



# Introduction to Embedded Systems

By Mr Shibu K V

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## Introduction to Embedded Systems By Mr Shibu K V

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#### **About the Author**

Shibu has over nine years of hands-on experience in the Embedded & Real Time System domain with solid background on all phases of Embedded Product Development Life Cycle. He holds a B-Tech Degree (Hons) in Instrumentation & Control Engineering from the University of Calicut. He started his professional career as Research Associate in the VLSI and Embedded Systems Group of India's prime Electronics Research & Development Centre (ER&DCI-under the ministry of Information & Communication Technology, Govt. of India) Thiruvananthapuram Unit. He has conducted research activities in the embedded domain for Contactless Smart Card Technology and Radio Frequency Identification (RFID). He has developed a variety of products in the Contactless Smart Card & RFID Technology platform using industry's most popular 8-bit microcontroller-8051. Shibu has sound working knowledge in Embedded Hardware development using EDA Tools and firmware development in Assembly Language and Embedded C using a variety of IDEs and crosscompilers for various 8/16/32 bit microprocessors/microcontrollers and System on Chips. He is also an expert in RTOS based Embedded System design for various RTOSs including Windows CE, VxWorks, MicroC/OS-II and RTX-51. He is well versed in various industry standard protocols and bus interfaces. Presently, he is engaged with the Mobility & Embedded Systems Practice, Infosys Technologies Ltd, Trivandrum, Kerala, as Technical Architect.

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