

**A Report on Guest Lecture titled**  
**“Optimizing Decisions-An Application of OR Models”**  
**Organized by Department of Management Studies - MITS**  
**Date: 12.12.23**



**Organized & Submitted by: Dr.V. G. Murugan, Assistant Professor, Department of Management Studies – MITS**

**Resource Person: Dr. G.Somasekhar, Assoc. Professor, Department of Management Studies, SRM University, Chennai**

**Time: 10:00 AM to 1:00 PM**

**Venue: Seminar Hall B**

**Participants : II-year MBA Students.**

**Attendance : 155, Students participated**

**Mode : Online**

**Report Received on 02.01.202**

Department of Management Studies has organized A Guest Lecture on Optimising Decisions-An Application of OR Models on 12.12.2023 from 10.00AM to 1.00 PM. Our Department HoD, Dr. K.V. Geetha Devi started this session with her words, and she has explained need and importance of Optimizing Decisions-An Application of OR Models in the business decision. Dr. V. G. Murugan, Asst.Professor Department of Management studies is introduced Resource Person and handover the session to Resource person Dr. G. Somasekhar. Resource person has discussed about optimization models which have three major components: decision variables, objective function, and constraints.

He also covered in linear programming models have been used to improve the efficiency of file allocation in distributed information systems. The objective function of this type of model is to minimize the differences between response times of servers.

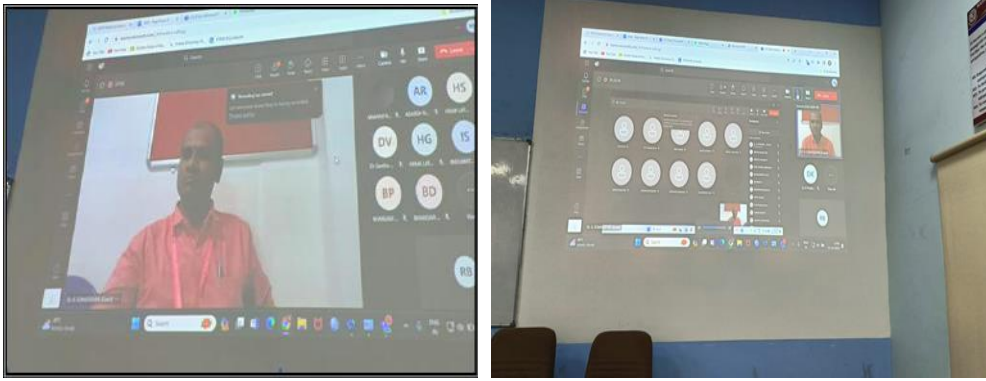
Examples of business optimization include: Introducing new methods, practices and systems that reduce turnaround time. Reducing costs while improving performance. Automation of repetitive tasks.



The resource person delivered lecture on the following topics:

- Linear programming models
- Decision Variables
- Objective function
- Constraints
- Non- Negative Conditions

Query session: session started by 12.40 p.m. to 1.00 p.m. Students have asked the questions like how This session was concluded at 1.05 PM followed by a vote of thanks, given by **Dr. V. G. Murugan**, Assistant Professor, and Department of Management Studies.



**Outcome:**

1. Students learned about the Optimizing Decisions using OR Models
2. Students gained knowledge about the recent trends in operations research.
3. The awareness has been created about the modern techniques used in production management.