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Smart Fridge, While the

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smart fridge hasn't yet reached that stage where it can order food items automatically ...

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engine. This system offers a new approach to control home appliances from a remote terminal, with an option from a local server, using the Internet.

Controlling Home Appliances Using Embedded Systems

Embedded systems perform specific tasks. They have Microcontroller as the main part which

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controls all the operations required through them. This article on examples of embedded systems can help you to get an idea of common systems which we use in our daily lives. These systems are smart and more efficient, which is increasing their use day by day.

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This relates to the Internet of Things (IoT); It ranks as a major accelerator in the spread of embedded technologies.

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parking meters and
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Washing ...

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Smart homes IOT (Internet Of Things) is closely knitted with embedded systems. All the appliances of a smart home which can be controlled via the internet are integrated with embedded systems.

Embedded Systems - Introduction, Basics, Parts & Applications

An embedded system

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is a computer system, made from a combination of hardware and software, that is used to perform a specific task. It may or not be programmable, depending on the application. Examples of embedded systems include washing machines, printers, automobiles, cameras, industrial machines and more.

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devices range from wearables, to smart meters, to smart appliances, to connected vehicles.

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Neumann, Stefan
Mahlknecht: Embedded
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Appliances and
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Springer, 2012, ISBN:
978-1441987945 [6]
Joseph Wenninger,

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Javier Moreno, Jan
Haase, Christoph
Grimm: Model Based
Design of Smart
Appliances, chap-ter in
book: Christoph
Grimm, Peter
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Smart Appliances and Smart Homes

An embedded system
is a computer
system—a combination

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of a computer processor, computer memory, and input/output peripheral devices—that has a dedicated function within a larger mechanical or electrical system. It is embedded as part of a complete device often including electrical or electronic hardware and mechanical parts.

**Embedded system -
Wikipedia**

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VLSI Design and Embedded systems, VTU, Belgaum
Abstract—Intelligent appliances with multimedia capability have been emerging into our daily life. Thanks to the fast advance of computing technology and the wide use of the Internet, smart home is one of the most prominent areas of intelligent appliances.

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consist of a "hypervisor
style" embedded
operating system
running on appliance
hardware. The
hypervisor layer is
matched to the
hardware of the
appliance, and cannot
be varied by the
customer, but the
customer may load
other operating

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systems and
applications onto the
appliance in the form
of virtual machines.

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