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Result Management System

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0.1 Acknowledgement

I would like to express my special thanks of gratitude to my professor DR. APURBA SARKAR as well as my mentor who gave me the golden opportunity to do this wonderful project, "Result Management System" on the topic which also helped me in doing a lot of Development and i came to know about so many new things I am really thankful to them.

Finally my utmost thanks to our professor DR. DIPAK KUMAR KOLE without whose efforts this internship would not have been possible.

Abstract

The following project "Result Management System" aims to generated student Mark sheet through web base, using some web development tool (HTML, CSS, BOOTSTRAP, JQUERY, AJAX, PHP & MYSQL).

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0.2 Plan of Internship

We have done our internship from the Computer Science and Technology Department of Indian Institute Engineering Science and Technology, Shibpur, under guidance of Dr. Apurba Sarkar.

Although the project is under maintenance for further implementation and design. We have done all the arrangements of the project in a Software Lab or Impact Lab where we got much resources to complete our tasks.

0.2.1 Dates of Internship

The Internship programme was commenced on 23rd May,2017 and ended on 14th July,2017 for a total duration of 53 days.

0.3 Training Program

It was a very fruitful experience during this summer vacation. In the first day, 23rd May, We meet to Professor and he directed that what we had to present there. We have attended all college working hours during this internship program. We started from some raw thinking and made some sketch of that project. We made the database structure and Data flow diagram. After that initial part, we are assigned task to all member and that is where the training program begins. After simulating through the basics of HTML, PHP and SQL, I assigned to study the Bootstrap Framework that is used mostly in our project later. After the first week we started our first step through our project "Result Management System". After some successive steps, our professor said us to use AJAX i.e. a very unique and sophisticated features of web technology where we got response from the server without having refreshing the existing page. That makes it little faster, robust and unique. We went through the JQuery to understanding the AJAX that how does it works. After spending a beautiful journey of 6 week internship program, we almost got our project completed until we got some caught errors of code. We took another one week to clear out those problem and submitted the project. Our professor has told us to improve our project and make it more robust and implement our thinking as far as possible. The internship program had helped us to enrich our brains with some knowledge about web development technology. We have gone through some steps through the web designing world like HTML5, Bootstrap, JQuery, AJAX and PHP & SQL, though it is just a little step up through the world of web development Technology as there are many more to be learn in near future.

0.4 Learning Experiences

0.4.1 Knowledge acquired:

we gathered a bunch of resourceful experience during this internship program. We learn some new techniques that are being used in the current generation of web development. We went through some theoretical part of JQuery, AJAX, Bootstrap Framework, and Database.

0.4.2 Skills acquired:

We are being assigned different kinds of works, we got some skills in different cases like making an attractive user interface using bootstrap framework, making dynamic pages, functions etc. As it also carries some of our failures to gain those skills. We are still giving some serious attention to these skills as we will make some implementation in further future.

0.4.3 Observed Attitudes and gained values

The working in that project was energetic from the first day as we all are so focused on the task. Firstly, we got a lesson from our professor that A success always needs a positive attitude that helps us cope more easily with the daily affairs of life. It brings optimism into life, and makes it easier to avoid worries and negative thinking. We also worked as a team and had an experience on Team Work that helps us in near future. We got a good lesson on Patience and Strong mind. We faced some bitter experience while try to implement some of our thinking.

0.4.4 The most Challenging task performed:

We were not professional so that is why we faced some really challenging tasks that we should had to finish. Firstly, we faced a problem while a update query is not working using AJAX technique. We tried it in many ways, getting helps from Internet. But after some days the problem has been retained by another way. We learn that we need to study more advance on AJAX. After that phase, we faced another problem while generating a pdf page by dynamically fetching the data from correlated database periodically. Some codes did not

responding there because of some machine related problems. But lastly we pulled out those problems and go on.

0.5 Strength, Weakness, Opportunities, Threats (SWOT) Analysis

0.5.1 Strengths:

We got some mental strength that helps in improper situation, and in the time of failure too. We have got confidence to work on web design technology in future. We were properly dressed, well behaved, on time, punctual and also gave a hard try to success in life.

0.5.2 Weakness:

Sometimes we got nervous being failure.

0.5.3 Opportunities:

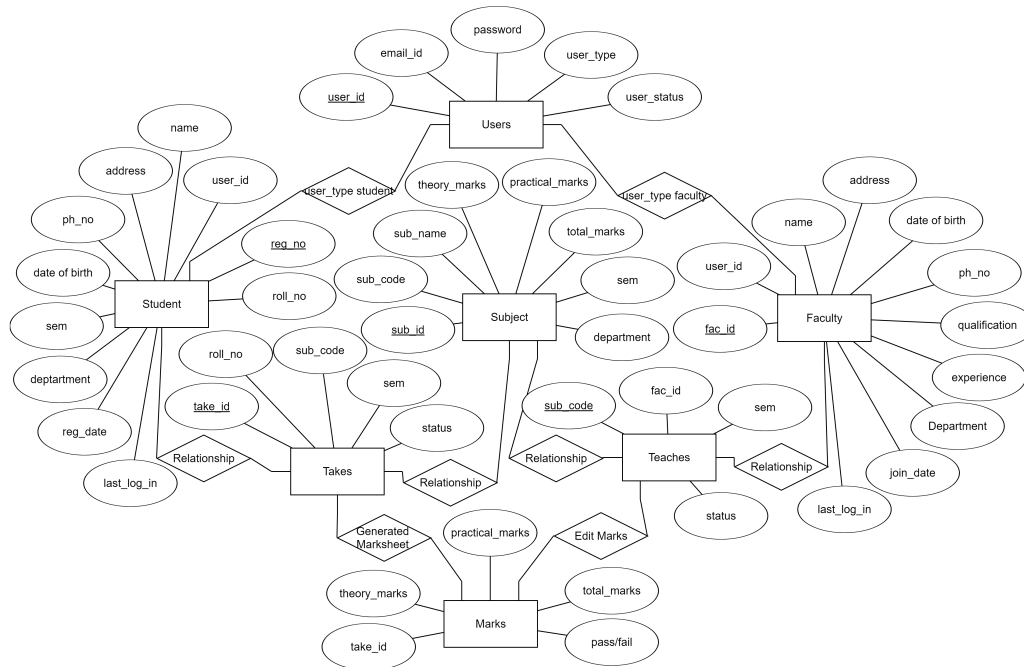
In this case, we have worked on Web Design Technology, as we enriched our regarding knowledge it could be more useful for our future opportunity in Academic constrains as well as corporate constrains.

0.5.4 Threats:

During our internship program there were no threats regarding the environment during our internship which can cause any trouble for any other project.

0.6 Problem Identification and Solution

From the various designs in Web pages that I have been familiar with during the internship. I have been broughtly discussed FULL STACK WEB DEVELOPMENT.



0.6.1 Front-End Development

At first i face huge problem as because some of the members of the group were beginners. So some of us learned about it then started implementation. So it took much time to complete the project.

0.6.2 Back-End Development

In this part there was mostly connection problems due to using different versions of PHP. Sometimes we faced difficult with XAMPP. And also face AJAX script runing problem. When we fixed then it worked properly.

0.7 Conclusion

I would like to conclude by mentioning that the current internship has been an excellent and rewarding experience. I had also developed my programming skills through various programs that I had done. This also helps sharpen my skills in HTML, BOOTSTRAP, JQUERY, AJAX, PHP & MYSQL since most of the programs were done with the aid of Atom Code Editor and XAMPP - Apache Web Server. In sum, the activities that I had learned during summer project training really are useful for me in future to face challenges in a working environment.

0.8 References

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