

Hello everyone. (Good Afternoon everyone).

I am honored to represent my team.

I am Sailesh Rajanala and I am the Team Lead for Team Lotus Group.

Today, I would like to talk about 4 things.

- Firstly, I would like to share some information about my team.
- Next, I would like to talk about the problem we are working on and our solution to the problem.
- Next, I would like to talk about the core values of our project.
- Lastly, I would like to share information about my contributions to the team.

Team

- Firstly, the name of our team is TEAM LOTUS
- Our team is an interdisciplinary team consisting of students majoring Computer Science and Computer Engineering Disciplines.
- All members of our team are international students.
- Here is a detailed list of all the members of the team and their roles.

Next, Let's talk about the problem.

Problem

For easy and better understanding, let's divide the problem into facts and needs.

Let's start with the facts.

Facts

- WSU has deeply-rooted relationships with the local industry.
- Every department under the College of Engineering has its own Senior Design Course and its own "list" of industry contacts.
- These lists do not grow every semester, rather they grow rarely. Instructors have to rely on same contacts every semester for new projects.
- These lists are limited in size and contain extra, diverse and redundant information that cannot be used to gather senior design projects.
- For example, less than 50% of contacts in the list are reliable.

- Therefore, it is become very hard for senior design instructors to gather interdisciplinary sponsored projects that are specific to their department every semester.

Solution

- Our solution is to create a unified database to consolidate all these lists into one robust format that is accessible to all departments.
- On doing so, we will create an all in one location that serves as a source for identifying
 - Industry Partners
 - Research Partners
 - Community Partners
 - Internship Opportunities
 - Senior Design Projects

Therefore every Senior Design Instructor will have access to dynamic list of contacts from every department which

enables them to easily identify and gather interdisciplinary senior design projects every semester.

We call this solution as “INDUSTRY PARTNER DATABASE”

Now, let's talk about the Core Values of this project.

Core Values

When we started thinking about this project, our first goal is to identify the foundation for this project or the core values of the project or requirements of the project.

We thought deeply and found three important core values.

They are :

Adaptability

It is the case that there are already several databases running on the university's server.

Since, we are creating a database for the university, it is very important to make sure our database is compatible with the university's technology standards.

Sustainability

We want this database to be utilized by the future generations.

Therefore, we decided to develop a simple training module that teaches newcomers about our database.

Expandability

Change is the law of the universe.

Things change with time.

We want our project to be open for further developments or extensions in the future like adding new features support for new departments.

These are the core values of our project.
The values shape every decision we take.

Next, I would like to share about my research and contributions.

ORDER :

Sailesh

- To tell you more about the **technologies we use for our project,**
- I would like to hand it over to PRIYANKA

Priyanka

- To tell you more about the **how the project works,**
- I would like to hand it over to SUBASH

Subash

- To tell you more about **the software development life cycle model we are using for project,**
- I would like to hand it over to SHIVA

Shiva

- To tell you about **the legal and ethical issues related to the project,**
- I would like to hand it over to WARYAM

Waryam

Technologies :

The technologies which we are using for our project are :

For the Front End or the website, we are using HTML 5, CSS 3, and JavaScript

For the Back End or the server, we are using php 7.4

For the Database, we will use MySQL

Now, I would like to explain more these technologies.

HTML 5 or Hyper Text Markup Language 5

is used to determine or control the structure of the webpage.

It makes the webpage.

— —

is a programming language which we will use to code or create a basic webpage.

It is the backbone of the webpage.

CSS 3 or Cascading Style Sheets 3

is used to determine or control the look of the webpage.

It makes the webpage beautiful.

Javascript or JS

is used to determine or control the functions of the webpage.

It makes the webpage dynamic.