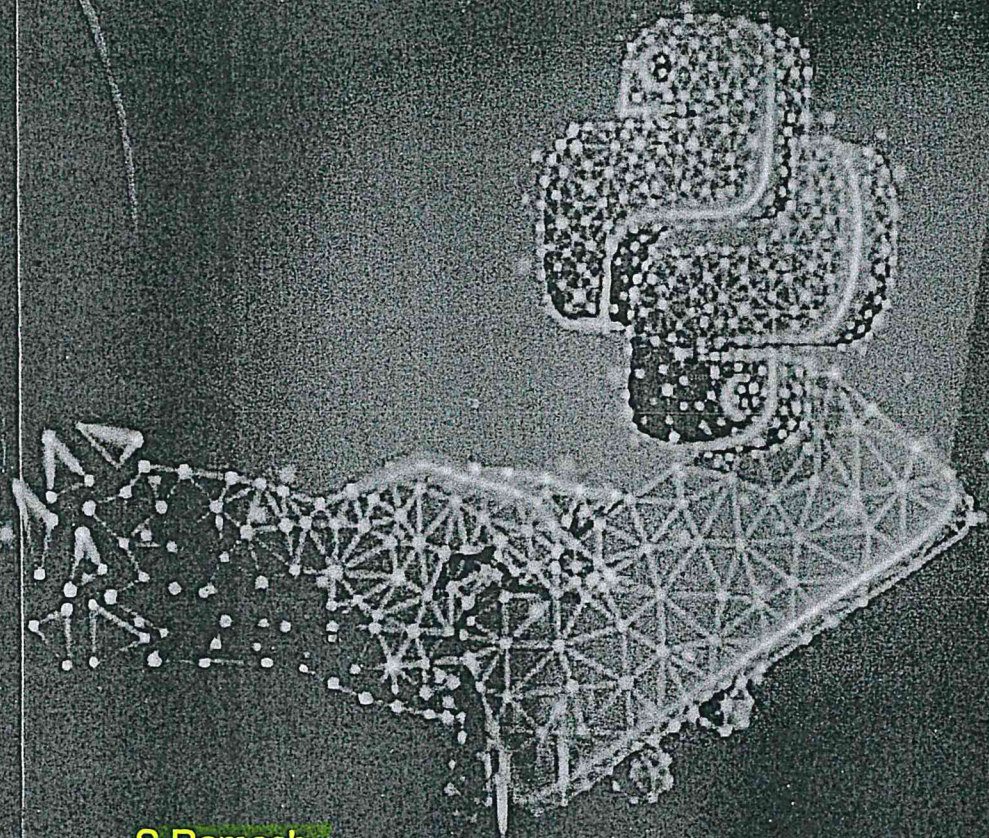


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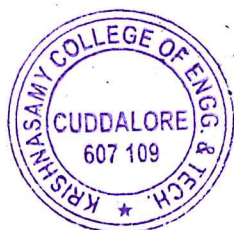
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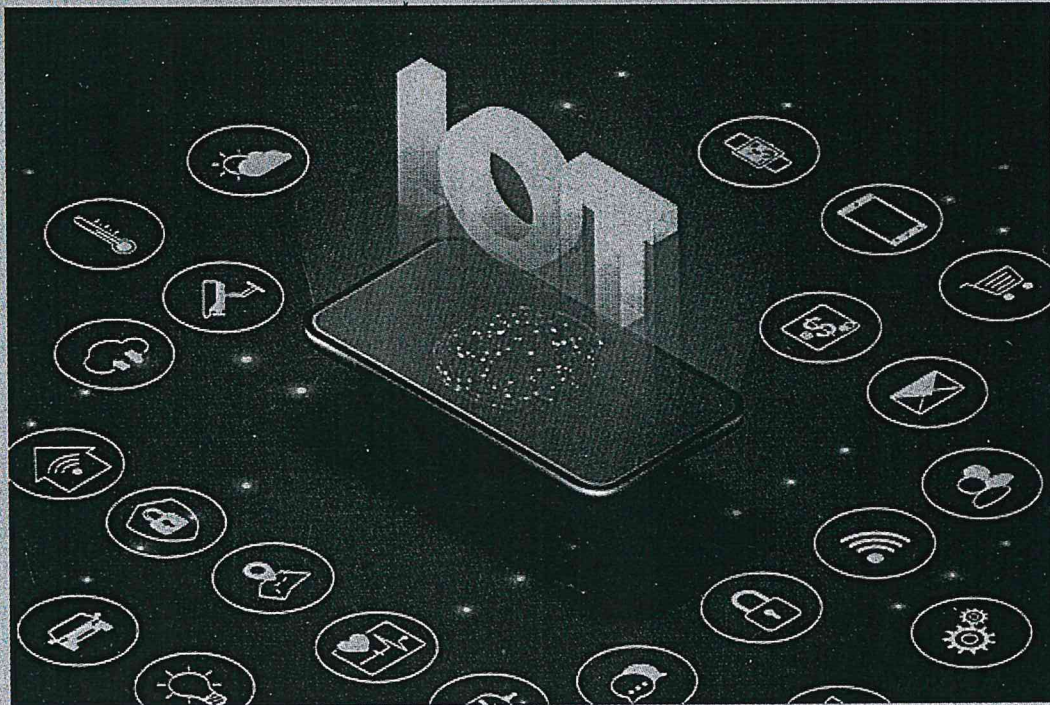
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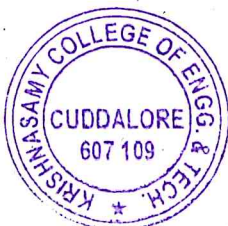
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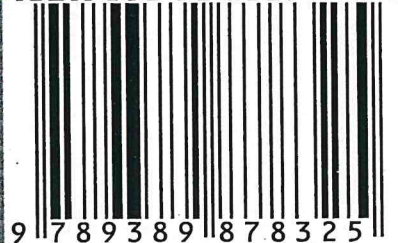
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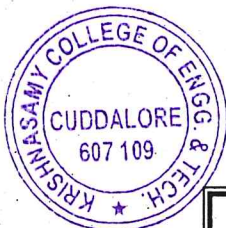
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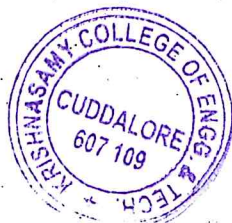
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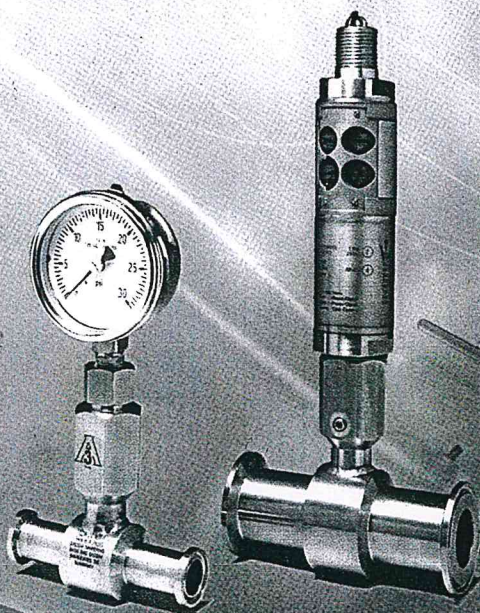
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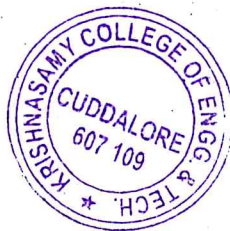
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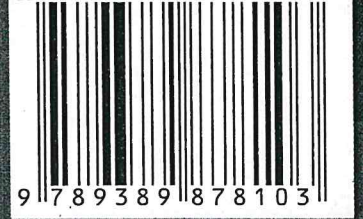
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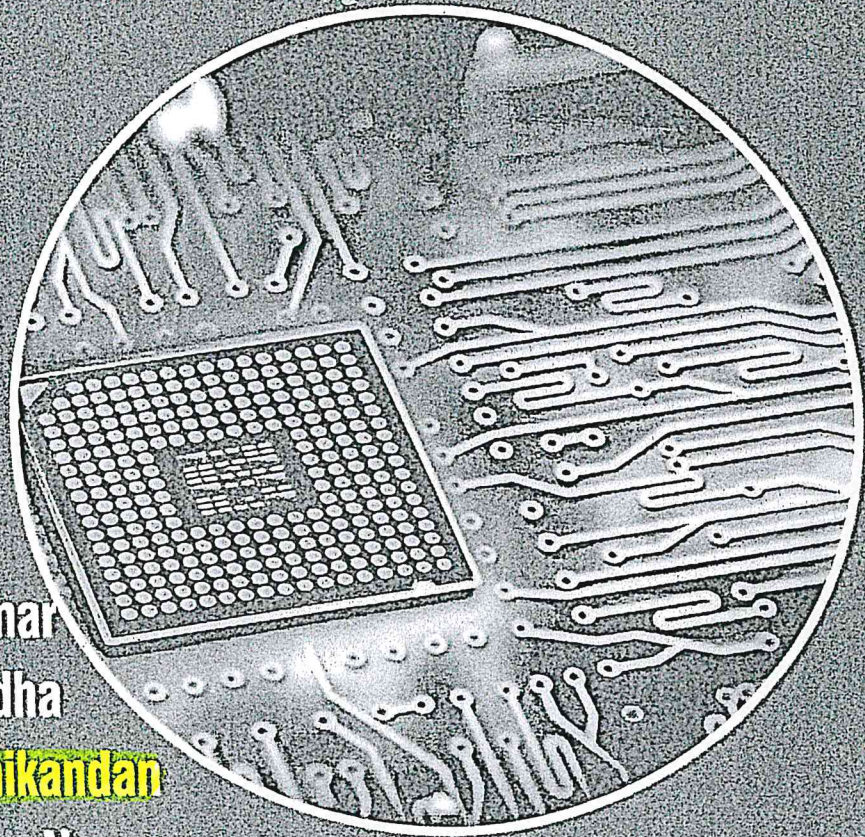
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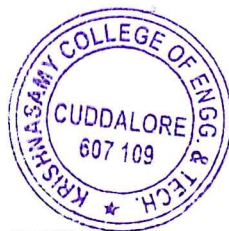
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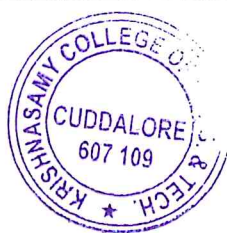
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PREFACE

The world of textbooks is evolving. On the one hand, creative-commons licencing and open source software have been huge triumphs; on the other hand, unapproved PDF versions of well-known textbooks are readily accessible, and it's time to think about going with the trend rather than against it.

The two sides of the same tapestry are information transmission and information protection, with the information-protection side having more intricate and multicolored threads. The more focused field of classical cryptography, which prevents unauthorised recipients from understanding a message's content but does not provide additional protection, lies at the heart of the information protection domain. A significant portion of this book deals with cryptography in the traditional sense, but in a sophisticated, modern manner. This book explores the fascinating intersection of computer science, informatics, engineering, mathematics, and computer science that characterizes the modern field of cryptography and information protection in general.

Information security is quickly expanding to encompass far more than the traditional ideas of point-to-point cryptography. Security and secrecy are now critical requirements in huge public networks. Numerous other significant challenges, such as those pertaining to authorization, certification, and authentication, are part of this broader context of public networked communication and bring numerous nuanced considerations into the conversation. Although cryptography is the main focus of the book, it also touches on several other subjects. As with my previous publications, my aim is to focus more on the formal, and hopefully timeless, parts of the subject than on the specifics of systems that are being used right now. While this book is not intended to be a manual on the current state-of-the-art cryptosystems, some subjects are best explained by going over working, real-world systems.

A Beginners Guide for Network Security

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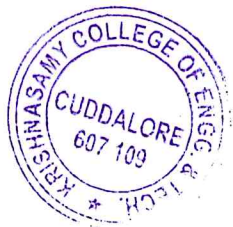
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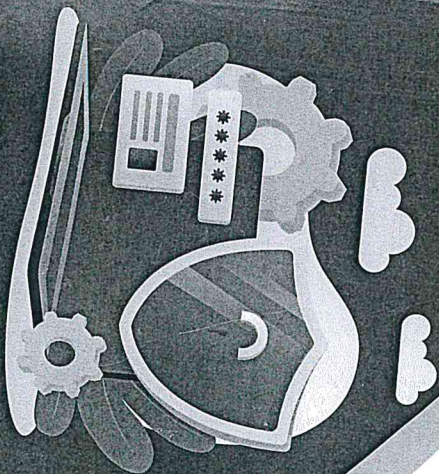


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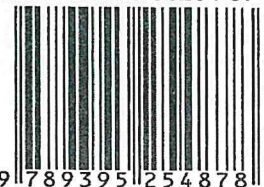
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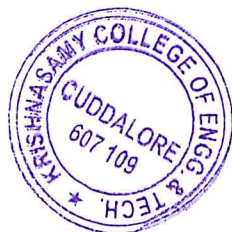
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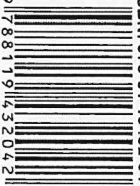


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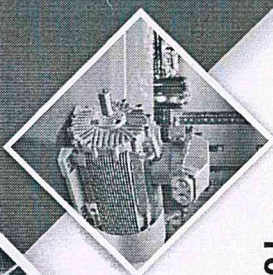
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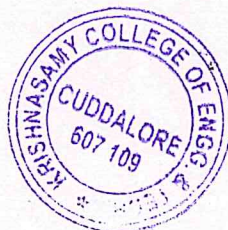
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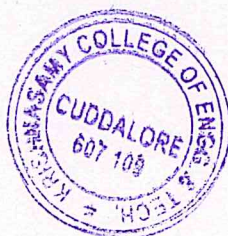
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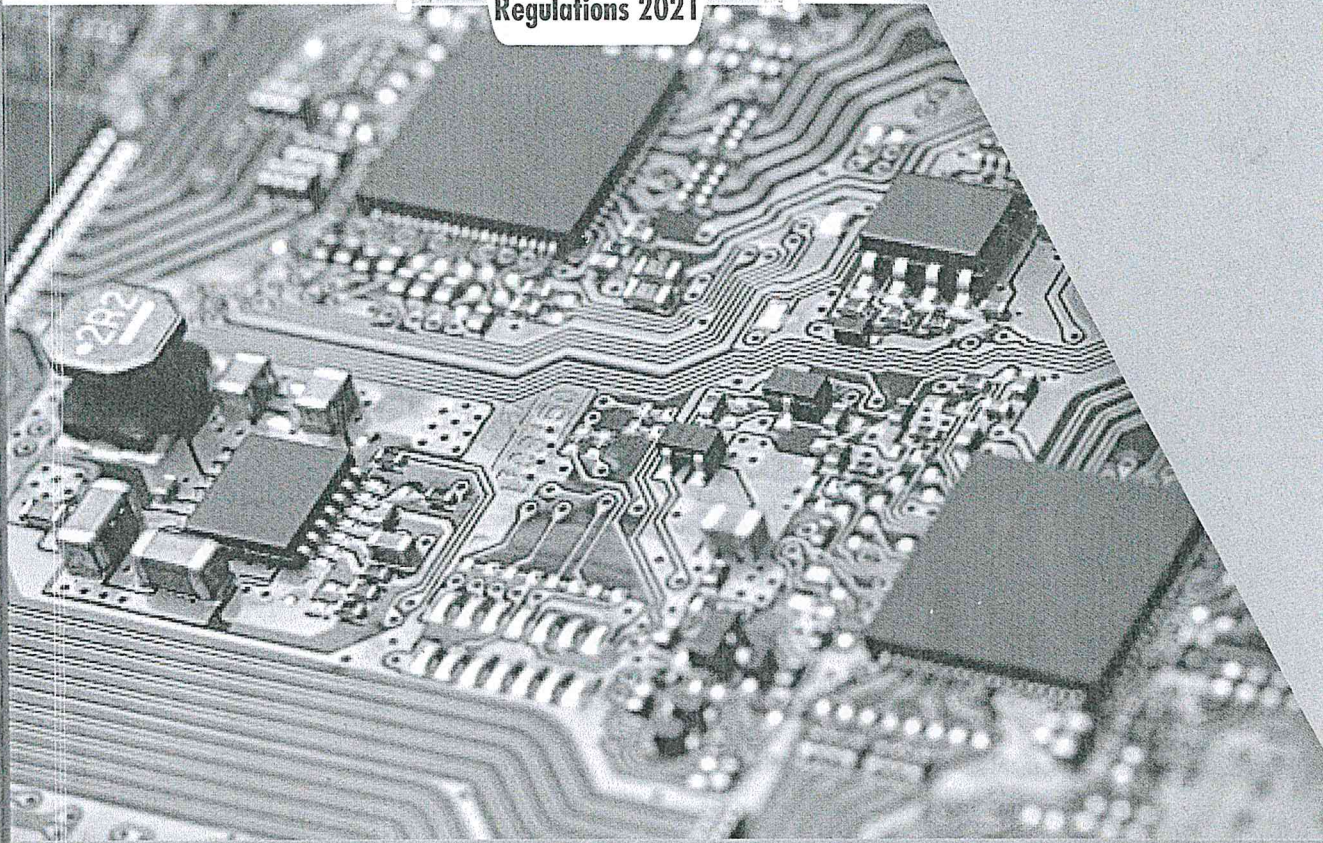
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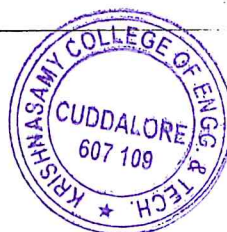
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