

Employment Cost Calculator: A Documentation

Part I. General Information

General Description

Employment Cost Calculator (ECC) is a WordPress plugin, developed and tested in the WordPress theme Avada. This plugin implements and maintains employment cost calculators for both internal and external users.

GitHub repository: <https://github.com/DevHROne/ECC>

How to install the plugin

1. Download (and unzip) the plugin from GitHub repository above into an ECC folder
2. Connect to website server and push the ECC folder under `/[website_name]/wp-content/plugins`
3. In WordPress dashboard sidebar, click “plugins”. You should see “Labor Cost Calculator” in the list of plugins, and under it click the link “activate”.

How to add a new calculator

In WordPress admin sidebar, select page >> add new. In the add-new-page panel, click “use fusion builder” if it’s not ready; In Fusion Builder, first add a 1/1 container, and then in “+ element”, select the “code block” option, paste the corresponding short-code for the type of calculator (guest or internal user) you want. You can find the short-code in the ECC plugin panel, or as for now, the short-codes are:

- `[Labor-Cost-Calculator_Guest]` for guest.
- `[Labor-Cost-Calculator_Internal]` for internal users.

After pasting the short-code, click “save draft” or “publish”.

How to insert, update and delete city data

Go to ECC plugin panel by clicking “Labor Cost” in WordPress dashboard.

For data insert and update, use excel upload. Click “choose file” and choose the excel with inserted or updated data according to the template format and filename format. Find the template in WordPress Media, or in project GitHub directory. The filename format is: ECC-Data-Update_yyyymmdd.xlsx, where yyyymmdd is current date. For example, an upload on Aug 21, 2018 should use ECC-Data-Update_yyyymmdd.xlsx as filename.

For data delete, use the “Delete City” drop-down selector. Note that after clicking “delete”, the deleted city can still show in drop-down selector, but it will disappear after reloading the page.

How to access source code

To access source code, you need to be added as a Pressable collaborator for the website. Use FileZilla or other SFTP software, connect to the server with the username and password which you can find on Pressable.

Part II. Guest Calculator

How to edit the email sending configurations

Go to ECC/html/GuestShortcode.php, in the *user_info_input* function, find the line:

```
$mail = new PHPMailer\PHPMailer\PHPMailer();
```

Under this line are the configuration for email:

- \$sender and \$password for the mailbox from which the email is send and its password
- \$message and \$mail->Subject for email title and content. Note that \$message is interpreted as html.
- \$mail->AddCC for carbon copy. Etc.

How to edit email signature

In ECC/html/Signature.php, change the text between <<<SIGNATURE and SIGNATURE to html code you need. Do not add space or tab before and after <<<SIGNATURE and SIGNATURE. You might need to remove unnecessary newline character in your html code.

For more information, google “php heredoc”.

What to change when implementing ECC onto another company website

1. Page title name
2. Email subject name, content, signature and name of attached file
3. PDF template
4. Mailbox from which guest email is sent

Part III. Internal Calculator

How to change default Business Tax Rate

VAT Rate, Business Tax Rate – Agency, Business Tax Rate – Dispatching are three default variables. In each calculation they can be edited manually. To change the default value, in

ECC/html/InternalShortcode.php, find “VAT Rate”, and in the three following input tags, edit the “value=” field.

How to manipulate pdf

1. Change template

For simple changes excluding data table format, change template would be enough. Name the new template as ExternalTemplate.php and substitute the old version in ECC/pdf/pdf. Be careful to leave the code-generated part of pdf blank.

2. Coding pdf

For pdf sent to guests, go to ECC/pdf/ExternalPDF.php; for pdf for internal users, go to ECC/pdf/InternalPDF.php.

ECC use fpdf and fpdi package to manipulate pdf. The basic workflow is:

Define fpdi object and import source file >> Add page of customized size and set template from source file >> Set a xy coordinate on page >> Set text size, font and color >> Add a text cell at the coordinate you set of customized height and width containing customized text.

For more info, refer to the code in ECC/pdf/ExternalPDF.php and/or google “fpdf”.

Part IV. Future improvements

Major functionalities

- pdf download for internal users
- Graphic output for guest calculator, bar chart etc.

- Dynamic output for guest calculator, show result without clicking any button
- Responsive page according to device size

Project structure

- Store mailbox password (from which email is sent to guest) in encrypted file
- Define global variable for website name, enable easy implementation onto another company website
- More complete database writing, for guest calculation input, date of data update, etc.