PREFACE

This thesis embodies the results of studies made on some active circuits for application in instrumentation, communication and industrial control systems.

The work was carried out by the author in the Department of Electronics & Telecommunication Engineering, Jadavpur University.

The author wishes to record his indebtedness and gratitude to Dr.D.C.Patranabis, Professor, Department of Electronics and Telecommunication Engineering, Jadavpur University and Professor N.Majumdar, Head of Electrical Engineering Department, Jalpaiguri Government Engineering College, University of North Bengal for their invaluable advice and guidance in conducting the work. The author wishes to thank Dr.D.Ghosh Dastidar of Electronics and Telecommunication Engineering Department, Jadavpur University for his help in writing the computer programmes and Mr.D.Ghosh of the same department for his constant encouragement and help in the way of discussions.

The author wishes to thank Prof.J.S.Chatterjee, Prof. P.Kundu, Prof.A.R.Saha and Prof.P.C.Sen and also Mr.A.K. Chakraborty and Mr.D.Dey of Jadavpur University.

He also wishes to convey his thanks to the authorities of University of North Bengal and in particular to Mr.B.K.Bejpai, Registrar for the kind co-operation.

Also he thanks Mr.A.K.Ghosh of Macneill & Magor for helping to make the Xerox Copies of the thesis.

Lastly the author wishes to convey his gratitude to his sisters Buri and Chote for going through the typed manuscript with pain.

Salet brothy

(SAKTI BRATO ROY)

Jadavpur University
Department of Electronics
and Telecommunication Engineering
Calcutta-700032

and

University of North Bengal Jalpaiguri Government Engineering College Jalpaiguri-735102

May 1982.