Implementation of Program of logic control to Microcontroller Connection

تصميم ربط المتحكم المنطقي المبرمج بالمتحكم الدقيق

By:
Muawia Abdelkafi Magzoub

Thesis submitted to the Sudan University of Science and Technology for the partial fulfillment for the degree of MSc. In Telecommunication Engineering

Supervisor
Dr. Abdel Rasoul Gabar Elzobide

Department of Electronic
Faculty of Engineering
Sudan University of Science and Technology

August, 2008
This work is dedicated to:

 My Parents,
 Brothers,
 Sisters,
 Relatives,
 Friends,
 And colleagues.

 Who are looking forward
 To see this work in light
Acknowledgements

The acknowledgements section of the thesis is where the casual reader gains the rare opportunity to gain some insight into the lack of personality and lack of political skill of the writers. As such, it is avidly and assiduously read, the remainder of the thesis does not offer the committed reader such a thrill.

Having at least assured your attention thus far, I now thank:

Dr. ABD ELRASOUL GABAR, my supervisor (faculty of Eng., Sudan University of Science and Technology) for, his patience, guidance, generosity, valuable criticisms and encouragement throughout the course of research work and manuscript preparation.

Abumagzoub, for keeping my computer systems going while providing copious help leavened with deadpan humour.

O. Magzoub, for traveling down this road just ahead of me and rarely, if ever, hesitating to offer me the benefit of all of his extensive opinions.

President and teachers for, all what they gave from help to me from knowledge.

Infinite gratitude and appreciation are due to my family for their sacrifice, moral support and financing of this study.

I am so grateful to my brother Eng. M. kafi, KRC, for his infinite support.

Thanks are also extended to every one who once has given a lift.

Above all, I render my thanks and praise to Almighty Allah who offered mine all things to accomplish this work.