



INTERNATIONAL CONFERENCE ON RECENT CHALLENGES IN ENGINEERING, SCIENCE
AND INFORMATION TECHNOLOGY (ICRCESIT – 2020)

25TH OCTOBER, 2020

CERTIFICATE NO : **ICRCESIT /2020/ C1020622**

Model Driven Development Of Complex Software: A Research RoadMap In 21st Century

DIPALI BRIJPAL SINGH TAWAR

**Research Scholar, Ph.D. in Computer Application,
Dr. A.P.J. Abdul Kalam University, Indore, M.P.**

ABSTRACT

Model-driven engineering (MDE) is a phrase commonly used to describe approaches to software development in which abstract models of software systems are established and methodically turned into concrete implementations are employed. An overview of current MDE research is provided, as well as a look at some of the major issues that need to be addressed if the MDE vision for software development is to be realized. We believe that because to the inherent wickedness of the problems involved, it is unlikely that the MDE vision can be fully realized in the near to medium future. As a result of this, it is possible to narrow the gap between evolving software complexity and the technology used to control complexity by aiming to actualize this vision.

Keywords: Software systems, Model driven engineering, Programming, Computer science, Unified modelling language, Software testing, Systems engineering and theory, Computer industry, Streaming media, Reliability engineering