Project Proposal

# Team members

* Akash Patel
* Christoph Kaiser
* Lisa Schmitz
* Nikolaos Tatarakis

Project Topic

Text Analyser

Specific Problem Formulation

Song lyrics analyser MORE IN DEPTH (Lisa)

# Project timeline

|  |  |  |  |
| --- | --- | --- | --- |
| **When** | **Who** | **What** | **Time spent** |
| Week 39 | Akash and Lisa | Find datasets, do research on different kinds of dataset | 12h |
| Chris and Lisa | Find and compare libraries for feature extraction | 12h |
| Niko and Chris | Find classifier libraries | 12h |
| Akash and Niko | Create code skeleton (interfaces) | 16h |
| Week 40 | Niko and Chris | Define Tests | 12h |
| Akash and Chris | Construct a dictionary | 16h |
| Niko and Lisa | Implement bag of word | 16h |
| Akash and Lisa | Integrate all components | 16h |
| **Milestone:** Implemented a Prototype | | | |
| Week 41 | Akash and Niko | Benchmarking | 8h |
| Akash and Lisa | Test different datasets | 16h |
| Niko and Chris | Compare classifiers | 16h |
| Chris and Lisa | Compare feature extraction | 16h |
| Week 42 | Akash and Niko and Lisa and Chris | Refactoring and optimization | 32h |
|  | Backup Time | 24h |
| **Sum** |  |  | 224h |

# Project setup sketch

<Insert Picture Niko>

Tasks

* Implement a running system (have the setup working for one dataset by using only toolset)
* Define tests
* Test the system (benchmark tests)
* Work on project paper