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Finally I get this ebook, thanks for all these I can get now!

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Cool! I'am really happy

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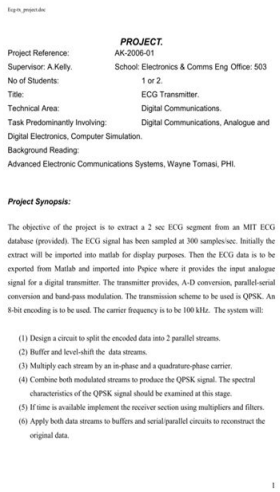
My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler

so many fake sites. this is the first one which worked! Many thanks



Eeg-ts_project.doc

PROJECT.

Project Reference: AK-2006-01
Supervisor: A.Kelly. School: Electronics & Comms Eng Office: 503
No of Students: 1 or 2.
Title: ECG Transmitter.
Technical Area: Digital Communications.
Task Predominantly Involving: Digital Communications, Analogue and Digital Electronics, Computer Simulation.
Background Reading:
Advanced Electronic Communications Systems, Wayne Tomasi, PHI.

Project Synopsis:

The objective of the project is to extract a 2 sec ECG segment from an MIT ECG database (provided). The ECG signal has been sampled at 300 samples/sec. Initially the extract will be imported into matlab for display purposes. Then the ECG data is to be exported from Matlab and imported into Pspice where it provides the input analogue signal for a digital transmitter. The transmitter provides, A-D conversion, parallel-serial conversion and band-pass modulation. The transmission scheme to be used is QPSK. An 8-bit encoding is to be used. The carrier frequency is to be 100 kHz. The system will:

(1) Design a circuit to split the encoded data into 2 parallel streams.
(2) Buffer and level-shift the data streams.
(3) Multiply each stream by an in-phase and a quadrature-phase carrier.
(4) Combine both modulated streams to produce the QPSK signal. The spectral characteristics of the QPSK signal should be examined at this stage.
(5) If time is available implement the receiver section using multipliers and filters.
(6) Apply both data streams to buffers and serial/parallel circuits to reconstruct the original data.

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