

IITISOC PROJECT PROPOSAL

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Mentors:

Introduction:

Media Player

Project will aim at developing media player software for PC which will be capable of playing maximum of the available formats of Media.

DELIVERABLES:

- A fully functional media player with all basic features(play, pause,playback speed, seek, subtitles, multiple audio tracks etc).
- More features will be implemented if the time permits(equaliser, etc).
- Alpha testing and debugging of the media player.
- Beta testing of the media player with possible community feedback
- Well formatted and commented source code as per the general open-source community rules.

Timeline :

- The first week will be used to learn the programming languages ,relevant api's and frameworks.

- The following 3-4 weeks will be used for development of the project, by the end of the 4th week the alpha testing of the project will start.
- The following week will be used for getting the project ready for beta testing.
- The week following will be used to debug the project based on the community reviews and get the release version of the project ready,

Implementation:

- The GUI will be implemented based on material design. The GUI will be developed using QT. The languages used will be python/c++ or both(or may change based on the suggestion by the mentor).
- We will be using a version system (git), also the project will be regularly updated on github so that the mentor can view the code and suggest modifications.
- On an average we will be dedicating 40 hrs a week for the project.

Technical Knowledge:

Version control system: Git

Operating Systems: Windows, Linux

Programming Languages: C, C++, Python, Javascript, Java(basics), php, SQL

Previous projects: <https://github.com/>