Chapter 17
Designing Appropriate Frameworks, Models, Strategies and Solutions

Pawan Chhabra
Infosys, India

Chetan Jagatkishore Kothari
Infosys, India

Subhadip Sarkar
Infosys, India

ABSTRACT

In recent times, the focus of innovation is increasingly moving beyond the centralized R&D programs of large firms to more of a collaborative innovation. This is true even in the Information Communication Technology (ICT) industries. With this approach in mind, the technical strategy has to be laid down to design appropriate architectural models that act as key foundations of building large software systems without compromising on access rights, privacy, confidentiality, ethics, policies, IP, etc. A platform that can enable researchers to share their views, ideas, thoughts or products in seamless manner is the need of the hour. This chapter examines the ways and means of creating a standard model which focuses on well proven software design practices to leverage full potential of open innovation platform; while focusing upon the evolution of IP trends and without compromising on access rights, privacy, confidentiality, ethics, policies, IP, etc.

INTRODUCTION

The ever changing trends in economic situations over the past decade demands that businesses identify means to reduce cost and increase efficiency and productivity at every level of organization supported by technology infrastructure. This is driving the trends of fusion of ideas, software, technologies and research, and it has become essential to resolve the issues of laws, rights and privacy attached to it by applying right technology principles and rules in the business infrastructure. This has also driven a new shift in the focus, to
have appropriate models, Frameworks and strategies that would govern these trends.

To win competitive advantage, servicing clients more effectively and efficiently and to maximize revenue by new techniques and business models, industry leaders are taking new technology research initiatives. Open Innovation, a new paradigm, is one of these key steps for creating and profiting from technology. In the field of information and communication, a number of innovations point the way to improved customer satisfaction and simplification of business processes, helping bringing down operational and maintenance cost. The demand of Innovation and rightful approach are bringing a new difference in software engineering equation.

The information technology (IT) and related service industry is achieving unprecedented level of new ideas either business or technology. Customers are the direct beneficiaries in terms of efficient and effective choice, and novel products or services. Innovation has become the great enabler and catalyst for the driving forces in organizations. Technology companies that can generate innovative services to reach to customers faster need to thrive. With no Innovation in their business plan, companies are at high risk of getting supplanted by the companies who has. Companies must formulate their expansion strategy on the basis of innovative products and service that customer may find compelling to generate steady financial gain.

Driving business success through Innovation and to exploit other organizational assets under the union of laws, rights and ethics to ICT needs suitable software setups that affirm the ideas of collaborations. This chapter points out the facts about, collaboration of knowledge, information, software systems, & products represents the fundamental shift in the way businesses are done. Modular business has to be aligned with module Frameworks and Architectures and still the confidentiality must be maintained. The real knowledge of domain and technology must be under the boundaries of organization.

The chapter emphasizes upon factors that protect privacy, confidentiality and build confidence that are the key enablers to bring openness and global trade improve their relationships with ICTs.

**Existing Trends**

The section below highlights some of the existing trends of Innovation being followed in the past but has to be changed with the nature of business in an enterprise; Innovation needs to be defined in a customary way aligning with the business growth to realize its full potential as basis of progress. This requires collaboration, mixture of ideas and information across people and it is very essential to examine and analyze the role of moral respon-