

## **Precision Medicine Lab and IMSciences have launched a new Master's program in Data Science and Biomedicine.**

**Peshawar, June 14, 2024** – Precision Medicine Lab, a joint venture of RMI and CECOS University, have signed an agreement with IMSciences Peshawar on June 13, 2024, to launch a unique master's program focused on data sciences in the biomedical sector, marking a new dawn in higher education in Pakistan. The Precision Medicine Lab venture is funded by HEC (Higher education commission) that falls under the National Centre for Big Data and Cloud Computing.

### **A Historic Collaboration**

The agreement was signed by Dr. Faisal Khan, Principal Investigator and Director of the Precision Medicine Lab, and Prof. Dr. Usman Ghani, Director of the prestigious Institute of Management Sciences, Peshawar. The ceremony was also graced by Shafique Ur Rehman, CEO of Rehman Medical Institute, and Prof. Dr. Naseer Ahmed, Vice Chancellor of CECOS University. "This dynamic partnership is poised to harness the combined strengths of these institutions, nurturing future leaders in biomedicine and data science, and catapulting Pakistan onto the global stage of healthcare innovation," said Prof. Naseer Ahmed.

### **A Vision for the Future**

Prof. Dr. Usman Ghani expressed his excitement about the collaboration, saying, "This is a unique program where we are combining the applied and the theoretical. The Precision Medicine Lab is a prestigious laboratory in the country, and they have been working tirelessly to develop novel datasets and capabilities which will be instrumental in training the next generation of leaders in this space."

Explaining the importance of this partnership, Dr. Faisal Khan said, "This partnership is an exciting embodiment of industry and academia coming together. The Lab works on real-world problems, like oral and breast cancer, in a clinical setting. On the other hand, we have the finest higher education institution offering top-class degree programs in data science. This is a match made in heaven where real-world problems are met with academic excellence," he said.

"Our students will be in for an exciting interdisciplinary journey where they join hands with peers from medicine, biotechnology, and computer sciences to solve some of our most pressing problems under the supervision of the best professors in their fields," added Dr. Faisal Khan.

"This is an exciting and much-needed program in an area where not much has been done so far. This program is set to cover the cutting edge of technology, located right between biomedicine and computer sciences. I am very optimistic about the prospects for graduates," said Shafique Ur Rehman, CEO of Rehman Medical Institute.

### **A New Era in Education and Research**

The master's in data science (biomedicine) program is meticulously designed to equip students with the expertise to harness the power of data science in biomedicine. Starting with a deep core in statistics, machine learning, and deep learning, the degree courses cover a diverse array of topics such as genomics and multiomics, systems medicine, biodesign, and the popular course in technology entrepreneurship. This program will not only impart highly relevant skills to aspiring data scientists but also significantly advance the field of biomedicine in Pakistan.

### **A Platform for National Leadership**

The partnership between the Precision Medicine Lab and IMSciences is far more than an academic agreement. It is a strategic alliance that sets the stage for Pakistan to become a global leader in healthcare innovation, especially in an age where AI surrounds us all. This collaboration will serve as a foundation for fostering a community of highly skilled talent, including students, researchers, and innovators, aimed at advancing research in biology and medicine and ultimately enhancing patient outcomes.