

Project Management System (SCRUM Based)



SESSION (2014-2016)

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**SCHOOL OF PROFESSIONAL ADVANCEMENT
UNIVERSITY OF MANAGEMENT & TECHNOLOGY, LAHORE**



DEDICATION

DEDICATED TO OUR RESPECTED PARENTS AND FAMILY WHOSE UTMOST LOVE, CARE AND STRUGGLE AGAINST ALL ODDS BROUGHT US TO THIS HEIGHT OF KNOWLEDGE AND ENCOURAGED US TO COMPLETE THIS DEGREE AND WERE MAJOR DRIVING FORCE BEHIND OUR ALL EFFORTS WITH THE BLESSINGS OF ALMIGHTY ALLAH.

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This project is submitted to the School of Professional Advancement, University of Management & Technology Lahore, for the partial fulfillment of the requirement for Master Degree in Computer Science.

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ABSTRACT

A lot of organizations are using SCRUM methodology to handle their projects due to its flexibility and fast results. In light of that, we have proposed an online system that will facilitate organizations to manage their projects using SCRUM both in-house and remotely.

The proposed system is built using Laravel 5.2 framework and MySQL with different front end technologies. System's interface is kept simple intentionally as response time is more important in a management system rather than the visuals.

Admin and users are able to use this system to communicate and track the status of the project they are part of. The system provides the basic requirements of SCRUM including sprints, tasks, product backlog and more. The system is targeted towards small organizations who are looking for simpler solutions for their management needs.

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INTRODUCTION

1. INTRODUCTION

1.1 Project Overview

Proper project management is vital to the success of any project. Unmanaged projects have high tendency of failure while a well-organized and managed project is essential for optimum results.

Now since we are living in a digital age, digital solutions for various problems have become dominant. Like other domains, computer science also requires proper project management and process to achieve the required goals in given time.

Although there are a variety of process models/approaches for management, agile methodologies are being used abundantly in the market. So we are going to develop a system for software house through which they will be able to manage their projects implementing SCRUM methodology.

By using a remote SCRUM system, the project will be managed even if the team members aren't physically present on the same place. Since the software house for which we are making this system has multiple branches, the devised project management system will enable them to handle both local and inter branch projects efficiently [1].