iNeuron

Tuber Synopsis

Title: Tubers

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1. Title: Tubers (Web Application) for XYZ fictitious organisation

2. About the Problem:

"XYZ Pvt Ltd" is an Edtech organisation with the vision of providing courses at an affordable price. Initially "XYZ Pvt td" started providing professional training in the field of Artificial intelligence and Data Science, with trending demands of other technologies such as blockchain, a full stack web development organisation needed the most skillful and well known trainee professional in appropriate technology so that "XYZ" can provide professional training across all demanding technology.

To hire and engage highly skilled trainee professionals "XYZ" came up with an innovative idea to collaborate with famous tech youtuber in specific technology. Now, "XYZ" needs a dedicated platform where youtuber and even students can engage and communicate with each other.

3. The primary reason to choose this particular topic:

To facilitate professionals training in trending technology "XYZ" has on boarded many educational youtuber to bring revolutionary improvements . Tubers platform helps "XYZ" management team to engage youtubers and students can connect with their favourite youtuber.

4. The main objective of the project:

Project is designed to facilitate a community platform for students to engage with tech youtubers and connect with them virtually over emails and video calls.

5. Scope of the Project:

Tubers platform should provide all necessary functionality to hire tech youtubers and show youtubers detail to all students. Platform should also provide functionality for students to connect with youtubers by submitting their contact details.

6. Working Methodology:

Tubers will be a web application design using MVC framework. The Model-View-Controller (MVC) is an architectural pattern that separates an application into three main logical components: the model, the view, and the controller. Each of these components are built to handle specific development aspects of an application. To build our application we will be using the python Django framework.

7. Details about the Hardware & Software used:

- Processors: Any two or higher core processor including Intel® Core™ i5 @2.60GHz, new-gen Xeon® processor @2.30 GHz or AMD Ryzen 5 CPUs running at higher frequency
- RAM: 4GB of system memory from any decent manufacturer
- Disk space: 2-3GB of SEAGATE Hard Drive
- Operating System: Windows 10 Official, Mac OS 10.12.6 (and up), or Linux/Ubuntu 16.10+
- Software: Python, Pycharm or Visual Studio Code, Google Chrome.

8. Listing out the Testing Technologies:

- Unit Testing: Testing individual pieces of software code to ensure that code is flawless.
- Blackbox testing: Testing outcomes without worrying about internal implementation.
- Integration Testing: Integrating all individual pieces of software code as whole and testing whether it is working as per expectation.
- System Testing: System testing is testing conducted on a complete integrated system to evaluate the system's compliance with its specified requirements.
- Stress Testing: Stress testing is the process of determining the ability of a computer, network, program or device to maintain a certain level of effectiveness under unfavourable conditions.

9. Limitations of the system proposed:

Tubers system does not provide video conferencing facilities so live events cannot be broadcasted using this platform. Chat systems can be implemented or some community forums can be built to post some relevant information about technology.

10.   Specifying the contribution that the project would make

Tubers allow millions of software engineers and engineering students to collaborate and engage and learn from each other and courses offered by "XYZ" can help them to enhance their skill so that they can contribute to build better software.

11.   Future enhancement:

Integration of video conferencing software such as team, skype, google meet and zoom. Community forums can be designed to get the latest update with upcoming courses and products.

12.   Conclusion:

As per our analysis we have concluded that software needs to be designed and it can help "XYZ" management team to manage tech youtuber and even student's will be benefited with the same by connecting with their favourite mentor or tech youtubers.