



Use of excel solver for linear programming

[Summary]

Subject	: Business Economics
Course	: B.A., 5th Semester, Undergraduate
Paper No.	: 502
Paper Title	: Computational techniques for business economics
Unit No.	: 4 (Four)
& Title	: Linear programming and mathematical problem solving
Lecture No.	: 4 (Four)
& Title	: Use of excel solver for linear programming

Credits

Subject Co-ordinator

Dr. Kalpna Satija
Associate Professor,
SPIESR,
Ahmedabad.

Subject Expert

Vidhi Shah
Asst. Professor
GLS University
Ahmedabad.

Technical Assistant

Smita Bhatt
Archana Patel

Video Editor

Jaydeep Gadhvi

Multimedia

Gaurang Sondarva

Camera

Mukesh Soni

Technician

Mukesh Soni

Helper

Ambalal Thakor

Govindsinh Sisodiya

General Asst.

Jagdish Jadeja

Graphic Artists

Dilip Dave

Jaydeep Gadhvi

Production Assistant & Editing Concept

Mukesh Soni

Producer

Dinesh Goswami

SUMMARY

In conclusion, Excel Solver provides a simple, yet effective, medium for allowing users to explore linear programs. It can be used for large problems containing hundreds of variables and constraints, and does these relatively quickly, but as a teaching tool using small illustrative problems it is very potent, particularly as the student must appreciate the structure of a LP when entering it into the spreadsheet.

Overall, using Excel, which is familiar to a large number of students, provides a rich environment for teaching linear programming and it allows students to explore their models in a structured, yet flexible, way.