

**STRATEGIES
FOR
WEB APPLICATION DEVELOPMENT METHODOLOGIES**

A Dissertation Submitted in the Partial Fulfilment for the Award of

MASTER OF TECHNOLOGY
IN
SOFTWARE ENGINEERING

Submitted To
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DECLARATION

I hereby declare that the thesis entitled ***Strategies for Web Application Development Methodologies*** which is being submitted to the Delhi Technological University, in partial fulfilment of the requirement for the award of degree of Master of Technology in Software Engineering is an authentic work carried out by me.

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This is to certify that the thesis named ***Strategies for Web Application Development Methodologies*** submitted by Anant Mittal, Roll number 2K11/SWE/01, in partial fulfilment of the requirements for the award of degree of Master of Technology in Software Engineering, with researchers' work duly referenced has been carried out under my supervision.

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ABSTRACT

Web applications have grown very unexpectedly in these recent years but due to difference between web applications and software applications, their development methodologies differ in many ways. The distinction between these two different types of applications acquire for introduction of development methodologies dedicated to web applications. The thesis work represents various development approaches and methodologies proposed specially for web applications. Agile, object oriented, UML based etc. are some example of approaches to be used for inventing techniques for web application development. Appendixes contribute to the thesis work representing implementation of Agile based and UML based web application development techniques.

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LIST OF ABBREVIATION(S)

APSCE	Asia-Pacific Software Engineering Conference
AUP	Agile Unified Process
AWDWF	Agile Web Development with Web Framework
BDD	Behaviour Driven Development
CAD	Computer Aided Design
CAE	Computer Aided Engineering
CCM	Component Communication Model
CORBA	Common Object Request Broker Architecture
CRM	Customer Relationship Management
CSS	Cascading Style Sheet
DB	Data Base
DFD	Data Flow Diagram
DOM	Document Object Model
ECMA	European Computer Manufacturers Association
EssUP	Essential Unified Process
FDD	Feature Driven Development
GPS	Global Positioning System
HTML	Hyper Text Markup Language
HTTP	Hyper Text Transfer Protocol
IEEE	Institute of Electrical and Electronic Engineers
JS	Java Script
KITS	Knowledge based Integrated quesTionnaire Software
MVC	Model View Controller
NM	Navigation Model
OMT	Object Modelling Technique
OOAD	Object Oriented Analysis and Design
OOSE	Object Oriented Software Engineering
ORB	Object Request Broker
RDF	Resource Description Framework
RIA	Rich Internet Application
SDD	Software Design Document
SME	Small Medium Enterprise

SRS Software Requirement Specification
TDD Test Driven Development
UI User Interface
UML Unified Modelling Language
WCML Web Composition Markup Language
XML Extensible Markup Language
XP Extreme Programming

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