Assignment: Course Project

Assignment Overview

The course project is an ideal platform to practice what you have learned from the course and to introduce you to research. You can do this project by yourself or team up with another student.

Any topics related to computer audition are encouraged. You are expected to propose some new ideas to solve a new or existing problem. The scale of the project should be significantly larger than the homework problems. You are expected to go through the entire research cycle of the project, including problem formulation, literature review, algorithm implementation, testing, paper writing, and presentation.

How You Will Be Graded

Proposal	5 points
Status update	5 points
Project report	10 points
Project presentation	10 points
Total	**30 points**

What to Hand In

- **Proposal:** a document within 2 pages describing what you want to do, why you want to do it, and how you plan to do it for the project. A tentative week-by-week plan with a task allocation plan among teammates should be included. As time goes on, it's OK to deviate from your original plan and even the topic. But having a plan is better than not having a plan. Submit the proposal as <firstname>_<lastname>_Proposal.pdf. This assignment will be evaluated based on how well the problem is formulated and how clear your description is.
- **Status update:** a 20-min presentation with Q&A to the instructor and TA, updating what you have done, what results you have achieved, and what needs to be done. Make it clear who did what in the team. This presentation should also introduce the project in the beginning. Your presentation will be evaluated based on the amount and quality of work you have done and the clarity of the presentation. No file needs to be submitted.
- **Project report:** The project report should be organized as a research paper, with abstract, introduction, method, experiments, conclusions, and references. Use this year's ISMIR conference paper template (but **remove the copyright footnote notice**) to write your report. Latex and Word templates can be downloaded at https://github.com/ismir/paper_templates. Please be complete, concise, and clear. Submit your report as <firstname>_<lastname>_ProjectReport.pdf together with code and example audio files to the corresponding entry on Blackboard. This assignment will be evaluated based on the amount of work (30%), quality of work (30%), novelty of work (10%), and clarity of the report (30%).
- **Final presentation:** The final presentation will be an oral presentation with slides. The length of the presentation will be determined later based on the total number of projects. The audience will be your classmates, the instructor, TAs, and possibly some faculty and PhD students in relevant research areas. This assignment will be evaluated

based on the amount of work (30%), quality of work (30%), novelty of work (10%), and clarity of the presentation (30%). Please submit your slides as <firstname>_<lastname>_ProjectPresentation.pdf to Blackboard.

How to Hand It In

Submit assignments via blackboard to corresponding entries. You can make multiple attempts but only the last attempt will be graded.

When to Hand It In

All assignments are due at 11:59 PM on the date specified on the course calendar. **Late assignments will receive a 20% deduction of the full grade each day.**

Other Notes

Your final report and slides will be uploaded to the course website as examples for future students.