

Academic Skills and Team-based

Learning (4CI018)

 Report Writing

FuseMachines

Student Id : NP03CS4S210030

Group : L4CG6

Student Name : Abhinav Niraula

Lecturer : Mr. Sangay Lama

Submitted on : 16th April. 2022 Word Count : 1590

**Executive Summary**

The University of Wolverhampton is a famous university in the United Kingdom. The university offers advanced degrees in a variety of subjects, as well as a differentiated education technique. The organization, FuseMachines, is an AI solutions firm located in the United States that concentrates on liberalizing AI. Universities in Nepal and The U.K. are significantly different. Universities across the United Kingdom offer practical education. This enables learners to cooperate effectively in the workplace. Wolverhampton alumni appear to be a natural fit for FuseMachines. The university's pupils get the relevant experience and skill to operate in every firm. The learners possess a unique skill set which allows them to contribute to the company's economic growth.

**Table of Contents**

[1. Introduction 1](#_Toc9552)

[1.1 Background 1](#_Toc9553)

[1.2 University of Wolverhampton 1](#_Toc9554)

[1.3 Herald College Kathmandu 1](#_Toc9555)

[1.4 FuseMachines 2](#_Toc9556)

[2. Body 4](#_Toc9557)

[2.1 Universities in the U.K. and in Nepal 4](#_Toc9558)

[2.2 Curriculum of University of Wolverhampton 4](#_Toc9559)

[2.3 Curriculum Distribution (HCK) 5](#_Toc9560)

[2.3 FuseMachines 6](#_Toc9561)

[2.4 Why Wolverhampton Learners 7](#_Toc9562)

[3. Conclusion 9](#_Toc9563)

[4. References 10](#_Toc9564)

**Table of Figures**

Figure 1 : Logo of University of Wolverhampton ------------------------------------------------- 1

Figure 2: Logo of Herald College Kathmandu ----------------------------------------------------- 2

Figure 3: Curriculum Classification for BSc. (Hons.) Computer Science ------------------ 6

# 1. Introduction

## 1.1 Background

This report might help both the organization and the graduates in locating one another. It will assist the enterprise in its search for a professional and competent team. This will benefit learners in finding employment that are appropriate for their degree and expertise. This document was compiled for FuseMachines' Human Resource Department to assist them in selecting eligible applicants for their graduate program.

## 1.2 University of Wolverhampton

### Figure 1 : Logo of University of Wolverhampton

The University of Wolverhampton has its origins in the inception of Mechanics Institutes in the 19th century, which offered practical and broad instruction to working men. The Wolverhampton Free Library was also developed to provide technical, scientific, commercial and general classes. (University of Wolverhampton, 2022). It has been offering higher qualification in a number of institutions around the globe.

## 1.3 Herald College Kathmandu

### Figure 2: Logo of Herald College Kathmandu

Herald College Kathmandu is among the University of Wolverhampton's associated institutions. It is among Nepal's premier academic institutions, offering British education at a reasonable cost. Considering effort, aptitude and knowledge, Herald College Kathmandu organizes a competition every year where students are awarded with scholarships to participate in 15-Day Summer-Camp organized at the University of Wolverhampton, UK. (Herald College Kathmandu, 2021).

## 1.4 FuseMachines

As Sameer Maskey, the CEO of FuseMachines and a Colombian University graduate, arrived to Nepal 6 years prior. He recruited 3 individuals from Kathmandu institutions who could handle a mathematical formula (Nepali Times, 2017). FuseMachines Nepal was established on the backs of those three students. FuseMachines is a global institution dedicated to empowering A.I. & creating innovative Ai applications. It has its primary headquarters in New York, but also has functioning in the Dominican Republic, Canada, and Nepal. FuseMachines helps organizations identify opportunities where AI can be best utilized to transform and grow their business. (TOPIO Networks, 2022). They develop cutting-edge AI results that benefit millions around the world. Their primary goal is to provide vulnerable communities with AI instruction, goods, and employment. They've been teaching AI in rural areas of Nepal and the Dominican Republic. FuseMachines was launched to educate Nepali experts in diverse AI technologies, as per Dr. Maskey, the firm's CEO and founder. He further stated that the company's developers have created a number of powerful AI technologies worthy to compete in the international arena. Dr. Maskey has meanwhile introduced a one-lakh fellowship for Nepali undergraduates wanting to study A.I. The FuseMachines AI Fellowship Program is targeting computer science and IT students or young professionals with basic knowledge on natural language processing, machine learning and big data. (THE KATHMANDU POST, 2017)

# 2. Body

## 2.1 Universities in the U.K. and in Nepal

Among the most significant distinctions between Nepalese and UK universities is the length of time it consumes to take courses. In the United Kingdom, an undergrad education in science normally takes 3 years to complete, however in Nepal, an undergraduate degree in science requires four years to finish. Traditionally, university courses in Nepal required three years to exhaust, but beginning 2012 AD, the program has been altered to a four-year curriculum (Tribhuwan University, 2022). Several of the world's most prestigious colleges are located in the United Kingdom, and they generate alumni who really can remain competitive in the global trade. For over a decade, Nepalese universities have educated in the same method. The decade-old method emphasizes on the conceptual portion of schooling rather than practical training. Universities across the United Kingdom offer a one-of-a-kind instructional procedure known as the LTW methodology. This approach aims at producing alumni who really are job-ready and competent of dealing with real-world issues. If you possess a first degree, the UK also allows you to accomplish your master's degree in a year (Bachelors). Similarly, if a pupil has obtained their first degree (Bachelors), they can choose to immediately begin a Doctoral program. The UK education system is worldwide reputed for its high quality and standards. (Study in UK, 2022). In Nepal, however, obtaining a master's degree requires at least 2 years.

## 2.2 Curriculum of University of Wolverhampton

Numerous streams of the University of Wolverhampton provide a wide variety of degrees. Faculty of Science and Engineering, Faculty of Arts, Business, and Social Sciences, and Faculty of Education, Health, and Wellbeing are the three faculties that constitute the university. There really are numerous divisions within the Faculty of Science and Engineering. Among them is the School of Mathematics and Computer Science, which offers students various degrees in the fields of Computer Science and Information Technology. BSc (Hons) Computer Science, BSc (Hons) Computing, BSc (Hons) Computer Networking, and BSc (Hons) International Business Management are among the programs available. Honors in Computer Science and International Business Management are indeed the two programs offered at Herald College Kathmandu.

## 2.3 Curriculum Distribution (HCK)

***Figure 3: Curriculum Classification for BSc. (Hons.) Computer Science***

A.I. is indeed the emphasis of the modules in this associate's studies. Several of the modules in this program equip graduates with important computer science expertise in addition to AI. The first semester aids in the development of a stable platform in all areas of computer science. The 2nd semester goes through the fundamentals of internet architecture and embedded systems programming in greater depth. Computational Mathematics is a foundation for studying Artificial Intelligence. Students study about AI concepts and techniques in the second year. They study object-oriented programming and its application in collaborative development. Numerical approaches and concurrency are also covered by students. They also gain new skills distributed and cloud systems. The students study about machine learning and big data in their last year. Entrepreneurship and Professionalism is the last of the year's modules. This subject teaches children how and where to build a professional assignment. This course provides students the expertise they'll need to get a job after graduation. All of the modules are designed to provide practical knowledge that may be applied in real-life situations. This BIT in computing course provides an excellent stepping stone to allow you to move directly into a career in Computing. (Herald College Kathmandu, 2022)

## 2.3 FuseMachines

FuseMachines does have worldwide presence. Engineers and data analysts are recruited across the world by them. As per estimate, the United States would require roughly 200,000 data analysts during the next five years, with the majority of them originating from nations other than the United States. ( (Awale, 2020)). To suit their expectations, FuseMachines has dispatched engineers to different nations. FuseMachines' developers are extremely competent, and they are currently developing on a technology that can recognize Nepali handwriting and translate it to English. This Optical Character Recognition (OCR) system would be the first in Nepal. FuseMachines offers a variety of options for young and outstanding learners in Nepal.

Following are the job opening listed for Nepali graduates:

* Data Engineer
* DevOps Engineer
* Python Developer
* QA Engineer
* Software Engineer (Back End)
* Software Engineer – Mobile (Flutter Developer)
* Sr. Software Engineer (JavaScript)
* UI/UX Designer

## 2.4 Why Wolverhampton Learners

All of the jobs listed above are eligible for Wolverhampton grads. The alumni of Wolverhampton are a natural fit since both FuseMachines and the undergrad degree are centered on Artificial Intelligence. The pupils are not only competent at problem solving and coming up with creative ideas, but they are also well-versed in teamwork skills. They also possess the necessary set of skills for all of the current workplace openings. Because Wolverhampton grads are made to work on a year-long venture in their final year, this can be used as expertise for any startup employment. FuseMachines' major goal is to make AI more accessible to the general public. Graduates are well-suited in this regard since they are adept at delivering any issue to a large audience. FuseMachines is indeed looking for grads who can manage and interpret vast volumes of data. Because of their expertise in big data, Wolverhampton graduates might be a valuable asset to the firm if employed. Wolverhampton grads has all of the necessary qualifications for all of FuseMachines' current open positions.

The area of Artificial Intelligence is blooming right now, and grad will be qualified for any AI-related potential employee.

# 3. Conclusion

Bachelors are well-suited in this respect because they are adept at delivering any issue to a large audience. FuseMachines is indeed looking for grads who can manage and interpret vast volumes of data. Because of their expertise in big data, Wolverhampton graduates might be a valuable asset to the firm if employed. Wolverhampton grads has all of the necessary qualifications for all of FuseMachines' current open positions. The area of Artificial Intelligence is blooming right now, and grad will be qualified for any AI-related potential employee.

# 4. References

Awale, S., 2020. Bringing Silicon Valley To The Kathmandu Valley. *SOUTH ASIA TIMES*, 17 May, p. 25.

Herald College Kathmandu, 2021. *About Us - Herald College Kathmandu.* [Online]

Available at: https://heraldcollege.edu.np/about-herald/

[Accessed 15 April 2022].

Herald College Kathmandu, 2022. *BIT in Nepal, Kathmandu - Herald college*

*Kathmandu.* [Online]

Available at: https://heraldcollege.edu.np/bachelors-in-computer-science/ [Accessed 14 April 2022].

Nepali Times, 2017. Democratizing AI by Empowering Nepalese Professionals Through Impactful AI Training. *Nepali Times*, 10 June.

Study in UK, 2022. *UK Education System Guide.* [Online]

Available at: https://www.studying-in-uk.org/uk-education-system-guide/ [Accessed 12 April 2022].

THE KATHMANDU POST, 2017. Fusemachines Nepal announces AI fellowship. *The Kathmandu Post*, 30 January.

TOPIO Networks, 2022. *Company Fusemachines News, Employees and Funding*

*Information, New York, NY.* [Online]

Available at: https://www.topionetworks.com/companies/fusemachines- 553f68d0b6a9b6dc550019ad [Accessed 4 April 2022].

Tribhuwan University, 2022. *TU - IOST.* [Online]

Available at: https://www.tuiost.edu.np/programs

[Accessed 14 April 2022].

University of Wolverhampton, 2022. *Our History.* [Online]

Available at: https://www.wlv.ac.uk/about-us/our-history/

[Accessed 4 April 2022].