

## BOOK REVIEW

BISWAS (N N): Essentials of Computer Programming in *FORTRAN IV*. pp, 125, Radiant Books, 511, Upper Palace Orchard, Bangalore-6, India, 1975, Rs. 16.00.

In the context of the fast growth in the number of computers being installed in several institutions and organizations in India, Computer Programming has become an important part of the training of engineering and science graduates. The present book is a text book, brought out to meet their requirements. Only an elementary knowledge of mathematics is required to follow the book. It will be useful for the instructors handling regular and intensive courses in FORTRAN IV and also for those who try to learn programming in a short time by self study.

There are nine chapters dealing with (1) Numerical Representation; (2) Arithmetic Operations and Expressions; (3) Relational Operators and Logical Expressions; (4) Reading and Printing; (5) Arrays; (6) Control and Decision Statements; (7) The Do Loop; (8) Sub-Programs; and (9) Illustrative Programs. Problems are added at the end of each of the first seven chapters. Four illustrative Programs are given in Chapter 9. All the programs in the book are said to have been tested in the IBM 360/44 Computer in the Indian Institute of Science, Bangalore. Three Appendices (A) On Flow Charts; (B) Mathematical Function Sub-Programs; and (C) Usual Form of Statements are included, followed by an Index.

As mentioned by the author in the Preface, he has followed a slightly unconventional approach in developing the subject. It may be seen from the contents that the book begins directly with the Numerical Representation, without any preliminaries like Organization of a Computer, Flow Charting, Programming, Programming Languages, etc. Illustrations have also been kept to a minimum. However it is felt that an introductory chapter, a few more Flow Charts and some illustrations to show the Fortran Coding Form, Card Format, etc., will enhance the usefulness of the book, particularly to the beginners and to those who use it for self study.

The author may also consider the addition of more Exercises with their solutions, when the book is revised.

The subject matter is well-developed in a concise manner. The book, with its moderate price, is bound to become popular among the students and instructors alike. It should also find a place in all computer centres and libraries.

Library, I.I.Sc.  
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T. K. S. IYENGAR  
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## Calendar of events: Conferences/Symposia at the Indian Institute of Science Campus

Sl. No.	Name of the School	Period	Sponsoring Department of the Institute
1.	Short Term Course on Vacuum Technology	14 February to 30 March 1975	Central Instruments and Services Laboratory
2.	Summer Institute in Molecular Structures	1-24 May 1975	Molecular Biophysics
3.	Indian National Science, Academy	16-17 May 1975	Physics
4.	Intensive Course on High Voltage Technique	25 May to 8 June 1975	High Voltage Engineering
5.	Ferrous Foundry Technology	11-28 June, 1975	Mechanical Engineering
6.	Molecular Biology of Bacteria and Bacterial Viruses	16 June to 12 July 1975	Microbiology and Pharmacology Laboratory
7.	Microwave and Millimeter Wave Communication	30 June to 12 July, 1975	Electrical Communication Engineering
8.	All India Symposium on Biomedical Engineering	22-25 July, 1975	Electrical Engineering
9.	Geo Physical Fluid Dynamic Workshop	7-20 July, 1975	Center for Theoretical Studies
0.	Organization of UNESCO Conference	1-15 September 1975	Mechanical Engineering
1.	Intensive Course on Fluid Engineering	20 October to 2 November 1975	School of Automation
2.	Lecture Course on Cavitation	Nov. to Dec. 1975	Chemical Engineering
3.	Crystal Chemistry for College Teachers	December 1975	Inorganic and Physical Chemistry

On the basis of the information received by the Editorial Office on 15th January 1975

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