

Dedication...

To any one appreciates knowledge

To every one helped us

To our families

To our university staff

The Work Group

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Abstract

Computer networks are growing explosively these days. The demand on the network solutions increased today so it was decided to build a system based on the networks; additionally using one of the most interesting and important engineering software with the networks to build a web-based system that depends on the Matlab to give the user powerful solutions.

One of the most processing fields the Matlab can do is the signal processing because Matlab provides a very strong and useful platform tools to apply simple and complex signal processing algorithms on different types of data.

The title of the project is **Digital Signals Processing Center**; this title came from the idea of implementing a set of algorithms to be used on the Internet.

The system has a number of digital processing algorithms to process images and sound files. The user can access the system and use these algorithms on his files, the system provides a set of rules and considerations to control and manage the system access by using database solutions. Such system will be cost effective to the user and it will be good chance for universities to implements special algorithms to be used by the students that have signals, mathematics and other courses.

The project initially works with the signal processing application and the project may be modified to give any services Matlab can do such as medical, financial, control application, etc.

This project needs to use Matlab, PHP, MySQL, HTML and Apache web server as software platform to perform the aim of the project in a good and effective way.