

BITS Pilani Goa Student wins Best Research Poster Award at Research Poster Competition Organised by IBM at New Delhi

BITS Pilani Goa Student Miss Ankita Kejriwal presented and won the Best Poster Award at IBM-IRL Collaborative Academia Research Exchange (I-CARE) Research Poster Competition, New Delhi, October 2009.

Her poster titled “MobiDSL - a Domain Specific Language for Mobile Web Applications” was adjudged the best poster in Track III - Software Engineering & Programming Language among the entries from top engineering colleges from India.

This poster has been based on the projects done by Ankita under guidance of Mr. Mangesh Bedekar during last three semesters. The abstract of the poster is given below:

Abstract

The enormous potential of mobile web as an information appliance presents all organizations an urgent need and a compelling reason to not only create mobile specific versions of certain parts of their current systems, but also develop new mobile web applications to derive maximum benefit from this medium. However, as mobile web applications are generally being built using the same web engineering methodologies and tools which are used for building desktop web applications, organizations around the world require significant resources, making it difficult for many to quickly build these applications. In this paper, we describe our aim to mitigate this problem by using a Domain Specific Modeling (DSM) based approach. We explain MobiDSL - a Domain Specific Language (DSL) for modeling Mobile Web Applications and show how it can enable system designers and analysts to easily define an application's specification at a very high level of abstraction without any web programming. We also explain how a Virtual Machine (VM) is used to execute MobiDSL models, which helps to radically simplify the testing, deployment and life cycle management of such mobile web applications.