

SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore - 641 107



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Topic: 2.1 – Introduction and application of design of experiments

Unit - TI Design of Experiments The objects upon which the measurements are taken are called experimental units. Basic principles in the Design of Experiment There are three basic principles Randomisation 2). Replication. · Local control (error control) Randomisation : A set of objects is said to be randomized when they are arranged in random order

The independent execution of an experiment more than once.

Kaplication :



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(2) Local Control. To provide adequate control of extraneous variables, another essential principle used in the experimental design is local control. This includes technique Such as graiping, blocking and balancing. Complete Block Designs: There are three such designs i) Completely Randomized Design (CRD) 2) Randomized Block Design (RBD) 3). Latin Square Design (LSD)