

EC III - FUZZY SETS AND THEIR APPLICATIONS

UNIT I:

Fundamental Notions:

UNIT II :

Fuzzy Graphs:

UNIT III :

Fuzzy Relations:

UNIT IV :

Fuzzy Logic:

UNIT V :

The Laws -of Fuzzy Composition:

TEXT BOOK(S)

A. Kaufman, Introduction to the theory of Fuzzy subsets, Vol.1, Academic Press, New York, 1975.

UNIT I	Chapter I: Sec. 1 to 8
UNIT II	Chapter II: Sec. 10 to 18
UNIT III	Chapter II: Sec. 19 to 29
UNIT IV	Chapter III: Sec.31 to 40 (omit Sec. 37, 38, 41)
UNIT V	Chapter IV: Sec.43 to 49

REFERENCE(S)

1. H.J.Zimmermann, Fuzzy Set Theory and its Applications, Allied Publishers, Chennai, 1996.
2. George J.Klir and 80 Yuan, Fuzzy sets and Fuzzy Logic-Theory and Applications, Prentice Hall of India, New Delhi, 2001.