MTech-Programme Software

A Project Report Submitted

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In

Computer Science and Engineering

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**CERTIFICATE**

This is to certify that Project report on **MTech-Programme Software** preparedby **Abhilash Mishra, Soumya Ranjan Patel** bearingregistration nos**-**14010207,14010203 respectively of 6th semester **COMPUTER SCIENCE AND ENGINEERING**, **VEER SURENDRA SAI UNIVERITY OF TECHNOLOGY, BURLA** during the session 2016-17 is done under my guidance.

This Project has been successfully delivered and examined. It was found fit and approved for submission.

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An assemblage of this nature could never have been attempted without inspiration from the works of others whose details are mentioned in references section.

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**ABSTRACT**

Maintaining well-documented student records for universities has become an indispensable need. A well-maintained student record not only helps the College administration in proper book-keeping, but also provides real-time data for professors to monitor students’ performance and select those who would best fit into their projects and research works. Concurrently, maintaining a good record of professors in the University could make it easier for students to approach them without wasting too much time in background analysis. The following web application is meant to serve all the aforementioned purposes. It’s use will lead to an increase in the over-all productivity of Universities and make them smarter.

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**1.INTRODUCTION**

The M.Tech- Faculty project, “Books”, has a professor-side interface and student-side interface. The student-side interface displays details of a student: Personal details, Research-papers published by him, his MTech thesis etc . The professor-side interface consists of the professors’ personal details, papers published by him, the MTech students who were and are guided by him and other details. Both the professors and the students are required to upload research papers published by them. Students can view the papers of professors, but can’t view the profile of other students. Professors can see student profiles and other faculty profiles, but can’t modify them.

* 1. **. Faculty Interface**

Professor interface has components like:

1. Educational qualifications:

Professors are required to upload data regarding their Alma-Mater (BTech, MTech and PhD).

1. Papers published:

Professors must upload their published papers. The data to be included are: Title, Abstract and Research Paper in PDF format.

1. Thesis of MTech and PhD:

Professors must upload their published thesis of MTech and PhD. The data to be included are: Title, Abstract and Research Paper in PDF format.

1. List of students guided

The list of students working under professors is displayed in the professors’ interface.

1. View students’ details:

A professor can view uploaded details of every student. But he cannot modify the data of the students.

**1.2 Student interface**

The student interface contains components like:

1. Educational Qualification:

Students are required to provide information regarding their BTech Alma-Mater.

1. Papers published:

Students must upload their published papers. The data to be included are: Title, Abstract and Research Paper in PDF format.

1. Thesis of MTech and PhD:

Students must upload their published thesis of MTech. The data to be included are: Title, Abstract and Research Paper in PDF format.

1. Research guides:

The guide professor is mentioned in the student profile.

**2.REQUIREMENTS OF THE PROJECT**

The software used in the project are:

1. HTML
2. CSS
3. Javascript
4. PHP
5. XAMPP(for local server)

**3.1DATABASE RELATIONS USED**

1. basic={Name, AdharNo, Profession,Email,Password}
2. qualification={AdharNo, BTech, MTech, PhD}
3. mtech\_f={AdharS,AdharF}
4. Paper={AdharNo, Title, Abstract, Paper\_upload}
5. Sdetails={AdharNo,RegNo,Myear}
6. Thesis\_u={ AdharNo, Title, Abstract, thesis\_upload }

**3.2 DESCRIPTION**

1. basic:

This table contains basic common information about professors and students. Adhar Card Number is the primary key for these tables.

2. qualification:

This table contains details of the qualifications of professors. Adhar Card Number is the primary key for these tables.

3. mtech:

This table contains the mtech students who work under the guidance of the professor. Adhar Card Number is the primary key here.

4. Paper:

This table contains the details of the research papers published by students and professors. Adhar Card Number is the primary key here.

1. S\_details:

This table contains the details of the MTech students perusing in the University . Adhar Card Number is the primary key here.

1. Thesis\_u:

This table contains the details of the thesis of the students and the professors(if available). Adhar Card Number is the primary key here.

**4.MODULES USED IN THE PROJECT**

1. Login module (name:login)

This module is used for logging into user account. If the login is not successful, error message is displayed.

1. Register module (name:register)

This module registers new users in the MTech- Faculty software. Register page is common for both faculties and students.

1. Front Page module(name:front)

This module shows profiles of students and professors. Professors can view other student profiles, but students can’t view other profies, expect for the professors’.

1. Introductory module(name:first)

This nodule contains the introductory page displayed when the user opens the MTech-Professor software.

1. Paper upload(name:Paper)

This module is used for uploading research paper in the database.

1. Thesis upload(name:Thesis)

This module is used to upload thesis in the database.

1. Upload qualification(name:qualification)

This module is used to upload the qualification of professors and faculties in the database.

**5. SCOPES FOR FUTURE IMPROVEMENT:**

1. The project can be further expanded to have a message delivery system, by which professors and students can drop messages (public or private) through the project interface.
2. Facilities for web conferences can be added to the project so that direct interaction can take place through the project.
3. Online assignment submission feature can be added to the software, so that students can directly upload their assignments. This would allow plagiarism checks and other sophisticated methods to be applied to check the authenticity of the assignment.

**6.CONCLUSION**

The MTech Student-Professor project has a huge scope in improving the productivity of our educational system. Apart from the utilities mentioned earlier, this web application can also be used for maintaining alumni records and can help to improve Alumni-Student interactions, consequently leading to better industry-academia relations.

**7.REFERENCES**

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