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E Governance Data Center, Data Warehousing and Data Mining: Vision to Realities

Authors:

Sonali Agarwal & M. D. Tiwari, . Indian Institute of Information Technology, Allahabad, India, Iti Tiwari, UPRTOU, Allahabad, India

India is showing incredibly strong appearance in Information Technology (IT) sector worldwide, but the benefits of IT revolution have not actually percolated into the everyday life of the common man, particularly in rural areas. National E Governance Plan is a major initiative of the Government of India, the first time under which a concerted effort is being made to take Information Technology to the masses in areas of concern to the common man. It aims to make services available online, ensuring that all citizens would have access to them, thereby improving the quality of basic governance on an unprecedented scale.

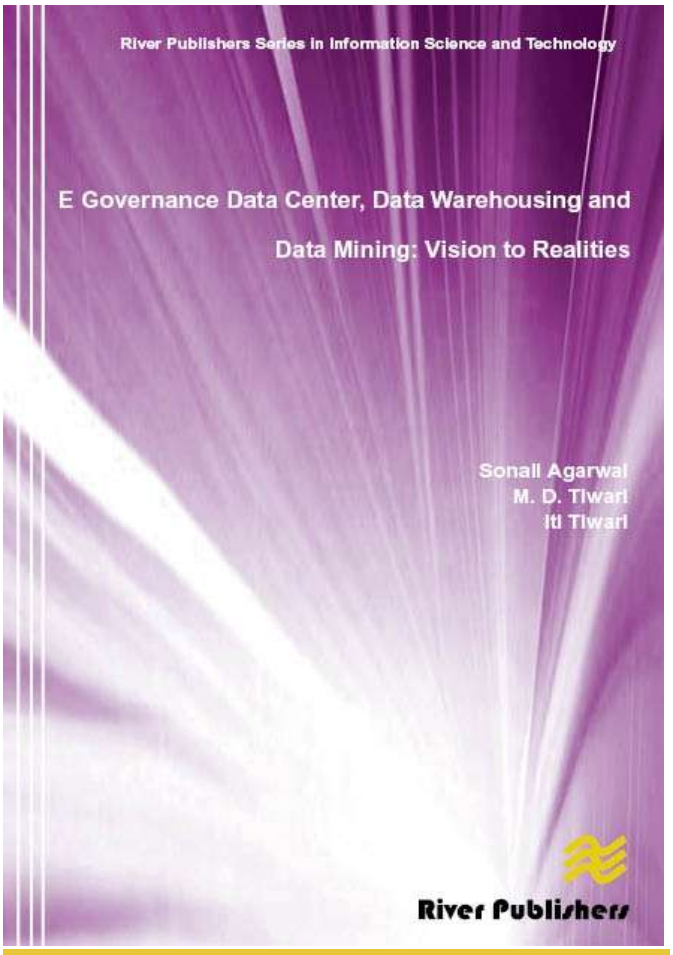
This book attempts to disseminate information about several E Governance projects and possible Data Mining benefits which are the future of good governance in India. Strategic Management of these projects through Data Mining would certainly encourage policy makers to understand better models of E Governance, thorough evaluation of projects, perceptive interrelations between projects, keeping track of the objectives and outcomes and to develop a more collaborative approach towards implementation of the National e- Governance Plan. This revolutionary approach will help the government in assessing the upcoming requirements and developing competencies for further project management, thereby making a difference in the lives of millions. It will help innovators to find out optimum solutions to achieve the end objectives of E Governance.

Technical topics discussed in the book include:

- E Governance
- Fundamental of Data, Data Warehousing, Data Mining, E Governance
- World Wide Status of E Governance
- Status of E Governance projects in India
- E Governance Data Management Framework
- E Governance Data Center
- Perspective Application of Data Warehousing and Data Mining in E Governance
- Case Studies on Education and Health Data Mining
- E Governance Data Mining Applications in Various Government Departments, Public Sector, Private Sector
- SWOT and PESTLE Analysis for Data Warehousing, Data Mining, E Governance

Data Warehousing and Data Mining are related technologies which have seen a significant boost in the last decades, in a way that many of their concepts and techniques have reached a significant level of maturity. They are applied today in most fields of human activity, from commercial to scientific or industrial areas. Today, decision support, data mining, trend analysis and pattern discovery have a large impact on businesses and science alike. Given this evolution, it is important to understand the potential advantages of Data Mining and Data Warehousing and their positive effects on E Governance applications.

The book **"E Governance Data Center, Data Warehousing and Data Mining: Vision to Realities"** is useful for students, application developers, government officials, policy makers, as well as researchers involved in E Governance and Data Mining Applications. This book presents an overall picture of the E Governance Data Mining applications, including Data Management Framework, Data Center and Data Warehousing applications along with possible research directions. An important motivation for writing this book was the need to build an organized framework for E Governance using Data Mining—a challenging task, owing to the extensive multidisciplinary nature of this fastdeveloping field. We hope that this book will encourage people with different backgrounds and experiences to exchange their views regarding Data Mining applications in E Governance so as to contribute toward the establishment of good governance for the developed society.



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