

University of Dammam College of Computer Science & Information Technology - Computer Science Department Dammam, Saudi Arabia

iTrack

Wireless Energy Consumption Monitoring System

Team Members:

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Supervisor:

Dr. Dilek Düştegör



Outline

- Introduction
- Project Development Life-Cycle
- Project Implementation
- Project Testing
- Project Deployment
- Project Challenges and Difficulties
- Conclusion
- Demo (outline)
- Recommendations



"I can't decide which is worse, no electricity or unreliable electricity. I wonder if I'll ever have to decide which is worse, life as we're living or no life at all".

Susan Beth Pfeffer

Introduction

(Motivation)











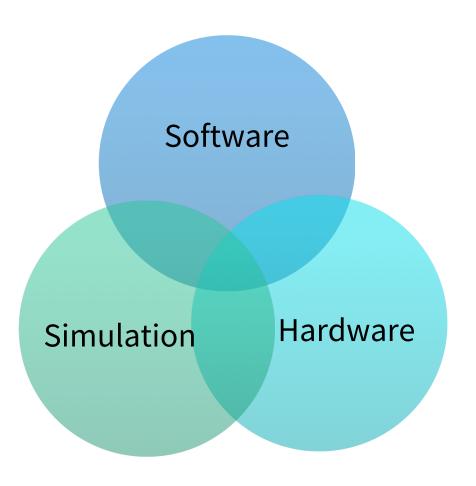
Introduction

(Motivation)



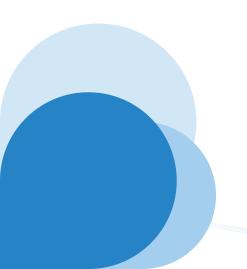


Introduction (Objectives)



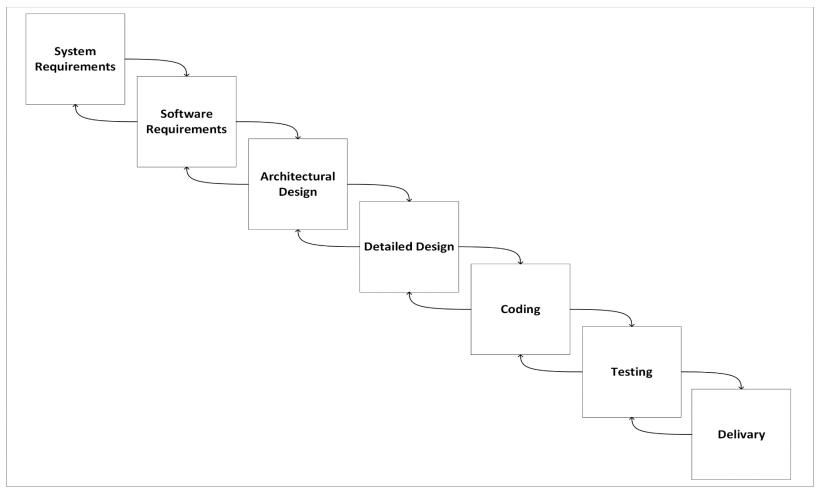
Khadijah Al Safwan

Project Development Life-Cycle

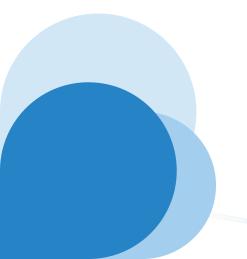




Project Development Life-Cycle



Practices and Result

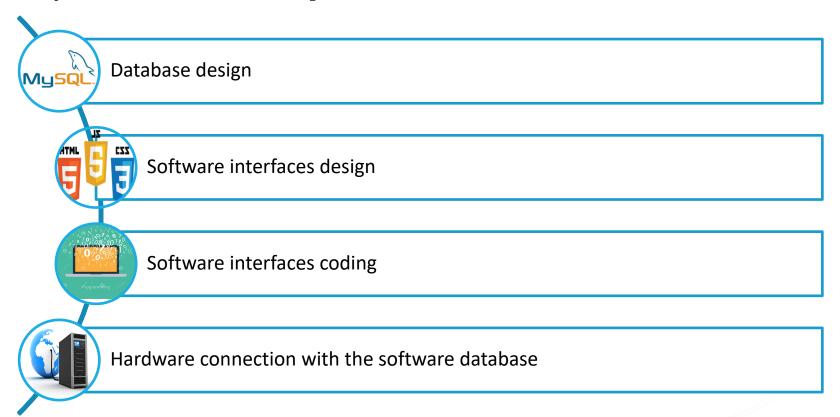


Lolah Hakami



(Practices)

System software development

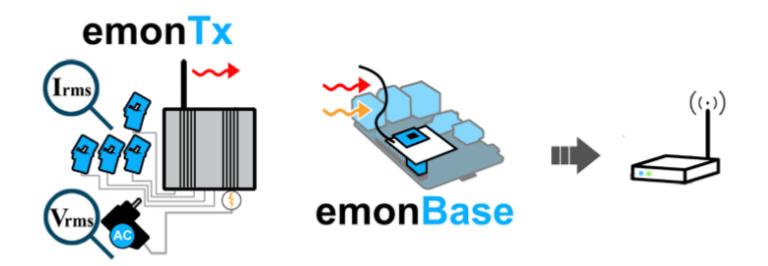


Lolah Hakami



(Practices)

System hardware prototype development



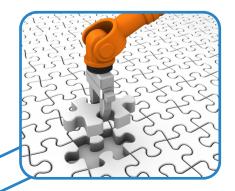


(Result)





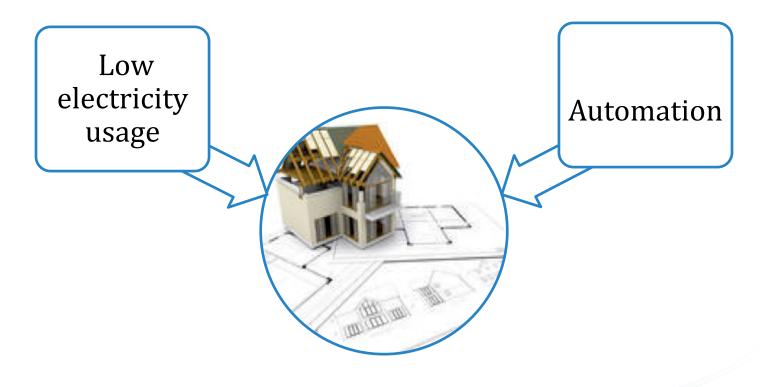
Deployed Software



Fatimah Alshaer

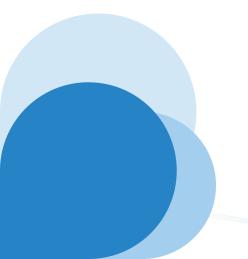


(Result)



Fatimah Alshaer

Practices and Result



Khawlah Aseeri



(Practices)

Functional requirement testing





(Practices)

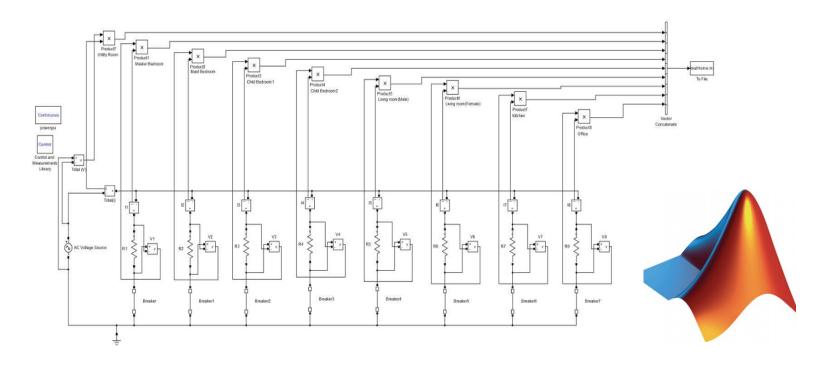
Non-functional requirement testing



Khawlah Aseeri

(Practices)

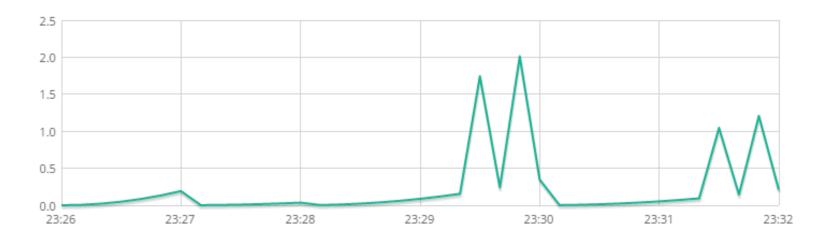
Simulation





(Practices)

Simulation





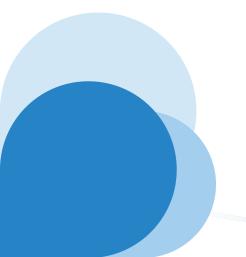
Project Testing(Result)



Khawlah Aseeri

Project Deployment

Practices and Result



Khadijah Al Safwan



Deployment Phase

(Practices)

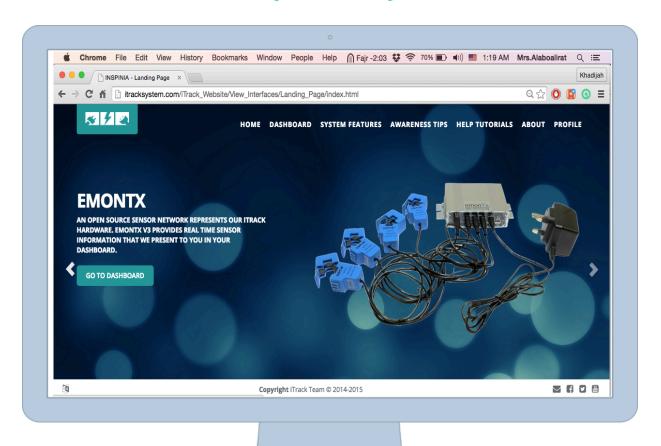
cPanel





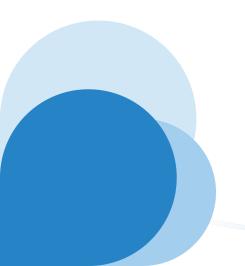
Deployment Phase

(Result)



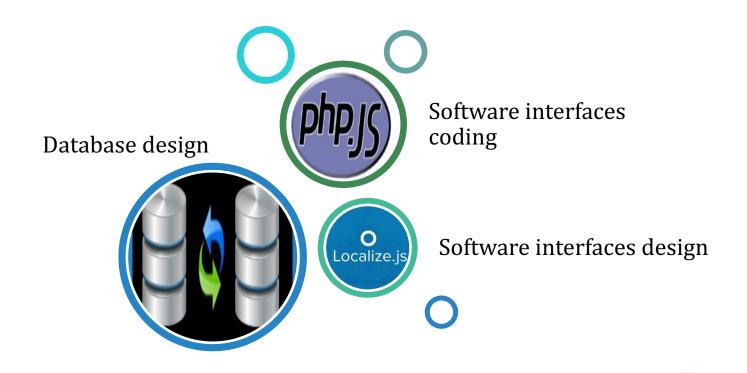
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Project Challenges and Difficulties



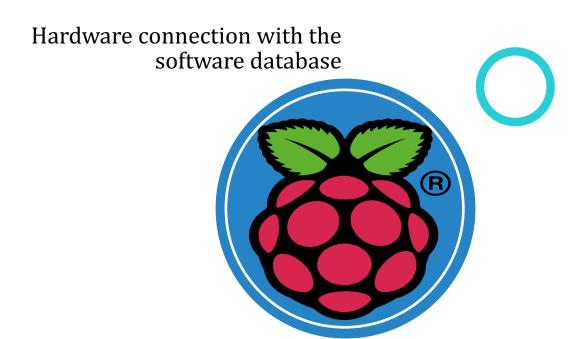
Project Challenges and Difficulties

Software development phase



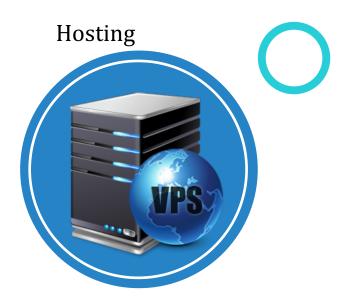


Hardware configuration



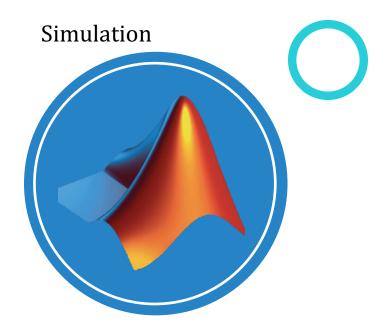


Deployment phase

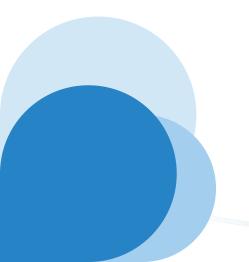




Testing phase



Conclusion



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Demonstration

Overview



Fatimah Al Shaer



Demonstration (Overview)

Get started with iTrack

Setup your account at iTrack

Monitor your consumption with iTrack

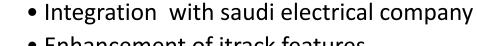


Recommendations



Recommendations





- Enhancement of itrack features
- Error detection techniques
- Learning techniques

Hardware

- Development hardware device
- Investigation of the hardware network