**Problem statement**

**The current website of Institute has lots of bugs and students facing problems while using it.**

The official website of Government Polytechnic Jalgaon is now out of date. It is no responsive and hard to maintain also, there are so many loop holes in the official website of Government Polytechnic Jalgaon. Also, official website has not SSL certified domain. There is no feedback or contact form in official website of Government Polytechnic Jalgaon. We are mentioning one by one problems of website below:

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| --- | --- |
| Problem | Page |
| No SSL certificate | Website |
| Responsiveness issue | Home |
| Grid issue | Home |
| Nested scrolling | Home |
| Institute gallery is missing | About us |
| There are 6 bars but only 3 photos are visible | Information technology |
| Technical staff profile missing | Information technology, science |
| Library and Newsletter is not working | Information technology, Electrical, E&Tc, pharmacy |
| No data of labs | Computer, workshop, E&Tc , mechanical |
| No photos | Mechanical department |
| PEO’s data missing | Mechanical department & civil, Electrical |
| Faculty data is not updated | Mechanical department |
| Achievement data missing | Pharmacy department |
| Science | Faculty profile issue |
| Hostel data is missing | Student corner |
| MCSR data issue | Other |
| Feedback form missing | Website |
| Website map missing | Website |
| Contact form missing | Website |

As hundreds of students are user of our website. We should provide a good trustworthy website to student where student can easily interact with college and search their requirement. Also, we should provide a contact and feedback form to students so they can contact with our institute easily. All above mentioned problems will be solved. We will use great animations, pictures, forms, navbars, map to design very interactive website for students, new visitors and passed out students.

**Solution Proposal:**

We will make website Interactive and will make the UI minimal

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Technical Introduction : As there are many technologies to develop a single web page, we chose react library to develop official website for government polytechnic jalgaon .

React Javascript library  help us to develop single page application.

A single page web app implementation that loads only single web document, and then updates the body content that single document via Javascript and fetch when different content is to be  shown.

Also we will going to use tailwind css library to design UI.

Now a days, tailwind library has great UI components which works very well in Desktop and mobile.

We are going to use vectors illustration which makes UI much good.

We will use animations libraries so user has good experience while using it and user will enjoy the UI.

We will add some font libraries that makes notification and other panels attractive.

We will add WebMap so new users can easily trace the website. And can find anything they want.

We will use great colour combinations that makes UI much beautiful.

Since our mostly users will visit Website from mobile phone, We will make responsive UI much better .

The biggest problem in current official website is, Website has incomplete data.

The Uploaded images are not properly adjusted.

We will make sure that the website has all staff data, labs data library data, facilities data.

We will use google form and collect data forms teaching and non teaching staff and implement all the data on website.

We will upload High Resolution (HD) quality photos

We are going add previous results, achievements activities, placements and many more which makes website more helpful

**Literature Survey and methodologies :**