Participants/Escort teachers are requested to submit their feedback form positively.
- j. Kindly help us in maintaining the discipline and cleanness of the venue.



PROGRAMME LAYOUT



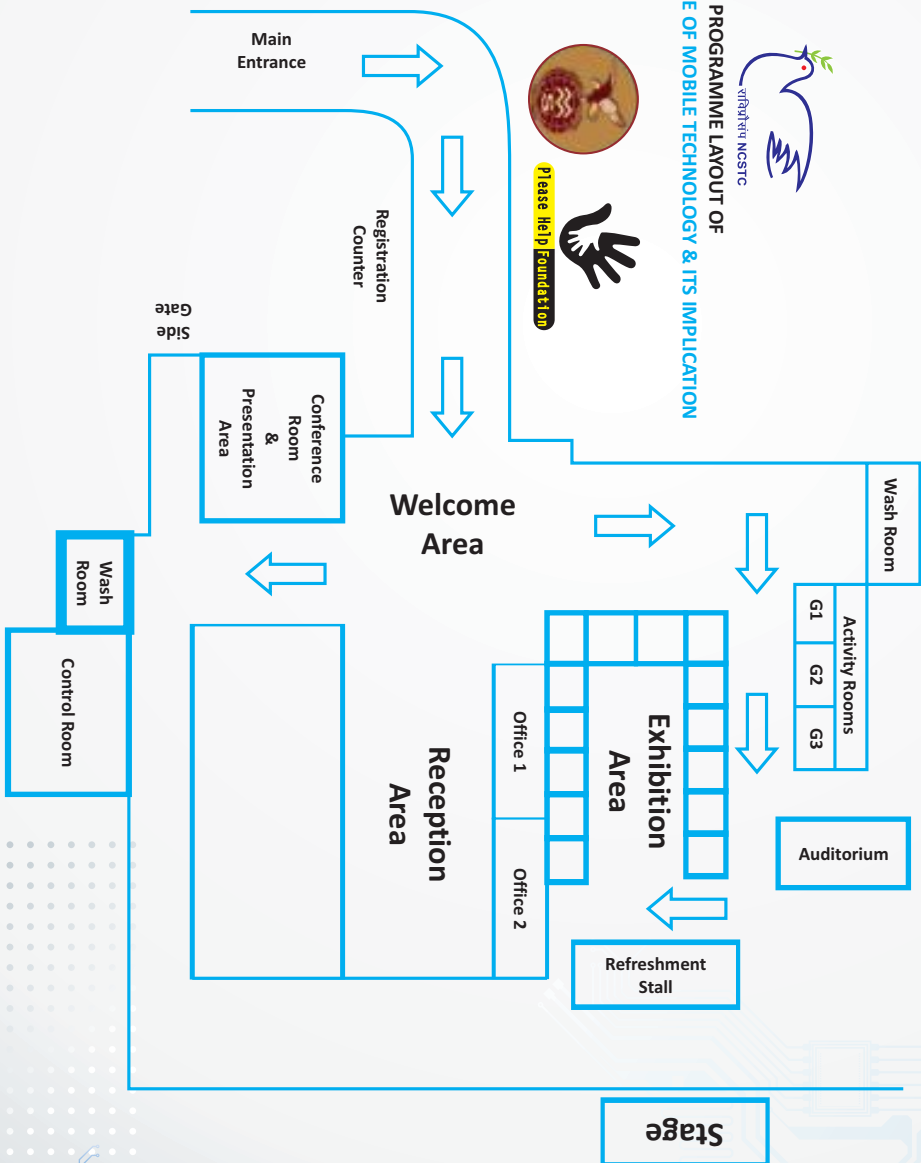
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PROGRAMME LAYOUT OF

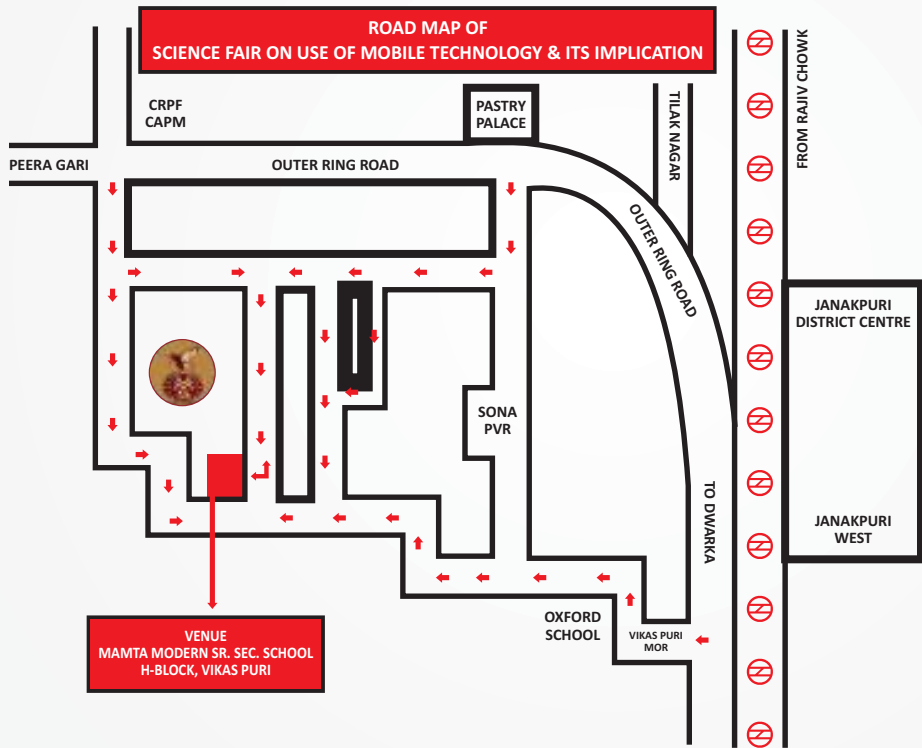
SCIENCE FAIR ON USE OF MOBILE TECHNOLOGY & ITS IMPLICATION



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ROAD MAP OF VENUE





*Thank
You*



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