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signal processing simply explained is the field where tools are created for engineers and programmers to manipulate certain signals to solve problems it involves analyzing sounds or images to extract only the needed data for example the data from biosensors that shows how much oxygen there is in your blood is displayed in a pulse oximeter

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signal processing is the analysis interpretation and manipulation of acquired signals acquired signals must to be processed depending on the purpose of measurement a method of measurement and a property of acquired signals

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