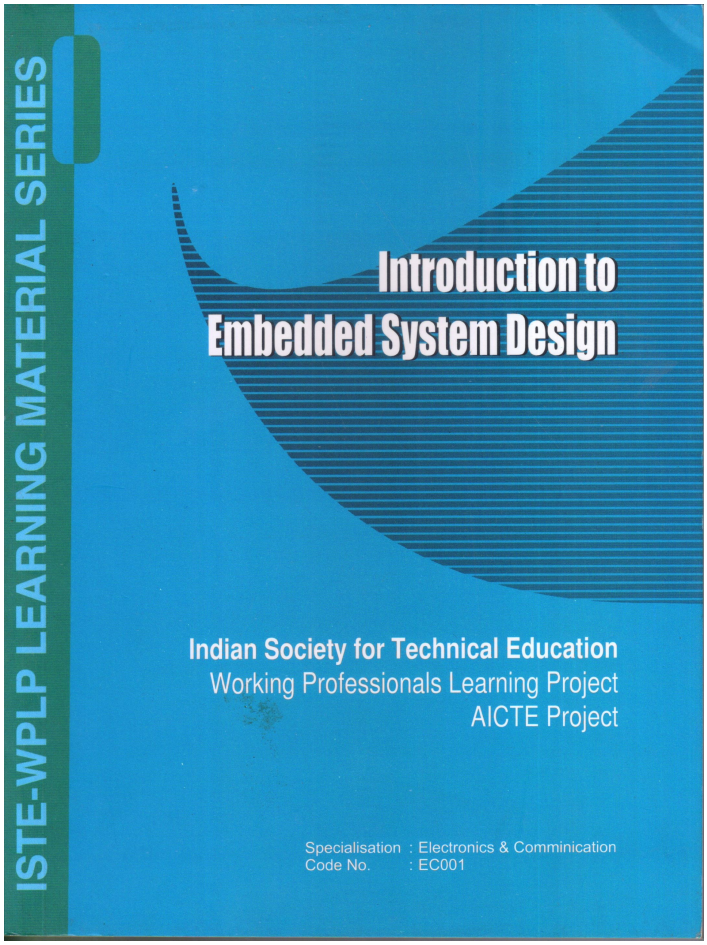

Introduction to Embedded System Design

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This course material is a result of the dedication and encouragement of many individuals. Our sincere and heartfelt appreciation goes to all of them. We are deeply indebted to Dr. B. S. Sonde, Ex.Vice Chancellor Goa University, who initially motivated and guided us for this work. We also take this opportunity to thank our colleagues and students for their helpful suggestions during the course of this project. The Teaching materials covers 14 chapters, 11 for Embedded systems part and 3 for Digital Signal Processing. Every slide gives points for teaching the contents accompanied by foot notes. Embedded systems is a state of art subject having a number of Industrial applications. Starting form the basics of microcontrollers to real time operation and interfaces are the important topics covered. Digital signal processing is a subject, which deals with processing of signals. DSP processors can perform special signal processing functions in a fast and efficient manner. It is essential to study the architecture of these processors and some basics of Signal processing. We are sure that this material will definitely be useful as a teaching material for the teachers and new engineers in this field.

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