

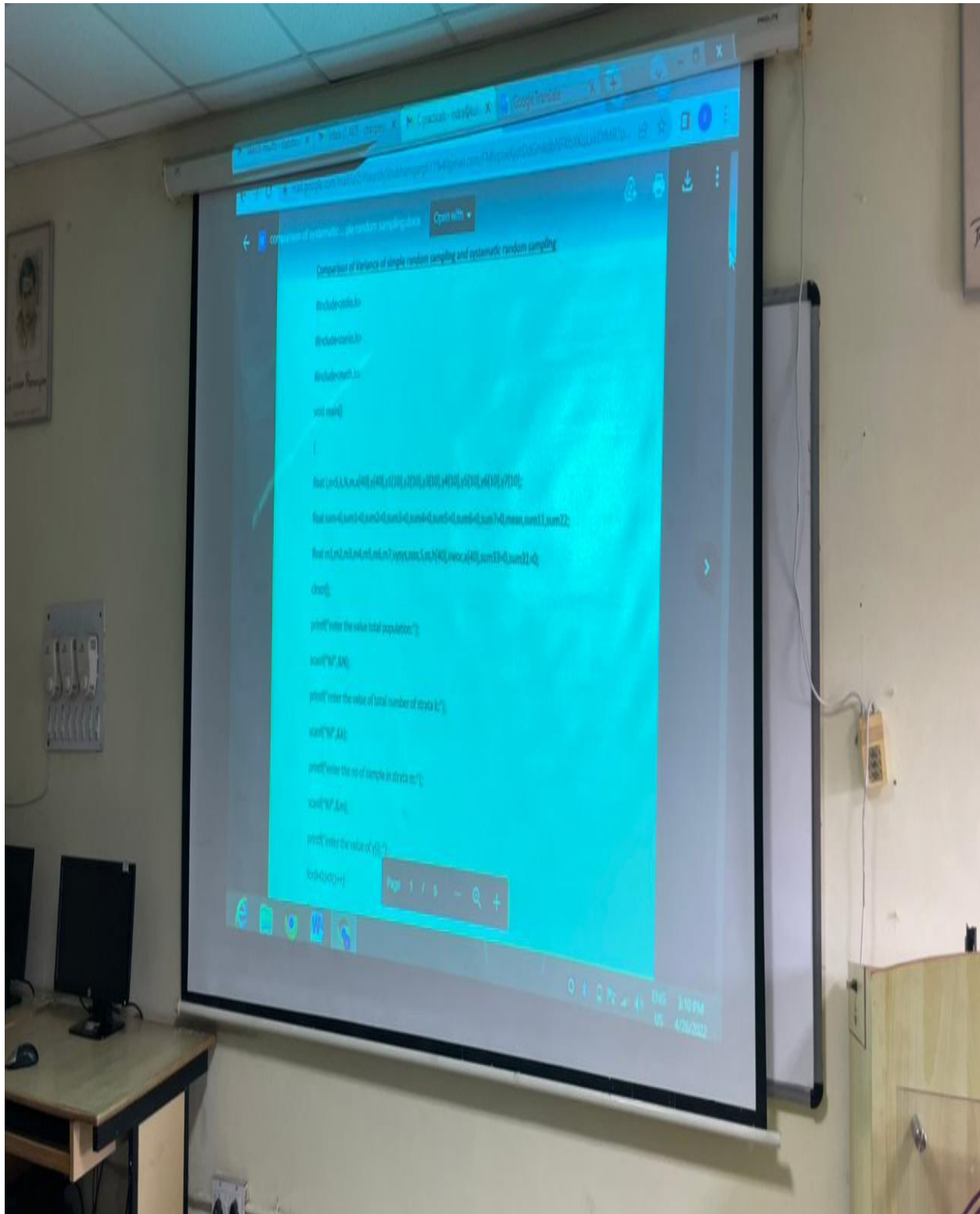


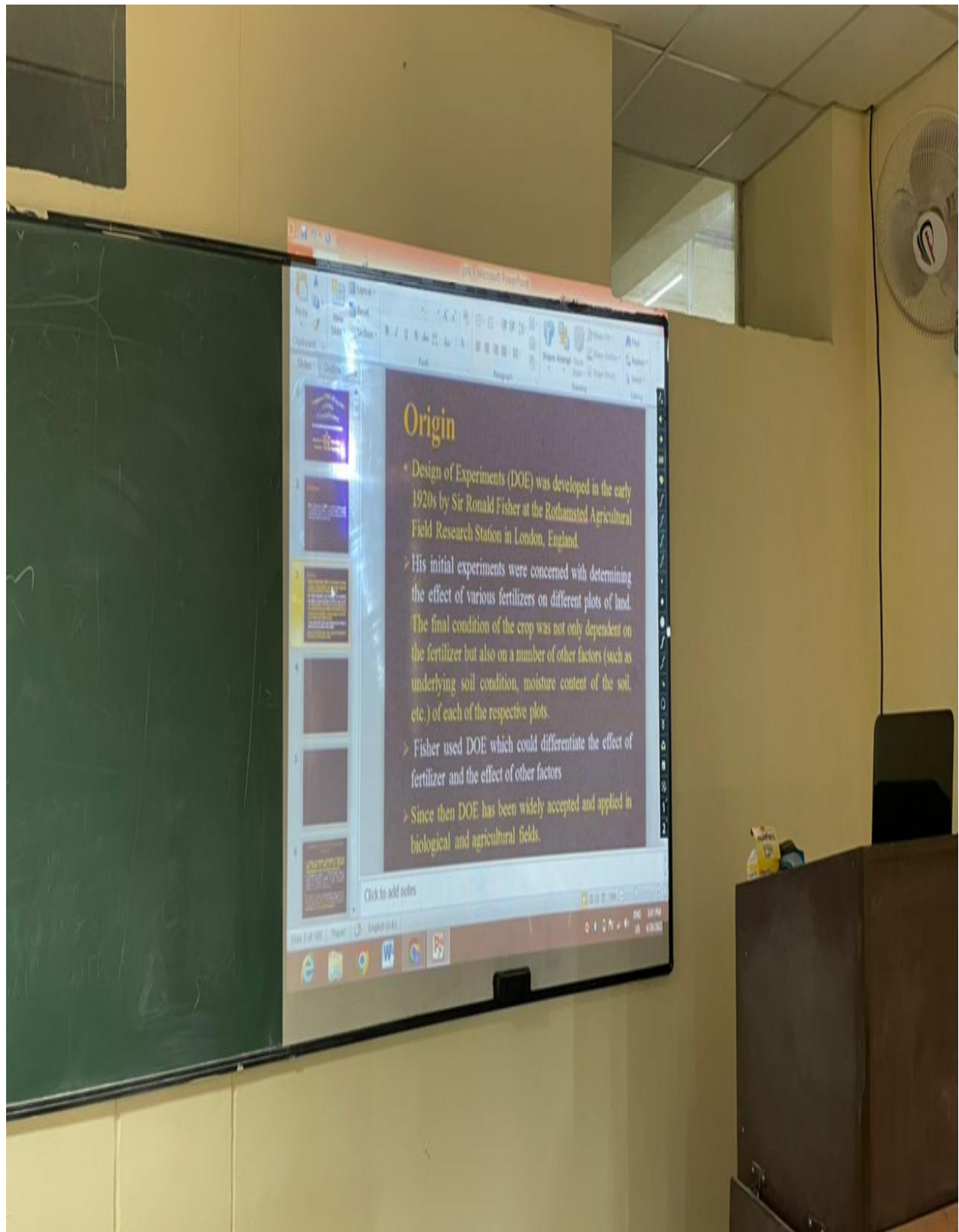
कुरुक्षेत्र विश्वविद्यालय कुरुक्षेत्र
KURUKSHETRA UNIVERSITY KURUKSHETRA
(Established by the State Legislature Act XII of 1956)
(‘A’ Grade, NAAC Accredited)

4.3.1

**Supporting Documents of
classrooms and seminar halls with ICT - enabled
facilities such as LCD, smart board, Wi-Fi/LAN, audio
video recording facilities(Data for the latest completed
academic year 2021-22)**

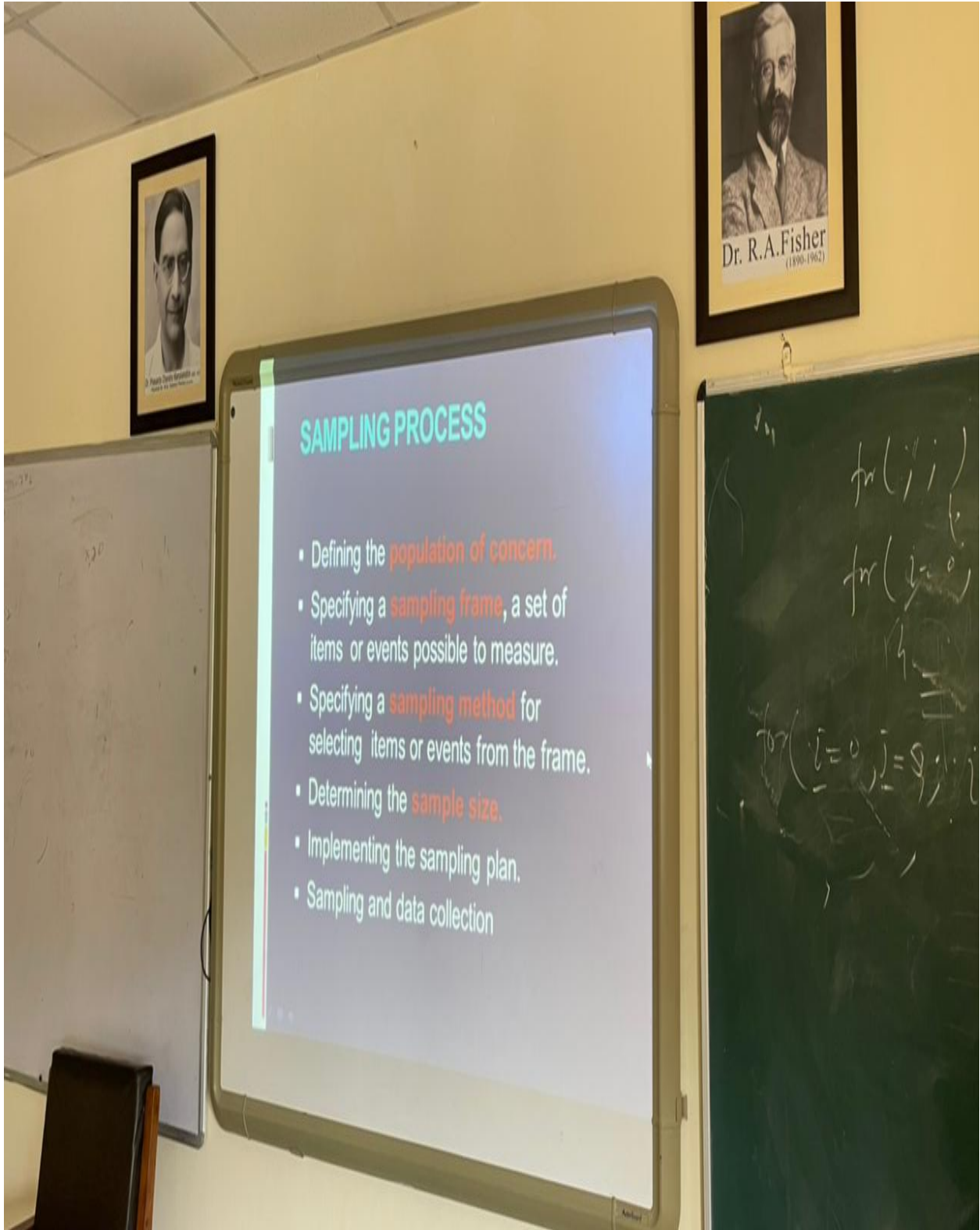
Department of Statistics & Operational Research





Origin

- Design of Experiments (DOE) was developed in the early 1920s by Sir Ronald Fisher at the Rothamsted Agricultural Field Research Station in London, England.
- His initial experiments were concerned with determining the effect of various fertilizers on different plots of land. The final condition of the crop was not only dependent on the fertilizer but also on a number of other factors (such as underlying soil condition, moisture content of the soil, etc.) of each of the respective plots.
- Fisher used DOE which could differentiate the effect of fertilizer and the effect of other factors
- Since then DOE has been widely accepted and applied in biological and agricultural fields.



SAMPLING PROCESS

- Defining the **population of concern**.
- Specifying a **sampling frame**, a set of items or events possible to measure.
- Specifying a **sampling method** for selecting items or events from the frame.
- Determining the **sample size**.
- Implementing the sampling plan.
- Sampling and data collection

Dr. R.A. Fisher
(1890-1962)

$$f_{ij} = f_{ji}$$
$$f_{i=0, j=0} = 0$$