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# FUNCTIONAL SPECIFICATION -- TRICALIDEE --

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2019-2020

IT and Electrical Engineering

## Summary:

I.	Introduction :	2
II.	Team members:	2
III.	Goals to achieve :	3
III.1.	Create the basic functions:	3
III.2.	Special Features / Additional Features:	3
IV.	Softwares used for the project:	4
V.	Team members' tasks:	4

## II. Introduction :

Every student goes to Google for new project ideas, be it the final step of graduating out of a college or just to improve understanding of the subject in their leisure time. Well, we think that we might have solved their problem.

**Tricalidee** is a site which allows such students to browse through the projects submitted, download material, and also avoid the pitfalls their predecessor fell into while doing the respective project.:

## III. Team members:

The project will be done by the following students:

Name	Immatriculation Numbers
NASSABI Kanza	776063
PASSI Aishwarya	96040
RALHAN Omkar	775963
PENKLAGAR Manvith	775906

## IV. Goals to achieve:

We should be able to create new articles once we sign up and login to the blog as well as viewing other authors' posts.

For more details, we are listing the basic functions and additional features we will provide below:

### IV.1. Basic functions:

1. Article Overview Page: The initial page will open and give an overview of all the existing projects on the blog.
2. User login: This will allow the users to unlock additional features in the blog like, commenting on article, checking the history of the articles they have gone through in case they want to look back on it, and so on.
3. Creating Comments: All users, after logging in would be able to comment on others' articles/projects.
4. Database Connection: All non-volatile data like project content and user information should be stored in database backend.
5. Upload articles: Authors will be able to create articles (project) online by entering the blog and modify their own articles.

### IV.2. Special Features / Additional Features:

1. Password Reset: There will be a password reset feature so that if the author forgets the user credentials he/she can reset it by email verification.
2. View Later: Users will be able to mark a project so that they can read about it later without having to search for the project in the overview page again.
3. History: Users will be able to view all the projects read in the past and distinguish between read and unread projects by their title colors.
4. Following the author: Users will be able to follow an Author if they are interested in that author's work, which will make them updated about their new posted projects.

## V. Software's used for the project:

For this project, we will use Python as a programming language.

For the web framework, we will use Django as a tool to develop our project.

For the database, we will use SQLite, TBD.

For the client services, we will use HTML, CSS, Javascript.

## VI. Team members' tasks:

**Database** will be taken over by **NASSABI Kanza**.

**Frontend and Foundation** will be taken over by **PASSI Aishwarya**.

**Backend and Testing** will be taken over by **PENKLAGAR Manvith**.

**Login / Security and Database** will be taken over by **RALHAN Omkar**.