# PESIT PROJECTS PORTAL

## Created By

* Alok Shankar M
* Abhinav M Kulkarni
* Akshay R Deshpande

## Guided By

* Prof.Shylaja S Sharath ( The HOD, Dept. of Information Science and Engineering )

## Objective

To create a platform that facilitates the interaction of Students, Teachers and The Industry on the subject of projects.

## Background

The current situation of students in PESIT is such that, despite the hard work of the departments and the management in their efforts to keep the student body of the college engaged, the students do not know of the ongoing project opportunities that are offered to them. We, under the guidance of Prof.Shylaja S Sharath offer a solution to this predicament.

## Abstract

As a solution to the above mentioned problem, We have built a website that will be a platform for showcasing past, current and upcoming projects that are built by either the faculty and/or the student body of the college.

The Website allows for student-teacher-industry interaction. The website acts as a catalog of all projects that take place in the college. It is accessible by all the members of the projects and certain industry recruiters who have special access to add and edit projects. The website can also be used by other people who might not be linked to the college and it will act as a database of projects which can be viewed by them. Each registered member of the website has the option to link their account with their LinkedIn account. This will be beneficial for students. If a student’s work meets the requirements of an Industry recruiter, He can directly view the student’s LinkedIn profile and will hence simplify the recruitment process. The website not only allows for cataloging of projects, It also make the entire database extremely searchable.

The website also supports file uploads so that the members of the project can share files related to the project with themselves and other members based on their discretion.

This site will not only improve the quality of projects in our college, It will also further the reputation of the college itself, since this is the first initiative of this kind in Karnataka and some of the first in the whole of India.

# Technical Details

We have built the website on the ruby on rails platform, which utilizes MVC (Model, View, Controller) architecture.

The View or the design of the website is built using HTML/CSS and jQuery for animations and dynamic client side interaction.

The Controller or the Logical component of the site is built using the ruby programming language.

For the Model or the Database, We have used Sqlite3 for development and PostGreSQL for production controlled by ActiveRecord.

## Bibliography

For help with the Ruby on Rails, we have referred to Ruby Documentation And Ryan Bates’ Railscasts  
<http://ruby-doc.org/>  
http://railscasts.com/

For help with the HTML/CSS designing, We used W3Schools HTML guide  
<http://w3schools.com/html/default.asp>

For general questions on some of the problems faced by us, We referred to StackOverflow  
<http://stackoverflow.com/>

**Abhinav M Kulkarni Alok Shankar M Akshay R Deshpande**