

STATEMENT OF PURPOSE (SOP)

Full Name of Applicant: Mrs. Manila Bhandari

Date of Submission: 15th May 2024

Dear Sir/Madam,

I am pleased to have this opportunity to apply for Masters program in Digital transformation in health sector in hosted by your esteemed institution and I hereby, along with this letter, express my strong motivation for this course. I graduated in 2018 accomplishing Bachelor's degree in Electrical and Electronics Engineering, and in 2023 I graduated with Masters of Science in Electrical and Electronics Engineering from Pokhara University, Nepal. During my university days, I was mainly working with the computer-based control of the industrial automation systems. Working with the development of customized Supervisory Control and Data Acquisition (SCADA) system for small and medium scale industries and working with the industrial sensors data and operational data became the strong pillars for me, to form a foundation of my perseverance in pursuing deep knowledge in the field of data science and data driven decision making. In addition, I hold the position of project manager at one of the leading IT company in Nepal, from where I am more into exploring the scope of digitization of health sector by the use of advanced technology, and I am involved in different projects. In the meantime, I am leading the software development for one healthcare organization, which is into the digitalization of healthcare services like online appointment booking, online registration for pathology tests where their professionals come and collect the samples from the home and deliver the results digitally and conduct the virtual counselling with the doctors if requested. While working on this project, I got an opportunity to study the importance and challenges of digital transformation in healthcare. I believe obtaining a master's degree in digital transformation in health sector would elevate my academic as well as professional career and enable me to undertake more advanced responsibilities.

Digital transformation significantly benefits healthcare by streamlining processes and improving patient care. Electronic health records and video appointments reduce paperwork, allowing more time for patient interaction. Patients can access records and communicate with doctors through apps, which is especially useful for those in remote areas. Additionally, big data

applications enhance scientific research, speeding up the development of new treatments. Overall, digital transformation improves healthcare accessibility, efficiency, and innovation.

My enrollment at Pokhara University as Master's student appeared as a defining moment in my life. I learned the systematic methodology of the professional research and got an opportunity to appear various scientific conferences and workshops, which helped me to come out with a novel outcome from my work and to publish them into the international journals and conferences. During my graduate research in Pokhara University, I got an opportunity to work in development of machine learning based predictive maintenance system for industrial motors, where I learned the application of data science and decision making through the collected historical data.

After finishing my Masters in Managing Digital Transformation in the Health Sector, I aim to lead digital changes in healthcare. I want to use technology to improve patient care and make healthcare better. Whether in hospitals, tech companies, or consulting firms, I hope to help create innovative solutions for healthcare challenges. I will stay updated on new tech and trends to keep making a difference in healthcare.

Excellent infrastructure, resourceful team support, and experienced industry-oriented faculty/curriculum are what make the difference between success and failure. After doing an intensive amount of research spanning the significant period of time, I've realized that this program has everything that I can ever expect as a graduate student wanting not only to do great but phenomenal in the field of digitization of healthcare industry. I am confident of living up to the expectations and maintaining high standards expected from a graduate student. I believe that my educational and research background has instilled in me the qualities required to meet the rigor of this demanding course and subsequently, the profession. I hope this statement supports my application and demonstrates the enthusiastic, disciplined and hardworking student with a keen interest who would enjoy contributing to all aspects of university life. If I can get an opportunity to be a part of the intellectually stimulating environment, I am sure my abilities will put to optimal use.