

Synopsis for Minor Project

Project Title:

News - Reader

Project Guide:

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Project Team:

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We propose to develop a News Reader performing the functions as described in the passages given below during our 7th semester as Minor Project.

The News Reader will primarily speak the latest news which is available on popular websites which provide News Service for Hindi. The News Reader will be a client server application, which would be basically made up of 2 components.

1. News - Reader (Client End)
2. News - Server (Server End)

The News Reader is basically a simple client that receives the latest news from the News Server every time it is started. This news will be in Z-Notation format, which is a commonly used format for writing Hindi using a QWERTY keyboard. Then the newsreader will synthesize speech output for the received news. Following this it will speak out the news. We plan to use TTS Systems developed by IIIT Hyderabad for the purpose of Speech Synthesis.

The News Server is the main component of the application. Plainly speaking, the web - server is an information extraction daemon. This component is meant to be deployed at the service provider's end where it will keep on reading web pages from the service providers' site and will extract the relevant information from the web pages like headlines etc. This way the news server will always keep itself updated with the latest news. The news server will also perform the function of converting the news into Z-Notation as required by the News Reader. This is because usually Z-Notation is not used on Web Pages. The News Reader clients will connect to the News Server to get the latest news. Moreover the Server will support multiple simultaneous connections using multi-threading.

We plan to use some of the following web-sites for the Hindi news right now.

1. www.bbc.co.uk
2. www.hindisamachar.com
3. www.aajtak.com

The news server will be web-site specific and will have option of flexibly modifying the font setting. We hope to make it as flexible as we can.