The \texttt{muling} class

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\href{https://ctan.org/pkg/muling}{\texttt{\textcopyright https://ctan.org/pkg/muling}}
\href{https://gitlab.com/niranjanvikastambe/muling}{\texttt{\textcopyright https://gitlab.com/niranjanvikastambe/muling}}

Abstract

This is a class-file written for the students of the Department of Linguistics, University of Mumbai. It uses the standard layout prescribed by the university, loads some necessary packages for typesetting a thesis in linguistics & adds the declaration needed by the university from the submitter.

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1 Package macros

This package has the following commands. It is recommended to use all of them in the preamble only.

\begin{itemize}
  \item \texttt{\textbackslash subtitle{\langle a \ subtitle \rangle}}
  \texttt{\textbackslash shorttitle{\langle a \ short \ title \rangle}}
  \texttt{\textbackslash supervisor{\langle name \ of \ the \ supervisor \rangle}}
\end{itemize}

The subtitle is printed exactly under the title on the title page.
The short title is printed on the top right corner of the page with the year of submission.
Name of the supervisor is printed on the title-page, in the declaration text & under the name of the supervisor for the signature.
2 Package options

This package option is developed for getting a read-only version of the thesis. By default the thesis is formatted as a print-ready document as per the university requirements. If you want to submit a digital copy of the thesis, use this option.

This package option is developed for getting a list of figures after the list of tables. Every thesis might not need a list of figures, therefore it isn’t added by default.

3 Example code

Try this sample document.

\documentclass[digital,lof]{muling} % Remove ‘digital’ for a print-version.
\title{Linguistic profile of Konkani}
\author{Niranjan}
\supervisor{Dr. \ Renuka Ozarkar}
\shorttitle{Konkani}
\subtitle{Phonological & morphological description of the Konkani language}
\begin{document}
\maketitle
\chapter{Test chapter}
\pex
Department of linguistics
\xe
\begin{center}
\begin{forest}
[NP
  [\head{N}\ Department]
  [PP
    [\head{P}\ of]
    [NP
      [\head{N}\ linguistics]
    ]
  ]
]
\end{forest}
\end{center}
\end{document}
4 Implementation

\ProvidesClass{muling}[2020/11/12 v0.1]
A class file for the Department of Linguistics, University of Mumbai
\DeclareOption{digital}{\PassOptionsToClass{oneside}{book}}
\newif\iflof
\DeclareOption{lof}{\loftrue}
\ProcessOptions
\iflof
\def\@printlof{%
\thispagestyle{empty}%
\phantomsection
\addcontentsline{toc}{section}{List of figures}%
\listoffigures
\clearpage\pagebreak
}%
\else
\let\@printlof\@empty
\fi
\LoadClass{book}

This part of code loads the \texttt{book} class \& provides the option \texttt{digital} for typesetting a document with read-only format \& option \texttt{lof} for automatically adding list of figures.

\RequirePackage{hyperref}
\hypersetup{
  colorlinks, 
  linkcolor=red!60!black, 
  citecolor=green!60!black, 
  urlcolor=blue!60!black 
}
\RequirePackage[backend=biber,style=apa]{biblatex}
\RequirePackage[linguistics]{forest}
\RequirePackage{tipa}
\RequirePackage{leipzig}
\RequirePackage{expex}
\RequirePackage{ling-macros}

This part of code loads some other essential packages for typesetting documents with linguistic content.

\makeatletter
\let\@supervisor\@empty
\def\supervisor#1{\def\@supervisor{#1}}
\let\@shorttitle\@empty
\def\shorttitle#1{\def\@shorttitle{#1}}
\let\@subtitle\@empty
\def\subtitle#1{\def\@subtitle{#1}}
\makeatother

\let@\supervisor\@empty
\def@supervisor#1{\def@supervisor{#1}}
\let@\shorttitle\@empty
\def@shorttitle#1{\def@shorttitle{#1}}
\let@\subtitle\@empty
\def@subtitle#1{\def@subtitle{#1}}
This code enables three additional entries required in the title-page. & at various other places.

\RequirePackage{fancyhdr}
\pagestyle{fancy}
cfoot{\thepage}
rhead{}
\head{\hspace{0.5in}}
\begin{tabular}{l}
\@author\textsc{University of Mumbai}\end{tabular}
\hfill\@shorttitle
}\%
\end{tabular}%
\hfill\@shorttitle
%\%
\newlength{\shift}
\setlength{\shift}{0.3in}

A new length is created for typesetting the title-page at the center of the page like in the \texttt{article} class. This answer helped me for developing this code.
\renewcommand{\maketitle}{\thispagestyle{empty}\addtolength{\oddsidemargin}{\shift}\fboxsep3em\noindent\fbox{\begin{minipage}[c]\[c\]\[c\]{\dimexpr\textheight-2\fboxsep-2\fboxrule}\begin{center}\bigskip\hrule\vspace{2ex}\textbf{\LARGE \@title}\vspace{0.2cm}\textsc{\@subtitle}\vspace{2ex}\hrule\vfill\large\textsc{\@author}\vspace{0.5in}\large\textsc{supervisor : \@supervisor}\end{center}\end{minipage}}\}}
\texttt{\LARGE\textsc{declaration}}

As required by the University Regulation No: R. 1972 I wish to state that the work embodied in this thesis titled \texttt{\@title{} : \@subtitle{}} forms my own contribution to the research work carried out under the guidance of \texttt{\@supervisor{}} at the University of Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and included in the.
This code typesets a customized title-page, adds a table of contents, list of tables\textsuperscript{1} and the declaration text with all the details filled & some blank space left for the signature.

\textsuperscript{1}Having a list of figures is optional as seen earlier.