"SMART ANALYTICS IN EDUCATION SYSTEM"

Submitted by:
Ashwini Ghanwat
Kavita Dange
Vivek Gurav
Shivani Kabade

Guided by:
Mrs.Vaishali Wangikar

Sponsored by:
AANPRT IT Solutions,Pune.

MIT Academy of Engineering, Alandi(D), Pune.
Department of Computer Engineering.

Content

- Introduction
- Project objective
- Literature survey and Comparison
- Project idea
- Mathematical model
- Architecture
- Project plan
- Software/Hardware details
- Conclusion
- Publication/Presenation details

Introduction

- Analytics?
- Need of analytics
- Drawbacks of existing educational system
- Use of analytics in educational system

Project objective

- Recommender system-based personalized analytics capable of forecasting students employablilty prediction.
- Complete view of students, faculty, curriculum programs to achieve educational program objectives.
- Drive the best possible outcomes for the institution and improve teaching-learning process.

Literature survey and comparison

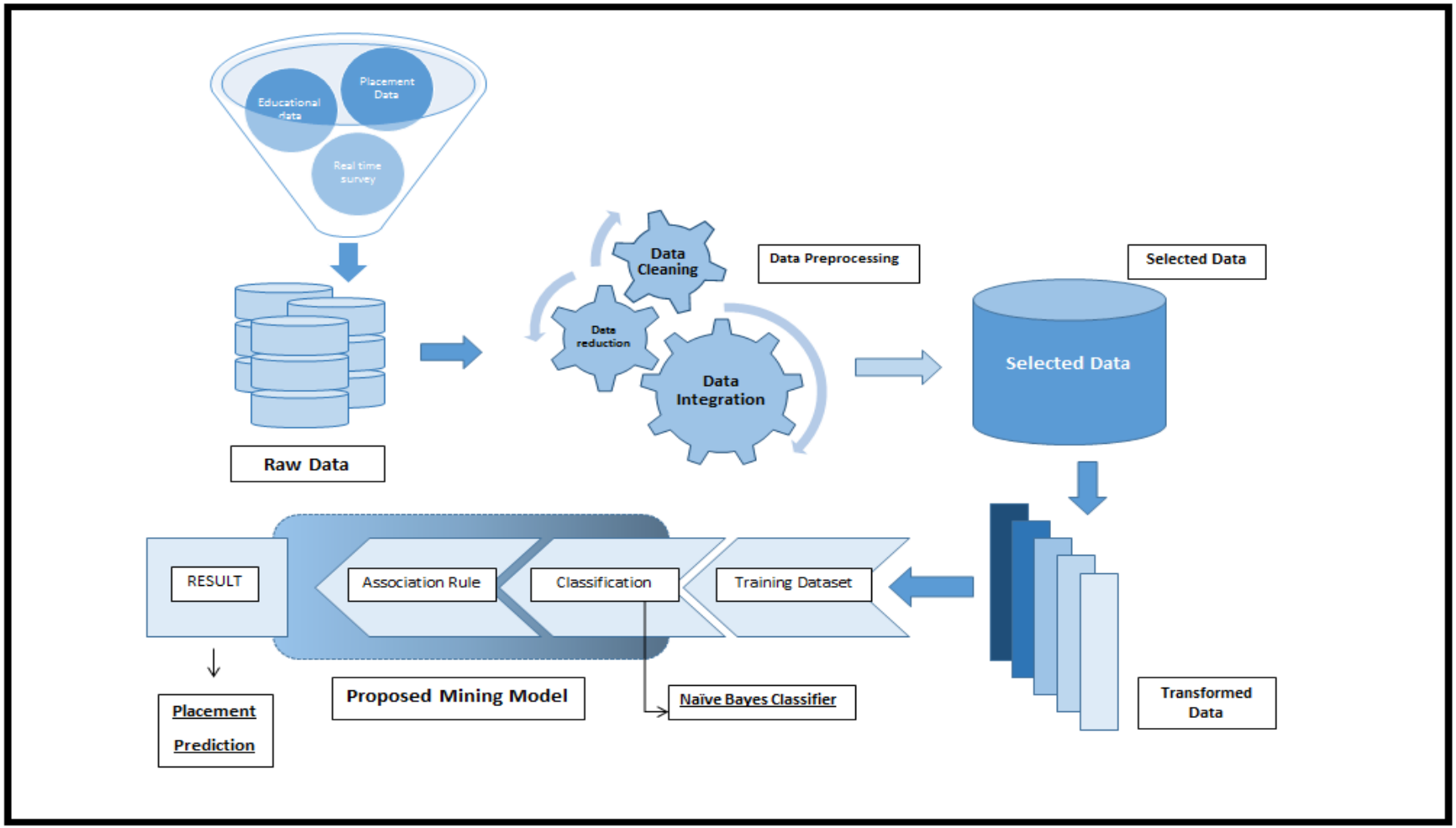
Project idea

- Basic dataset
- User input data
- Competency analysis
- Behavioral analysis
- Naive Bayes Classification
- Association
- Prediction
- Result

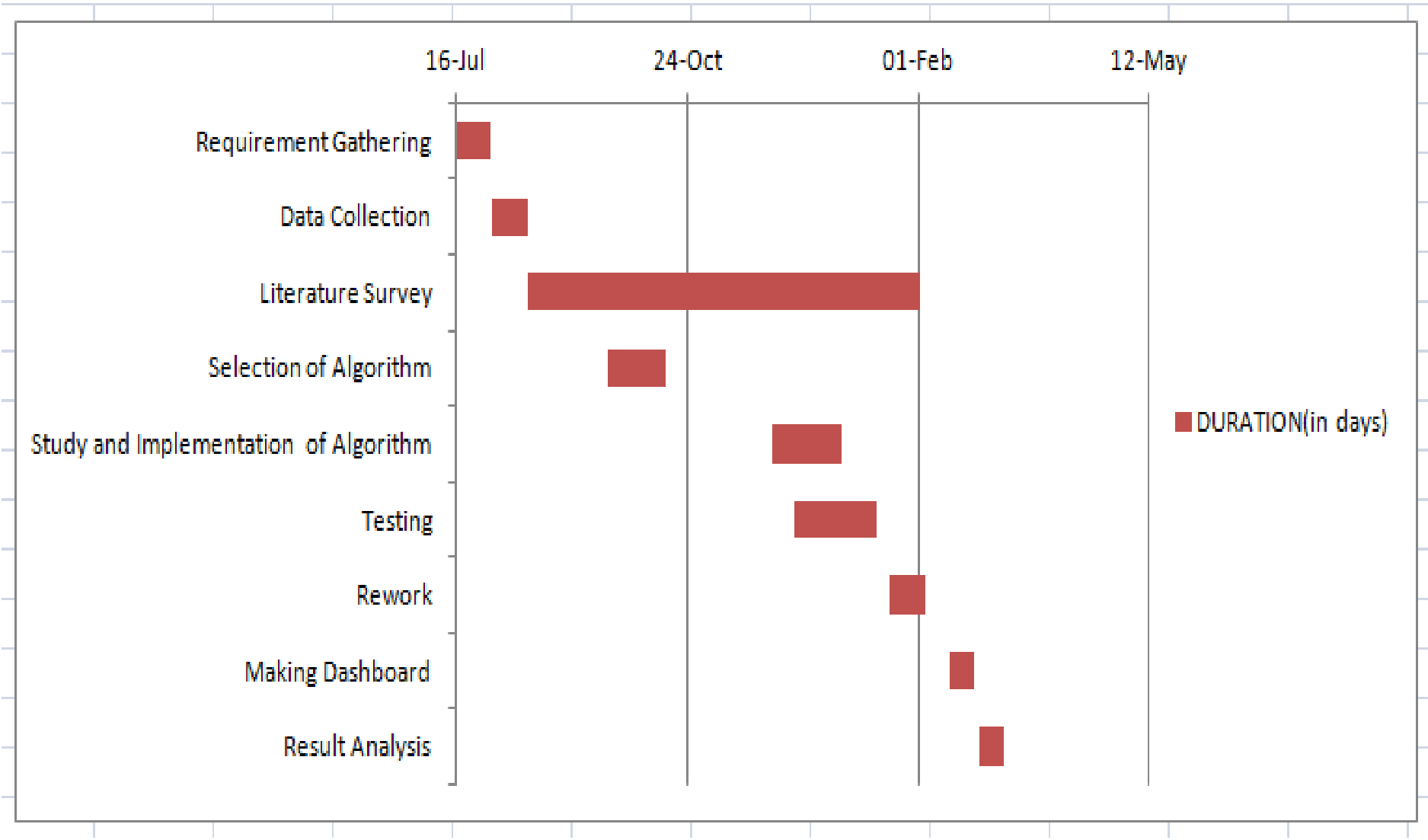
Mathematical model

X={ U, S, C, P, G}
U:Set of users
S:Historical dataset
C:Classified record
P:Placement predictions,Risk predictions ,Analytics
G:Patterns

Architecture



Project plan



Software/Hardware details

- Software details
  - Operating System : Fedora
  - Technology : Java and J2EE
  - Web Technologies : Html, JavaScript, CSS
  - IDE : Eclipse
  - Web Server : Tomcat
  - Database : My SQL
  - Java Version : J2SDK1.7
- Hardware details
  - Hardware : Intel Core i3 Processor
  - Speed : 2.80 GHz
  - RAM : 1GB
  - Hard Disk : 20 GB

Conclusion

Students employability model helps in:

- placement prediction
- Risk prediction
- Necessary improvement

Publication/Presenation details

- IJETT-**I**nternational Journal of **E**ngineering **T**rends and **T**echnology,Published by Seventh Sense Research Group-2016 Pune, India.
- IJCSET-**I**nternational **J**ournal of **C**omputer **S**cience and **E**ngineering **T**echnology-2016 Pune, India.