



Report Template of QMES

Zhang San 20231234

Li Si 20245678

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1 Introduction

This template is design for student of QMUL engineering school, NPU.

The main content of the document begins here. And page numbering starts here.

2 Methodology

Sample text for demonstrating the template features.

2.1 User's customization

For better use, the template has some customizable content. There is some basically customization below:

```
1 \title{Edit this to your report name}
2 \course{The course code}
```

Generally speaking, no changes are needed in this line. Unless you need the report to show a date that's not today.

```
1 \date{\today}
```

For the security reasons, users can only count the number of characters by themselves. it's recommended that count your PDF files.

```
1 \wordcount{The word count of your report}
```

For each team member, you need to add their personal information with a single addstudent directive so that they can be displayed in the author column of the title page

```
1 \addstudent{your team parter's name}{his/her student number}
```

2.2 Fig and Table

Here we shows the example of Table and Figure. Notably, we fixed an issue where the font size of the headers for legends and tables (and, of course, code blocks) was incorrect.

Listing 1: The Implementing of the Table below

```

1 \begin{table}[h!]
2   \centering
3   \caption{Example of Table}
4   \label{table:1}
5   \begin{tabular}{ccc}
6     \hline
7     Animal & Food & Size \\
8     \hline
9     dog    & meat & medium \\
10    horse  & hay  & large \\
11    frog   & flies & small \\
12    \hline
13  \end{tabular}
14 \end{table}

```

Table 1: Example of Table

Animal	Food	Size
dog	meat	medium
horse	hay	large
frog	flies	small

Listing 2: The Implementing of the figure below

```

1 \begin{figure}[ht]
2   \centering
3   \includegraphics[width=0.2\textwidth]{./figure/LOGO.jpg}
4   \caption{LOGO fig}
5 \end{figure}

```



Figure 1: LOGO fig

2.3 Listings

Example of implementing code blocks through listings is below:

Listing 3: The Implementing of Code Block Below

```

1 \begin{lstlisting}[language=Python,caption={Example Code 1}]
2     def hello_world():
3         print("Python code example")
4 \end{lstlisting}

```

Listing 4: Example Code 2

```

1     def hello_world():
2         print("Python code example")

```

Here shows implement code blocks through include code file:

Listing 5: The Implementing of Code Block Below

```

1 \includecode[language=C++,caption={Example for include code file}]{src/main.cpp
   ↪ }

```

Listing 6: Example for include code file

```

1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int n;
6     cin >> n;
7     int day[1001];
8     for (int i = 0; i < n; i++)
9     {
10         cin >> day[i];
11     }
12     for (int j = 0; j < (n - 1); j++)
13     {
14         if (day[j] == 31)
15         {
16             if (day[j + 1] == 31)
17             {
18                 if (day[j + 2] == 31)
19                 {
20                     cout << "No";
21                     return 0;
22                 }
23             }
24         }
25         else if (day[j] == 28 || day[j] == 29)
26         {
27             if (day[j + 1] == 30)
28             {
29                 cout << "No";
30                 return 0;
31             }
32         }
33         else if (day[j] == 30)

```

```
34     {
35         if (day[j + 1] == 30)
36         {
37             cout << "No";
38             return 0;
39         }
40     }
41 }
42 cout << "Yes";
43 // Look a very loooooooooooooooooooooooooooooooooooooooooooooooooooooog
44 ↪ striiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiing
45 return 0;
46 }
```

3 Customization of Template

You can further customize your document by modifying some parameters in the *qmes-template.cls*.