

A REPORT ON “ FOUNDATION OF MATHEMATICS”



'The only way to learn mathematics is to do mathematics.'

~ Paul Helmos

Dear madam

It was such a delight to attend the session organized by DPS Society on topic- Foundation of Mathematics. It was scheduled on February 8th, 2022. The online session began with a cheerful welcome by Mrs. Rukmani Ramachandran and Mrs Ruby . The resource persons' discussed that the foundation of mathematics can be conceived as the study of theory, the relationship of different models of a theory and their interaction with the formal language itself. In particular, model theorists also investigated the sets that can be defined in a model of a theory , and the relationship of such definable set to each other. Ms Ruby also explained about the sequencing & numbering that how this will be implemented with the students. The mathematical investigation of what underlies the philosophical theories concerning the nature of mathematics. She also told about the main branches of mathematics.

1. Number theory

2. Algebra

3. Geometry

4. Arithmetic

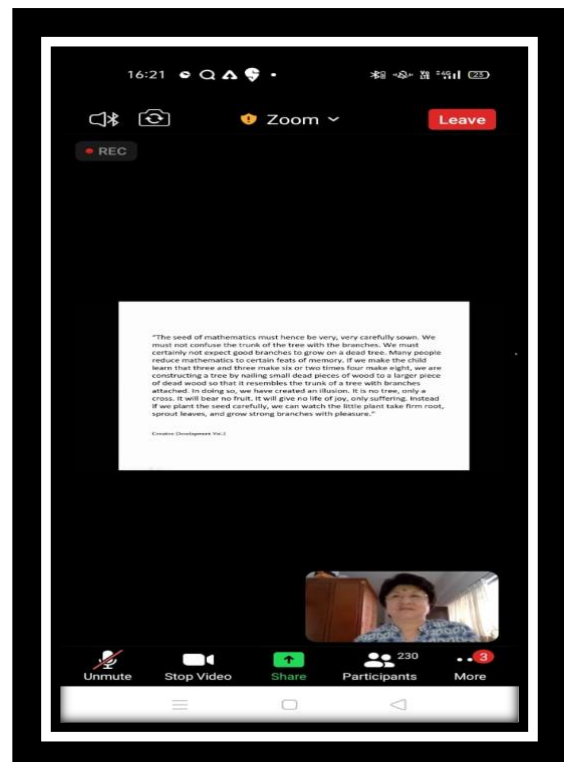
5. Combinators

6. Topology

7. Mathematical Analysis

Both of the resource persons' ended the webinar with the words " The seed of mathematics must be very carefully sown. We must not confuse the trunk of the tree with the branches. We must certainly not expect good branches to grow on a dead tree. Many people reduce mathematics to certain feet of memory. If we make the child learn that three and three make six or two times four make eight, we are constructing a tree by nailing small dead pieces of wood to a large piece of a dead wood so that it resembles the trunk of a tree with branches attached. In doing so, we have created an illusion. It is not a tree, only a cross . It will bear no fruit, it will give no life of joy , only sufferings . Instead, if we plant the seed carefully, we can watch the little plant take firm root, sprout leaves, and grow strong branches with pleasure." It was an attractive webinar and very fruitful for all the participants.

THE GLIMPSES OF THE SESSION



Report by: Shriya Kapoor