



केन्द्रीय विद्यालय भारतीय विज्ञान मन्दिर, बंगलोर - ५६००१२

केन्द्रीय विद्यालय, भारतीय विज्ञान संस्थान, बंगलोर 560012

KENDRIYA VIDYALAYA, INDIAN INSTITUTE OF SCIENCE, BENGALURU – 560 012

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Date: 21.07.2014

To,
The Deputy Commissioner,
Kendriya Vidyalaya Sangathan
Regional Office, Bangalore

Sir,

Sub: Report on 2 days Mathematics Workshop –reg

With reference to the above mentioned subject, please find the report on workshop for mathematics teacher's conduct in Indian Institute of Science for your kind perusal and necessary action.

A BRIEF REPORT ON TWO DAYS WORKSHOP FOR MATHEMATICS TEACHERS

ON 4th & 5th July 2014

CONDUCTED BY

AZIM PREMJI UNIVERSITY AND RAMANUJAN MATHEMATICAL SOCIETY

VENUE: IISc MATHEMATICS DEPARTMENT

ORGANISER :KVIISc BANGALORE

4th July 2014

The programme started with the invocation by KV IISc children seeking the blessings of the god. The welcome address was given by Mr K N Bhat , Principal,KVIISc Bangalore highlighting the importance of mathematics teaching and its impact on present situation on both teachers and students as well. MrsSneha Titus of AzimPremjiuniversity briefed about the workshop and its need to take special care and interest towards the children for the better understanding of Mathematics.

Dr.PhoolanPrasad ,Mathematics Department, IISc spoke on the contribution of Ramanujan Mathematical Society to Mathematics teaching in schools .The vote of Thanks was given by Mr N Karuppannan ,PGT(Maths),KV Hebbal.

After the breakfast a session was conducted by Mrs. Sneha about the topic at Right Angles .The session began with the self introduction of teachers by mentioning the date of Birth .This particular fact was taken as birthday paradox and Mrs. Sneha explained about how coincidence occur in date of birth and probability can be used to explain this. Later technology and its use in Mathematics teaching and how important is the use of computers in the present scenario to understand mathematical concepts. It was a very interesting and interactive session were the participants took part very actively.

The session after the tea break was conducted by Prof KausalVerma , Mathematics Department, IISc on Solving equations in general especially highlighting cubic equations.

After the lunch the session was conducted by MrsSneha on Tessellations with the help of group activity on regular and semi regular tessellations.

The last session of the day was give as discussion sessionconducted By DrPhoolanPrasad on the following topics

- 1) Problems faced by the teacher on day to day teaching of Mathematics.
- 2) Information on college programme in Mathematics.
- 3) Use of School Mathematics related softwares.

Feedback on the day's programme was conducted at the end.

5th July 2014

The morning session was conducted by Mrs.Sneha on the topic Monty Hall Problem which was very interesting and the activities given by her was really interesting and brainstorming .This activity lead to the understanding of conditional probability and Baye's theorem. Continuing the session she gave a very interesting problems on 'A Fair divison' using geogebra and slicing the plane

After the tea break the session was conducted by Prof KausalVerma on Nine Point Circle theorem using complex analysis. It was very interesting and informative.

After the lunch the session was conducted by MrsSneha on dividing the strip into five equal parts based on limits .Continuing the session she explained about how to solve the problem step by step as explained by G Polya.

After the teabreak the session was taken by Prof KausalVerma on Geometry of equations by explaining quadratic equation and family of lines and curves. Very interesting results were given on family of curves and their behaviour.

Feedback session was conducted by inviting participants to give their opinion about the workshop.

At the end vote of Thanks was given by The Principal ,KVIISc.

Overall programme went very well and found fruitful.KVs may continue the partnership with Azim Premji University and Ramanujan mathematical society for training our maths teachers.

Thanking you,

Yours faithfully,

Encl:

1. Report of Azim Premji University and Ramanujan mathematical society
2. Programme Sheet
3. List of Participants

(K.N.BHAT)
PRINCIPAL

