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background with extensive use of diagrams, graphics and tables (around 400 throughout the book).

The book explains how the theory is translated into industrial medical products using a market-sold Electrocardiograph disclosed in its design by the Gamma Cardio Soft manufacturer. The sequence of the chapters

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reflects the product development lifecycle.

Each chapter is focused on a specific University course and is divided into two sections: theory and implementation.

The theory sections explain the main concepts and principles which remain valid across technological evolutions of medical instrumentation.

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