Abstract

Software development process is a very complex process that, at present, is primarily a human activity. Programming, in software development, requires the use of different types of knowledge: about the problem domain and the programming domain. It also requires many different steps in combining these types of knowledge into one final solution. This paper intends to study the techniques developed in artificial intelligence (AI) from the standpoint of their
application in software engineering. In particular, it focuses on techniques developed or that are being developed in artificial intelligence that can be deployed in solving problems associated with software engineering processes. This paper highlights a comparative study between the software development and expert system development. This paper also highlights absence of risk management strategies or risk management phase in AI based systems.

**Reference**

- C.S. French, Data Processing and Information Technology (10 edition), (Letts Educational Publishers, London, United Kingdom) 1996.

**Index Terms**

- Computer Science
- Ubiquitous Computing

**Key words**

- Knowledge intensive activity
- Programmer's apprentice
- automated programming
- genetic code