INFORMATION COMMUNICATION TECHNOLOGY

STUDENT TEXTBOOK

Grade 12

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PREFACE

Information and Communication Technology (ICT) is so important in the world today that makes it imperative for every person to be competent in the use of ICT for the many tasks that one will have to accomplish. This book is written to provide excellent ICT skills for Grade 12 students of Federal Democratic Republic of Ethiopia. It is expected that the knowledge and skills gained through this book will help the students to use ICT in almost all their courses at school. The book covers selected topics in ICT which offer hands-on activities to help students in acquiring the advanced ICT skills.

The key features of this book will help the students to:

- acquire advanced ICT literacy.
- understand the Information Systems *i.e.* E-learning, E-commerce, E-government, E-banking, and E-libraries.
- have an overview of system analysis.
- enhance the use of software.
- develop interest and use ICT for learning in other subjects.
- exploit the Internet.
- understand the concept of webpage design and differentiate between the different kinds of websites.
- recognize the steps required for website design, and design a simple and attractive website.
- follow basic ethics in the use of ICT.
- use image processing and multimedia systems effectively.
- have excellent ICT skills which will serve them well in their future studies.

The text has been designed in a simple and user friendly way. It focuses on the applications of ICT, which change slowly. This book also illustrates the latest developments in the rapidly changing world of ICT. Review questions have also been given at the end of each unit.

In future years, the knowledge gained through this book will be very useful to students, in case they elect to follow a more-specialist course in Computer Science covering such areas as Computer Architecture, Systems Analysis and Design, Data Communications and Fundamentals of Programming.

Suggestions for the improvement of this book will be gratefully acknowledged.

Authors