

# Analysis of Virtual positions Management development Supporting Technology for initial Results of the Semester of Code

Vimal Kumar Stephen<sup>1</sup>, K, V. Mathivanan<sup>2</sup>

<sup>1</sup>Department of Information Technology, AMET University, Chennai, India

<sup>2</sup>Department of Computer Science, ARM college of Engineering and Technology, Chennai, India

## Abstract

*This paper clarifies the Virtual Alliances for Learning Society (VALS) Project technological method to deal with bolster a virtual positions management development. Likewise, this paper demonstrates the first results of the viable piece of the venture, the Semester of Code, clarifying the recognized issues, the issues, the difficulties and a few activities to enhance the advancement of this sort of virtual positions programs. With a specific end goal to enable the readers to better understand the approach and its outcomes, the composition likewise portrays three of the principle virtual positions programs far and wide, in regards to both their association and innovative approach.*

**Keywords:** *Virtual Alliances for Learning Society (VALS), Virtual positions Management development, Semester of Code*

**Copyright © 2017 Institute of Advanced Engineering and Science. All rights reserved.**

## 1. Introduction

Programs that advance the accomplishment of Higher Education virtual positions at a universal level are expanding [1]. The likelihood of lessening the physical separation, monetary inspirations or a more prominent proportion for finding work in a worldwide setting are huge boosts for understudies, ventures, instructive organizations (for the most part colleges) and directors [2]. They see this sort of procedures as an intriguing chance to accomplish temporary positions or encourage encounters with the genuine qualified proficient situations that give a huge come back to understudies regarding educational programs, future business openings, and expert improvement or, on account of organizations, the ideal chance to build the odds of accomplishing their destinations of employability and occupation arrangement, likewise enabling them to expand their worldwide nearness at various levels (developmental, employability, institutional, and so forth.) [3]. This pattern in virtual situations administration in worldwide partnerships is more typical in the Computer Science setting and in the controls or claims to fame identified with it [4].

With a specific end goal to deal with this sort of virtual positions, because of the present improvement of correspondences and mechanical frameworks, open web stages are generally utilized that make simple the entrance to the data and the work process that backings the position program running [5]. As to these administration frameworks, there is not a typical received reference; there is no framework that stands over the rest or is embraced by the various types of situations that are created globally [6]. Truth be told, every arrangement program utilizes its own product framework (specially appointed created or in view of an outsider's product that at first was not thought to be utilized to play out these administration undertakings) [7].

This article plans to edify the peruser about the present condition of the frameworks that oversee hones in the field of Informatics and Computer Science. To handle that, it indicates instances of existing projects that offer virtual positions for understudies in business or modern situations, introducing cases of how these projects are overseen absolutely essentially or taking after a mixed approach (the arrangement and practices happen in a virtual and physical way). At long last, the paper introduces the approach and arrangements proposed inside the VALS project and its drive, the Semester of Code. Ontology based Semantic Web technologies in

E-learning environment using protégé [8] is for students to learn the lesson in the home itself. The process can be done using adhoc [9] and MANET network.

## 2. Proposed System

The Semester of Code's work process, concentrating the clarification on the key issues that have been produced, the diverse issues confronted and arrangements received amid the primary months of life of this virtual temporary position program.

From a practical and pragmatic perspective, the Semester of Code is established on two principle columns: initial, a procedure and work process, called Open Innovation Process, that detail the practices framework operation, and which has been intended to cover a large portion of the conceivable needs that may emerge to any partner amid the execution of their capacities inside the Semester of Code's procedure. This work process depicts the cooperation between the diverse partners included, the relationship of these with the gateway and the innovation that backings the procedure and the procedure connection with outer partners like the resources staff, the managerial staff of colleges, or the staff of organizations or establishments, and so forth.

Second, various segments and innovation stages that give both logic and practical to the whole procedure, encouraging the selection of the Open Innovation Process to each taking an interest foundation and association and articulating how the procedure ought to be produced adequately in real application settings. These segments and stages are portrayed in detail in the following subsection, including a total case of how they handle the whole procedure of overseeing virtual practices.

Vital principal of the Semester of Code is the prizes framework and its win-win approach that is connected in every single conceivable process included. This prizes framework is made to guarantee that every one of those included in the process get something (substantial or impalpable) identified with the procedure in a characteristic route (i.e., on account of organizations: the likelihood of understudy assistants to take care of a genuine business issue) or extraneously (i.e., solid rewards: the college concur with the understudies a scholarly reward which relies on upon the tenets of the college and the instructive enactment of the nation where practices are produced). This strategy about continually remunerating some way or another exertion made by those included in the practices is the thing that keeps adjust in the program and makes their cooperation beneficial.

The planning of each sort of occasion that may happen amid the Semester of Code: Project proposition periods, periods in which understudies can propose the thoughts for illuminating activities, choice times of recommendations to be created by the mechanical tutors, and so forth.

The activities every client can perform: enrolling diverse profiles, inviting coaches by organizations, inviting scholastic managers and understudies by colleges, proposing thoughts for understanding ventures by understudies, and so forth.

The arrangement and agreement prepare on explaining pragmatic, administration forms. These procedures incorporate the administration of periods for venture proposition and understudies race, the survey procedure of the venture thoughts by the academic managers, the endorsement or dismissal of arrangement thoughts proposed by understudies (by the organizations or establishments), the last acknowledgment of the situation done by the understudy, and so forth.

The fundamental warnings related with each procedure, i.e. notices about enrollment techniques, new undertakings production, arrangement recommendations, and procedures of choosing understudies, choices about practices, and so on.

Assess the choice of having the enlistment procedure constantly open, in which the activities would have a predefined timing to be produced, and where understudies would take an interest whenever relying upon their capacities and individual calendar.

As a last rundown of the primary pilots understanding inside the Semester of Code, it is conceivable to affirm that the human part in these activities is basic, and it is essential that these projects discover approaches to associate with the best possible target group of onlookers in each conceivable partner that can be included to make progress.

### 3. Conclusion

This paper talks about the innovative proposition of the VALS extend and the Semester of Code program to bolster the way toward overseeing virtual positions in organizations identified with the Open Source advancement. Other than giving a clarification of the innovation that backings this practices program, this paper demonstrates the preparatory aftereffects of the principal period of pilot trial of the program, displaying the fundamental issues, the negative and positive angles found and a few moves that ought to be made by the venture accomplices to enhance the procedure and its outcomes.

### References

- [1] García Peñalvo FJ. Entrepreneurial and problem solving skills in software engineers. 2015.
- [2] Vriens M, Van Petegem W, Op de Beeck I. *Enhancing international work placements through virtual mobility: The EU-VIP project*. In 18th EDINEB Conference from Innovation to Crème de la Crème Education. 2011; 90-96.
- [3] García de Figuerola C, Merlo JA, García-Peñalvo FJ. *Open knowledge: Challenges and facts*. Online Information Review. 2010: 520-539.
- [4] Craig M, Reid K, Stroulia E, Holmes R. *Lessons learned managing distributed software engineering courses*. Companion Proceedings of the 36th IC on Software Engineering. 2014; 321-324.
- [5] Lundblad H, Einarson D. DEMOLA. *The upcoming win-win relationship between university and industry*. In 10th International CDIO Conference, Barcelona. 2014.
- [6] Kilamo, Terhi, et al. Applying open source practices and principles in open innovation: The case of the demola platform. IFIP IC on Open Source Systems. 2011.
- [7] Hentz V, Colbert K, Burdea G, Popescu V. Virtual reality-based orthopedic telerehabilitation. *IEEE Transactions on Rehabilitation Engineering*. 2000.
- [8] Manickasankari N, Arivazhagan D, Vennila G. Ontology based Semantic Web technologies in E-learning environment using protege. *Indian Journal of Science and Technology*. 2014; 7(S6): 64-67.
- [9] Arivazhagan D, Helen D. Optimal Scheduling Based On Instance Niche For Channel Assignment In Ad-Hoc Network.