# **Footer Component**

## Overview

The footer components contain a contact form, location of college and a navbar.

**Have a Query? Get in Touch**

Name Field

Email

Phone Number

Map

Subject

Message

Address

submit

// Social Media links //

Form Component

// Footer Nav-Bar //

// Useful links

Swayam E-Cell

VCE

## Variables

All the variables are declared as ‘constant’ i.e.; cannot be changed at runtime.

### **nameRegularExpression**

This variable is a regular expression for the user handle. We use it to check the format of the name on the contact form. The user handle can contain any number of **characters** between 3 and 15. It cannot start with a blank space, though the user can add space anywhere else in their name.

### emailRegularExpression

This variable is a regular expression for the user’s email. We use it to check the format of the name on the contact form. The user’s email id must start with an alphanumeric character (local-part of the address), followed by the address sign and the domain name. The local part of the address may contain periods(.), underscore (\_) or hyphens (-). The domain name should be at least two characters long and can span to any number of letters.

### numberRegularExpression

This variable is a regular expression for the user’s phone number. We use it to make sure the user enters only numbers in the given field. The number’s length can be ten or eleven (if the user enters the country code).

### subjectRegularExpression

This variable is a regular expression for the subject field on the contact form. We use it to make sure that the user doesn’t leave it blank. The user is allowed to enter any alphanumeric character, period (.), question mark (?), underscore (\_), hyphen (-), exclamation mark (!), comma (,), forward-slash (/), backward-slash (\), angle brackets (<>), colon (:), semi-colon (;), curly brackets ({}), round brackets (()), square brackets ([]), asterisk (\*), ampersand (&), hash (#) and spaces. The subject can’t be blank and should contain at least three characters and at most fifteen characters.

### messageRegularExpression

This variable is a regular expression to validate the message field on the contact form. We use it to make sure that the user enters a valid message in the field. The user is allowed to enter any alphanumeric character, period (.), question mark (?), underscore (\_), hyphen (-), exclamation mark (!), comma (,), forward-slash (/), backward-slash (\), angle brackets (<>), colon (:), semi-colon (;), curly brackets ({}), round brackets (()), square brackets ([]), asterisk (\*), ampersand (&), hash (#) and spaces. The subject can’t be blank and should contain at least three characters and a maximum of hundred characters.

## The footer component file

The footer component is a functional component, which returns the JSX for the footer. It is further divided into address component, the form component and the footer navbar component.

The function ‘footerComponent’ takes one parameter ‘props’ as an argument. It is used to refer to the JSX attributes passed from the class Components.

For instance: In the Footer.js file, the form handler is passed as JSX attribute and we use it in footerComponent.js file using props.formhandler

Now, let’s look at the other parts in this component.

### Address Part

The address part of the component contains a map, address and social media links. The map is embedded using the iframe attribute, with the source as the college's address.

### Form Component

The form part of the component contains a contact form with name, email, phone number, subject and a message as its field. Each field has a change handler that handles the change on the input text field. The error and helper text attributes in each are set based on the regular expressions. If the entered details don't match the format specified in the regular expression, the error field becomes true, and the helper text changes to the error message.

### Footer Nav-Bar

The footer navbar part of the component has some links to change pages on the website. There are six links for six pages.

Each page has a description in a separate document.