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VAX/VMS FOR STUDENTS

NEAR EAST UNIVERSITY

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**PREFACE**

VMS is one of the most popular multi-user, multi-tasking, real­time operating systems currently used in industry as well as in research establishments, Universities and colleges. VMS operating system runs on the VAX range of mini and mainframe computers, manufactured by the Digital Equipment Corporation of the USA.

This book is a practical guide to the VMS operating system, aimed mainly for the students who are new to the VMS operating system. The book is of introductory nature and as such it is recommended to the first year students at the Near East University who are required to do programming exercises using the VMS operating system.

All of the examples presented in the book have been tried and tested on the MicroVAX 11 computer of the Near East University, running version 5 of the VMS operating system.

The book covers many aspects of the VMS operating system from user's point of view and it assumes that the users are familiar with the modern computing terminology.

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The chapters have been organised sue chapter are dependent in many cases upo previous chapters and as a result of this c be skipped.

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The recommended method if study is such that the students should have access to a VAX terminal while reading the book and attempt should be made to try all the examples given in the book.

**Dr. Dogan IBRAHIM**

**October 1993 - Nicosia**

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**INTRODUC·TION**

VMS is currently one of the industry standard multi-user, multi­tasking, real-time operating systems.

VMS operating system runs on the fast, highly reliable VAX minicomputers which currently have many different models, with different processing speeds and memory capacities.

The VMS operating system has been very successful and there are thousands of VMS systems in use throughout the world in Universities, government offices, laboratories and industrial organisations. One of the most important attractions of VMS operating system is that it is extremely easy to use and it is highly flexible. Another attraction of VMS is that it is available on a family of very large selection of VAX series of computers. VMS also finds many applications in real-time field and it is used in controlling and monitoring many industrial plants throughout the world.

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VAX computers can be networked using one of the most successful network LAN software packages called DECnet. VMS provides many LAN based commands and enables programmers to develop transparent network tasks so that users on one computer can very easily establish communication with other users on other computers in the network.

VMS operating system provides a very rich set of user commands and utilities and on-line help is provided on all o these commands and utilities.

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