

L^AT_EX Class huawei^{*}

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1 Introduction

The provided class huawei helps you design your work documents and presentations keeping the code short and the style elegant enough both for management and technical papers. To use the class you simply mention its name in the preamble:

```
\documentclass{huawei}
\begin{document}
Hello, world!
\end{document}
```

We recommend you to use latexmk to compile your .tex files to .pdf. The simplest setup will require a few files staying next to your .tex file, in the same directory (“story” is the name of your project here):

```
story\
  .latexmkrc
  .gitignore
  story.tex
```

The content of your .latexmkrc file would be this:

```
$pdflatex = 'pdflatex %0 --shell-escape %S';
```

Make sure the .gitignore file lists all the files generated by pdflatex during the compilation. You don’t need to commit them to your repository, since they are temporary and will be generated again when you compile your document.

In order to compile the document, just say latexmk on the command line.

2 Class Options

There are a few class options, provided in square brackets after the \documentclass, which can help you fine-tune the layout of your document:

- | | |
|-----------|---|
| landscape | makes the document in landscape format, also changing the size of the paper to 16x9 inches (the default page size is A4), making it perfect for presentations. |
| dark | Turns on a dark layout, where the page color is black and the text is white. |
| slides | makes all headers a bit larger, assuming that the document is in the landscape mode and being presented as a slide deck. |

<code>nocover</code>	avoid printing the cover images on the first page by the <code>\PrintTitlePage</code> command.
<code>anonymous</code>	removes the name of the author everywhere, including the bottom of the page, where the author's name stays next to the name of the company.
<code>nobrand</code>	avoid mentioning the brand of Huawei anywhere in the document and removes the logo too.
<code>nosecurity</code>	avoids mentioning the level of security at the right top corner of the document and also avoids showing the ID of the author where it usually is visible.
<code>nodate</code>	don't show the date and time at the bottom of each page, where they usually are rendered in ISO 8601 format.
<code>nopaging</code>	avoids page numbers at the bottom of each page.
<code>authordraft</code>	prints a big "It's a draft" message across each page.

3 Preamble

In the preamble you can specify meta information about the document, such as its title or author's name, here is how:

```
\documentclass{huawei}
\renewcommand*\thetitle{Making Compression 15\% Faster}
\renewcommand*\thesubtitle{Technical Report}
\renewcommand*\theauthor{Yegor Bugayenko}
\begin{document}
\maketitle
Hello, world!
\end{document}
```

It's recommended to use `\renewcommand*` instead of `\renewcommand` in order to let \LaTeX catch you if by mistake a new line gets into the content.

The following meta commands are defined:

<code>\thetitle</code>	<code>\thetitle</code> is the main title of the document to be used in the text and in the properties of the PDF document.
<code>\thesubtitle</code>	<code>\thesubtitle</code> is the subtitle to be printed under the title.
<code>\theauthor</code>	<code>\theauthor</code> is the author of the document in "first-name last-name" format.
<code>\theid</code>	<code>\theid</code> is the internal ID of the author, if it's applicable.
<code>\thesecurity</code>	It is the level of security of the document, which is usually printed at the top right corner of it; usual values are "Internal," "Confidential," or "Secret."
Default values of all these commands are empty. If you don't renew them in your document, nothing will be printed.	

4 Custom Commands

Inside the document body you can use these commands:

<code>\PrintFirstPage</code>	<code>\PrintFirstPage</code> prints the first page of a project charter or a similar landscape documents, placing the image <code>front-image.pdf</code> on the front (the file should be present in the current dir. If you don't have the front image file, just leave the first argument empty).
<code>\PrintLastPage</code>	<code>\PrintLastPage</code> prints the last page of a project charter or a similar landscape

*The sources are in GitHub at [yegor256/huawei.cls](https://github.com/yegor256/huawei.cls)

document.

`\PrintThankYouPage` `\PrintThankYouPage` prints the last page with a "Thank You" message in the center.
`\PrintDisclaimer` `\PrintDisclaimer` prints a paragraph at the bottom of the page with a standard disclaimer.

5 Best Practices

You are free to design your documents any way you want. However, it would be convenient for yourself and for your readers, if you follow the convention we have for business and technical documents.

The rule of thumb is simple: try *not* to format your documents. Instead, let the class designed by us do this work for you. Just type the content without changing the layout, adding colors, changing fonts, etc. The less you modify the look-and-feel, the better your documents will be perceived by your readers.

5.1 Two Columns

In the landscape format it's recommended to use two columns, for better readability of the text. Here is how:

```
\documentclass{huawei}
\begin{document}
\newpage
\begin{multicols}{2}
\section*{First}
Here goes the first column content.
\columnbreak
\section*{Second}
Here goes the second column content.
\end{multicols}
\end{document}
```

5.2 Crumbs

When you need to put many small information pieces into one page, we recommend you to use "crumbs":

```
\documentclass{huawei}
\begin{document}
\newpage
\section*{Project Details}
\begin{multicols}{2}
\raggedright
\PrintCrumb{Budget}{\$100K}

\PrintCrumb{Duration}{5 months}
\end{multicols}
\end{document}
```

6 Implementation

First, we load the parent class:

```
1 \LoadClass[12pt]{article}
```

Then, we parse package options:

```
2 \makeatletter
3 \newif\ifhuawei@dark
4 \DeclareOption{dark}{\huawei@darktrue}
5 \newif\ifhuawei@slides
6 \DeclareOption{slides}{\huawei@slidetrue}
7 \newif\ifhuawei@nosecurity
8 \DeclareOption{nosecurity}{\huawei@nosecuritytrue}
9 \newif\ifhuawei@authordraft
10 \DeclareOption{authordraft}{\huawei@authordrafttrue}
11 \newif\ifhuawei@nobrand
12 \DeclareOption{nobrand}{\huawei@nobrandtrue}
13 \newif\ifhuawei@nodate
14 \DeclareOption{nodate}{\huawei@nodatetrue}
15 \newif\ifhuawei@nocover
16 \DeclareOption{nocover}{\huawei@nocovertrue}
17 \newif\ifhuawei@nopaging
18 \DeclareOption{nopaging}{\huawei@nopagingtrue}
19 \newif\ifhuawei@landscape
20 \DeclareOption{landscape}{\huawei@landscapetrue}
21 \newif\ifhuawei@anonymous
22 \DeclareOption{anonymous}{\huawei@anonymoustrue}
23 \ProcessOptions\relax
24 \makeatother
```

Then, we set the size of the page:

```
25 \RequirePackage{geometry}
26 \makeatletter\ifhuawei@landscape
27   \geometry{paperwidth=16in, paperheight=9in,
28     left=4in, right=2in, top=1.5in, bottom=1.5in}
29 \else
30   \geometry{a4paper, left=1.5in, right=1in,
31     top=1.2in, bottom=1.2in}
32 \fi\makeatother
```

Then, we set the size of the font:

```
33 \makeatletter\ifhuawei@slides
34   \usepackage[fontsize=24pt]{fontsize}
35 \fi\makeatother
```

Then, we include a important packages:

```
36 \RequirePackage[T1]{fontenc}
37 \RequirePackage[utf8]{inputenc}
38 \RequirePackage{tabularx}
39 \RequirePackage{anyfontsize}
40 \RequirePackage{multicol}
41 \RequirePackage{ragged2e}
42 \RequirePackage{multicol}
43 \RequirePackage[mmddyyyy,iso]{datetime}
44 \newtimeformat{daytime}{\twodigit{\THEHOUR}:\twodigit{\THEMINUTE}}
```

```

45 \RequirePackage[tt=false,type1=true]{libertine}
46 \RequirePackage{paralist}
47 \RequirePackage{makecell}
48 \RequirePackage[para]{footmisc}
49 \setlength{\footnotemargin}{2pt}
50 \setlength{\footnotesep}{2pt}
51 \RequirePackage{graphicx}
52 \RequirePackage{array}
53 \RequirePackage[hidelinks]{hyperref} % to enable \pageref* command
54 \RequirePackage[abspath]{currfile}
55 \RequirePackage{enumitem}
56 \setlist{nosep}
57 \RequirePackage{microtype}
58 \RequirePackage{wrapfig}
59 \RequirePackage{lastpage}
60 \RequirePackage{tikz}
61 \RequirePackage{tabularx}
62 \RequirePackage{titling}
63 \RequirePackage{svg}
64 \RequirePackage[absolute]{textpos}
65 \TPGrid{16}{16}

```

Then, we configure biblatex:

```

66 \RequirePackage[maxnames=1,minnames=1,natbib=true,
67 citestyle=numeric,bibstyle=numeric,doi=false,
68 url=false,isbn=false,isbn=false]{biblatex}

```

Then, we set spacing between lines:

```

69 \RequirePackage{setspace}
70 \setstretch{1.08}

```

Then, we define branded colors:

```

71 \PassOptionsToPackage{table}{xcolor}
72 \RequirePackage{xcolor}
73 \definecolor{red}{HTML}{CFOA2C}
74 \definecolor{black}{HTML}{232527}
75 \definecolor{gray}{HTML}{878C8F}
76 \definecolor{yellow}{HTML}{F2DC5D}
77 \definecolor{blue}{HTML}{2274A5}
78 \definecolor{green}{HTML}{499167}
79 \definecolor{orange}{HTML}{F06543}

```

\huawei@header Then, we define \huawei@header:

```

80 \makeatletter\newcommand\huawei@header[1]{\%
81 \ifhuawei@slides%
82 \setstretch{0.8}%
83 \fontsize{19pt}{24pt}\selectfont%
84 \else%
85 \setstretch{0.8}%
86 \fontsize{11pt}{13pt}\selectfont%
87 \fi%
88 \sffamily\color{gray}\#1\par%
89 }}\makeatother

```

\huawei@bar Then, we define \huawei@bar:

```

90 \makeatletter\newcommand\huawei@bar{%
91   \begin{tikzpicture}[0,0](0,0)%
92     \tikz \node[fill=red,minimum width=\TPHorizModule,
93       minimum height=16\TPVertModule] {};%
94   \end{tikzpicture}%
95 }\makeatother

```

\huawei@logo Then, we define \huawei@logo:

```

96 \makeatletter\newcommand\huawei@logo{
97 \def\BLACK{\ifhuawei@dark white\else black\fi}
98 \def\BLANK{\ifhuawei@dark black\else white\fi}
99 \def\SCALE{\ifhuawei@slides 1.8\else 1\fi}
100 \begin{tikzpicture}[y=0.80pt, x=0.80pt, yscale=-\SCALE,
101 xscale=\SCALE, inner sep=0pt, outer sep=0pt]
102 \begin{scope}[even odd rule,line width=0.800pt]
103 \begin{scope}[shift={(0,-0.00024)}]
104 \path[fill=\BLACK] (10.9375,30.2240) -- (10.9375,33.6097)
105 .. controls (10.9375,34.5713) and (10.4603,35.0845) ..
106 (9.5932,35.0845) .. controls (8.7212,35.0845) and
107 (8.2411,34.5565)
108 .. (8.2411,33.5686) -- (8.2411,30.2278) -- (7.0415,30.2278)
109 -- (7.0415,33.6097) .. controls (7.0415,35.2737) and
110 (7.9658,36.2272) .. (9.5774,36.2272) .. controls
111 (11.2041,36.2272) and (12.1371,35.2554) .. (12.1371,33.5609) --
112 (12.1371,30.2240)
113 -- (10.9375,30.2240) -- cycle;
114 \path[fill=\BLACK] (15.3511,30.2240) -- (12.7456,36.1351) --
115 (13.9702,36.1351) -- (14.4731,34.9903) -- (14.5091,34.9045) --
116 (17.2158,34.9045) -- (17.7467,36.1351) -- (19.0045,36.1351) --
117 (16.4233,30.2590) -- (16.4001,30.2240) -- cycle;
118 \path[fill=\BLACK] (22.4840,30.2240) -- (21.1414,34.2912) --
119 (19.8344,30.2271) -- (18.5578,30.2271) -- (20.6186,36.1388) --
120 (21.6120,36.1388) -- (22.9573,32.2553) -- (24.3016,36.1388) --
121 (25.3034,36.1388) -- (27.3592,30.2271) -- (26.1152,30.2271) --
122 (24.8055,34.2912) -- (23.4626,30.2240) -- cycle;
123 \path[fill=\BLACK] (34.2236,30.2240) -- (34.2236,36.1300) --
124 (35.4074,36.1300) -- (35.4074,30.2240) -- cycle;
125 \path[fill=\BLACK] (0.2686,30.2244) -- (0.2686,36.1384) --
126 (1.4686,36.1384) -- (1.4686,33.7365) -- (4.1780,33.7365) --
127 (4.1780,36.1384) -- (5.3783,36.1384) -- (5.3783,30.2244) --
128 (4.1780,30.2244) -- (4.1780,32.6102) -- (1.4686,32.6102) --
129 (1.4686,30.2244) -- cycle;
130 \path[fill=\BLACK] (28.3267,30.2284) -- (28.3267,36.1344) --
131 (32.7928,36.1344) -- (32.7928,35.0575) -- (29.5105,35.0575) --
132 (29.5105,33.5931) -- (31.6931,33.5931) -- (31.6931,32.5160) --
133 (29.5105,32.5160) -- (29.5105,31.3052) -- (32.6785,31.3052) --
134 (32.6785,30.2284) -- cycle;
135 \path[fill=\BLANK] (15.8594,31.7207) -- (16.7149,33.7008) --
136 (16.7119,33.7008) -- (16.7701,33.8374) -- (14.9552,33.8374) --
137 (15.0127,33.7008) -- (15.0117,33.7008) -- cycle;
138 \path[fill=red] (15.2113,0.0001) .. controls (14.7353,0.0422) and
139 (13.4491,0.3349) .. (13.4491,0.3349) -- (13.4486,0.3349) .. controls
140 (10.5495,1.0843) and (9.8643,3.7151) .. (9.8643,3.7151) .. controls
141 (9.7227,4.1575) and (9.6584,4.6109) .. (9.6395,5.0380) --

```

```

142 (9.6395,5.6194) .. controls (9.6780,6.5176) and (9.8777,7.1883) ..
143 (9.8777,7.1883) .. controls (10.8461,11.4823) and
144 (15.6075,18.5379) ..(16.6308,20.0200) .. controls
145 (16.7034,20.0920) and(16.7615,20.0660) ..
146 (16.7615,20.0660) .. controls(16.8720,20.0355) and
147 (16.8633,19.9296) .. (16.8633,19.9296) --
148 (16.8654,19.9301) .. controls (18.4416,4.1760) and
149 (15.2113,0.0001) .. (15.2113,0.0001) -- (15.2113,0.0001) -- cycle;
150 \path[fill=red] (20.4192,0.0000) .. controls (20.4192,0.0000) and
151 (17.1748,4.1782) .. (18.7521,19.9415) --
152 (18.7542,19.9415) .. controls (18.7664,20.0416) and
153 (18.8374,20.0624) ..(18.8374,20.0624) .. controls
154 (18.9430,20.1033) and(18.9971,20.0019) .. (18.9971,20.0019) --
155 (18.9976,20.0029) .. controls (20.0472,18.4829) and
156 (24.7814,11.4657) ..(25.7455,7.1882) .. controls(25.7455,7.1882) and
157 (26.2683,5.1179) .. (25.7636,3.7150) .. controls
158 (25.7636,3.7150) and (25.0470,1.0434) ..(22.1442,0.3375) .. controls
159 (22.1442,0.3375) and (21.3077,0.1251) .. (20.4193,0.0000) --
160 (20.4192,0.0000) -- cycle;
161 \path[fill=red] (5.4542,4.7294) .. controls (5.4542,4.7294) and
162 (2.6920,7.3513) .. (2.5547,10.1307) -- (2.5558,10.1307) --
163 (2.5558,10.5519) .. controls (2.5579,10.5836) and
164 (2.5595,10.6157) .. (2.5615,10.6480) .. controls
165 (2.6804,12.8893) and (4.3665,14.2157) ..
166 (4.3665,14.2157) .. controls (7.0831,16.8634) and
167 (13.6611,20.2062) .. (15.1896,20.9647) .. controls
168 (15.2110,20.9727) and (15.2900,20.9985) ..
169 (15.3364,20.9399) .. controls (15.3364,20.9399) and
170 (15.3605,20.9216) .. (15.3715,20.8887) --
171 (15.3715,20.8189) .. controls (15.3704,20.8149) and
172 (15.3683,20.8109) .. (15.3663,20.8065) --
173 (15.3669,20.8065) .. controls (11.1809,11.6620) and
174 (5.4543,4.7294) .. (5.4543,4.7294) -- (5.4542,4.7294) -- cycle;
175 \path[fill=red] (30.1695,4.7294) .. controls (30.1695,4.7294) and
176 (24.4602,11.6403) .. (20.2761,20.7662) --
177 (20.2777,20.7657) .. controls (20.2777,20.7657) and
178 (20.2283,20.8715) .. (20.3082,20.9399) .. controls
179 (20.3082,20.9399) and (20.3320,20.9579) .. (20.3650,20.9652) --
180 (20.4229,20.9652) .. controls (20.4333,20.9622) and
181 (20.4444,20.9582) .. (20.4554,20.9507) --
182 (20.4554,20.9517) .. controls (22.0255,20.1724) and
183 (28.5525,16.8516) .. (31.2563,14.2162) .. controls
184 (31.2563,14.2162) and (32.9686,12.8412) ..
185 (33.0583,10.6334) .. controls (33.2560,7.5672) and
186 (30.1696,4.7294) .. (30.1696,4.7294) -- (30.1695,4.7294) -- cycle;
187 \path[fill=red] (35.3082,13.8080) .. controls (35.3082,13.8080) and
188 (26.0003,18.8031) .. (21.1876,22.0494) -- (21.1882,22.0499) --
189 (21.1893,22.0509) .. controls (21.1893,22.0509) and
190 (21.1019,22.1081) .. (21.1324,22.2106) .. controls
191 (21.1324,22.2106) and (21.1781,22.2933) .. (21.2446,22.2933) --
192 (21.2446,22.2938) .. controls (22.9684,22.2968) and
193 (29.4914,22.3041) .. (29.6549,22.2736) .. controls
194 (29.6549,22.2736) and (30.4983,22.2399) ..
195 (31.5406,21.8395) .. controls (31.5406,21.8395) and

```

```

196 (33.8608,21.1019) .. (35.0659,18.4677) .. controls
197 (35.0659,18.4677) and (35.6166,17.3662) .. (35.6246,15.8187) --
198 (35.6246,15.7531) .. controls (35.6206,15.1563) and
199 (35.5365,14.4957) .. (35.3083,13.8080) --
200 (35.3082,13.8080) -- cycle;
201 \path[fill=red] (0.3129,13.8313) .. controls (-0.5339,16.4531) and
202 (0.6062,18.5656) .. (0.6080,18.5690) .. controls
203 (1.7962,21.0795) and (4.0641,21.8401) ..
204 (4.0641,21.8401) .. controls (5.1112,22.2703) and
205 (6.1586,22.3000) .. (6.1586,22.3000) .. controls
206 (6.3221,22.3300) and (12.6713,22.3030) ..
207 (14.3725,22.2950) .. controls (14.4445,22.2945) and
208 (14.4842,22.2221) .. (14.4842,22.2221) .. controls
209 (14.4892,22.2142) and (14.4936,22.2062) .. (14.4955,22.1989) --
210 (14.4955,22.1333) .. controls (14.4814,22.0893) and
211 (14.4439,22.0584) .. (14.4439,22.0584) --
212 (14.4450,22.0578) .. controls (9.6347,18.8126) and
213 (0.3130,13.8315) .. (0.3130,13.8315) -- (0.3129,13.8313) -- cycle;
214 \path[fill=red] (14.1782,23.1010) -- (3.2285,23.4850) .. controls
215 (4.4160,25.6018) and (6.4158,27.2469) ..
216 (8.4990,26.7416) .. controls (9.9366,26.3822) and
217 (13.1935,24.1105) .. (14.2687,23.3429) --
218 (14.2651,23.3399) .. controls (14.3487,23.2648) and
219 (14.3188,23.2045) .. (14.3188,23.2045) .. controls
220 (14.2913,23.1062) and (14.1783,23.1063) .. (14.1783,23.1063) --
221 (14.1782,23.1010) -- cycle;
222 \path[fill=red] (21.4305,23.1090) -- (21.4294,23.1130) .. controls
223 (21.4294,23.1130) and (21.3333,23.1252) ..
224 (21.3064,23.1972) .. controls (21.3064,23.1972) and
225 (21.2831,23.2956) .. (21.3478,23.3445) --
226 (21.3467,23.3455) .. controls (22.3950,24.0973) and
227 (25.5729,26.3191) .. (27.1039,26.7505) .. controls
228 (27.1039,26.7505) and (27.3359,26.8294) .. (27.7246,26.8435) --
229 (27.9581,26.8435) .. controls (28.9839,26.8075) and
230 (30.7708,26.2805) .. (32.3946,23.4907) --
231 (21.4305,23.1090) -- cycle;
232 \end{scope}%
233 \end{scope}%
234 \end{tikzpicture}%
235 }\makeatother

```

Then, we configure headers using fancyhdr:

```

236 \RequirePackage{fancyhdr}
237 \pagestyle{fancy}
238 \renewcommand{\headrulewidth}{0pt}
239 \fancyhf{}
240 \makeatletter\fancyfoot[L]{
241   \huawei@bar
242   \ifhuawei@authordraft%
243     \begin{textblock}{14}[0.5,0.5](8,8)%
244       \tikz \node[minimum width=14\TPHorizModule] {%
245         \fontsize{64}{64}\selectfont\sffamily\scshape%
246         \color{gray!20}\rotatebox{30}{it is a draft}
247       };%

```



```

248 \end{textblock}%
249 \else\fi%
250 }\makeatother
251 \makeatletter\fancyhead[L]{
252 \ifnum\value{page}=1\else%
253 \ifhuawei@nobrand\else%
254 \begin{textblock}{8}[0,0](1.2,0.2)%
255 \huawei@logo%
256 \end{textblock}%
257 \fi%
258 \fi%
259 }\makeatother
260 \makeatletter\fancyhead[R]{
261 \begin{textblock}{8}[1,0](15.8,0.2)%
262 \raggedleft\huawei@header{%
263 \ifhuawei@nosecurity\else%
264 \thesecurity
265 \fi%
266 }%
267 \end{textblock}%
268 }\makeatother
269 \makeatletter\fancyfoot[R]{
270 \begin{textblock}{8}[0,1](1.2,15.8)%
271 \ifnum\value{page}=1\else%
272 \huawei@header{\raggedright%
273 \ifhuawei@anonymous\else%
274 \theauthor%
275 \ifhuawei@nosecurity\else%
276 \ifx\theid\empty\else, \theid\fi
277 \fi%
278 \ifhuawei@nobrand\else%
279 \newline
280 \fi%
281 \fi%
282 \ifhuawei@nobrand\else%
283 \thecompany{}
284 \fi%
285 }%
286 \fi%
287 \end{textblock}%
288 \begin{textblock}{8}[1,1](15.8,15.8)%
289 \raggedleft\huawei@header{%
290 \ifnum\value{page}=1\else%
291 \ifhuawei@nopaging\else%
292 Page \#\thepage{} of \pageref*{LastPage}%
293 \ifhuawei@nodate\else%
294 \\\
295 \fi%
296 \fi%
297 \fi%
298 \ifhuawei@nodate\else%
299 \today{} \settimeformat{daytime}\currenttime{}%
300 \fi%
301 }%

```

```

302 \end{textblock}%
303 }\makeatother

```

abstract Then, we redefine abstract environment:

```

304 \RequirePackage{changepage}
305 \renewenvironment{abstract}
306 {\begin{adjustwidth}{0pt}{1in}{\scshape Abstract:}\newline\small}
307 {\end{adjustwidth}}

```

\maketitle Then, we redefine \maketitle:

```

308 \makeatletter\renewcommand\maketitle{%
309 \vspace*{18pt}
310 {\bfseries{\Huge\thetitle}}
311 \ifx\thesubtitle\empty\else%
312 \[\[6pt]
313 {\color{gray!50!black}\large\thesubtitle}
314 \fi
315 \[\[18pt]
316 \ifhuawei@nobraand\else%
317 \ifhuawei@anonymous\else%
318 \ifx\thecompany\empty\else%
319 \thecompany\newline
320 \fi
321 \fi
322 \fi
323 \ifx\theauthor\empty\else%
324 {\scshape\ifhuawei@anonymous
325 Anonymous Authors
326 \else%
327 \theauthor
328 \fi}%
329 \fi%
330 \ifhuawei@anonymous\else%
331 \ifx\theauthor\empty\else
332 \ifhuawei@nobraand\else%
333 \ifx\theid\empty\else
334 $\;$\; {\theid}
335 \fi
336 \fi
337 \fi
338 \fi
339 \vspace{2em}
340 }\makeatother

```

\PrintCrumb Then, we define \PrintCrumb:

```

341 \newcommand\PrintCrumb[2]{%
342 \begin{minipage}{\columnwidth}%
343 \raggedright\textsc{#1}:\;\#2%
344 \end{minipage}\vspace{4pt}%
345 }

```

\PrintThankYouPage Then, we define \PrintThankYouPage:

```

346 \newcommand\PrintThankYouPage{
347 \newpage

```

```

348 \vspace*{\fill}
349 \begin{center}
350 \normalsize
351 {\Huge\color{red}\textbf{Thank you!}}
352 \end{center}
353 \vspace*{\fill}
354 }

```

\PrintDisclaimer Then, we define \PrintDisclaimer:

```

355 \makeatletter\newcommand\PrintDisclaimer{%
356 \justify\vspace*{\fill}%
357 \begin{group}%
358 \setstretch{0.55}%
359 \sffamily\scriptsize\color{gray!50!black}%
360 \textbf{Disclaimer}: The opinions expressed in
361 this document are in good faith and
362 while every care has been taken in preparing it,
363 \ifhuawei@nobraud%
364 the author%
365 \else%
366 \thecompany{}%
367 \fi
368 makes no representations and gives no warranties
369 of whatever nature in respect of these documents,
370 including but not limited to the accuracy or completeness
371 of any information, facts and/or opinions contained therein.
372 \ifhuawei@nobraud%
373 The author%
374 \else%
375 \thecompany{}%
376 \fi,
377 its subsidiaries, the directors, employees and agents
378 cannot be held liable for the use of and reliance of
379 the opinions, estimates, forecasts and findings in
380 these documents.
381 \par
382 \endgroup%
383 }\makeatother

```

\PrintFirstPage Then, we define \PrintFirstPage:

```

384 \makeatletter\newcommand\PrintFirstPage[1]{
385 \ifhuawei@landscape\else
386 \PackageError{huawei}{It's allowed to use
387 PrintFirstPage only in landscape mode}{Read huawei.pdf
388 for more information}
389 \fi
390 \huawei@bar
391 \def\param{#1}%
392 \ifx\param\empty\else
393 \includegraphics[height=2in]{#1}
394 \newline
395 \fi
396 \vspace*{0.5in}
397 \maketitle

```

```

398 \ifhuawei@nocover\else
399 \begin{textblock}[14][1,1](14,14)
400 \raggedleft\includegraphics[height=3.6in]{huawei-cover-picture.pdf}
401 \end{textblock}
402 \fi
403 }\makeatother

```

\PrintLastPage Then, we define \PrintLastPage:

```

404 \makeatletter\newcommand\PrintLastPage{
405 \ifhuawei@landscape\else
406 \PackageError{huawei}{It's allowed to use
407 \PrintLastPage only in landscape mode}{Read huawei.pdf
408 for more information}
409 \fi
410 \newpage
411 \vspace*{1in}
412 \begin{center}
413 \begin{minipage}{0.6\columnwidth}\raggedright
414 \normalsize
415 \setlength{\parskip}{6pt}
416 {\Huge\color{red}\textbf{Thank you!}}
417
418 \vspace{0.5in}
419
420 Bring digital to every person, home and organization
421 \newline
422 for a fully connected, intelligent world.
423
424 \textbf{%
425 Copyright \copyright{} \the\year{} \thecompany{}
426 \newline
427 All Rights Reserved.%
428 }
429
430 The information in this document may contain predictive
431 statements including, without limitation, statements regarding
432 the future financial and operating results, future product
433 portfolio, new technology, etc. There are a number of factors that
434 could cause actual results and developments to differ materially
435 from those expressed or implied in the predictive statements.
436 Therefore, such information is provided for reference purpose
437 only and constitutes neither an offer nor an acceptance.
438 \ifhuawei@nobraand%
439 The author%
440 \else%
441 \thecompany{}%
442 \fi
443 may change the information at any time without notice.
444 \end{minipage}
445 \end{center}%
446 }\makeatother

```

\PrintBibliography Then, we define \PrintBibliography:

```

447 \makeatletter\newcommand\PrintBibliography{

```

```

448 \setlength\bibitemsep{3pt}
449 \AtNextBibliography{\small}
450 \newpage
451 \raggedright
452 \ifhuawei@landscape
453 \begin{multicols}{3}\setstretch{0.95}\printbibliography\end{multicols}
454 \else
455 \begin{multicols}{2}\setstretch{0.95}\printbibliography\end{multicols}
456 \fi
457 }\makeatother

```

Then, we set the background color of the document:

```

458 \makeatletter\ifhuawei@dark
459 \RequirePackage{pagecolor}
460 \pagecolor{black}
461 \color{white}
462 \fi

```

Then, we configure layout:

```

463 \AtBeginDocument{%
464 \raggedbottom%
465 \raggedcolumns%
466 \setlength\headheight{32pt}%
467 \setlength\footskip{32pt}%
468 \setlength\topskip{0mm}%
469 \setlength\parindent{0pt}%
470 \setlength\parskip{6pt}%
471 \setlength\columnsep{32pt}%
472 \def\arraystretch{1.5}%
473 }

```

Then, we renew a few commands:

```

474 \renewcommand\title[1]{\renewcommand\thetitle{#1}}
475 \newcommand\thetitle{\textbackslash{}thetitle}
476 \newcommand*\thecompany{Huawei Technologies Co., Ltd.}
477 \newcommand\thesubtitle{}
478 \renewcommand\author[1]{\renewcommand\theauthor{#1}}
479 \newcommand\theauthor{\textbackslash{}theauthor}
480 \newcommand*\thesecurity{Confidential}
481 \newcommand*\theid{}
482 \ifcsname nospell\endcsname\else\newcommand\nospell[1]{#1}\fi

```

Change History

v0.1.0
General: Initial version 4

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