ABSTRACT

With the development of the Information & communication Technology (ICT) a new trend started towards its innovative use in many sectors like Banking, Education, Transportation, Communication, Defense, Aviation, as well as in Government. e-Governance, as a tool for ensuring good governance aims at improving the quality, accessibility and effectiveness of Government services with the help of Information & Communication Technology (ICT). e-Governance aims to make all the government activities Simple, Moral, Accountable, Responsive, and Transparent (SMART) through the esteem use of ICT.

All the e-Governance Projects are well funded, initiated very aggressively and supported by central or state government IT Departments but still it has been estimated by the World Bank, that as high as 85 percent of e-Governance projects in developing countries are either total or partial failures. The funds are being wasted on e-Governance project are due to lack of proper and effective monitoring, poor management, lack of co-ordination is very high and may be a great lose of the tax payer’s money from share of the common citizen. During the early time of the evolution of Software engineering, many “Software Development Life Cycle Models” have been designed to support effective development of software. In the latter stage those traditional SDLC models have been modified according to the requirements by many researcher and industries. Many industries have followed customized and dedicated SDLC models which suit best for their organization and nature of software they develop. But from many years any dedicated SDLC Model has not been evolved to support development of e-Governance software most appropriately.

This research shows the parameter which differ the e-Governance applications from its counter part commercial / corporate applications and the need of a dedicated SDLC Model for the development of e-Governance applications. Lastly a SDLC model has been designed which will address the challenges and most suitable for development of e-Governance applications.