

First Step into the World of Robotics

Dipesh Bhattarai

PUR081BME014

Today marked the beginning of my journey into the fascinating world of robotics through the *Technomorph Training Program* organized by the Robotics Club of IOE Purwanchal Campus. I would like to express my heartfelt gratitude to the club for providing me with this valuable opportunity to learn, explore, and grow in such a dynamic and ever-evolving field.

Being the first day, the session mainly focused on giving us a foundational understanding of how robots work, their diverse applications across various fields, and their growing importance in everyday life. Prior to attending this training, my perception of robots was mostly limited to humanoid machines I had seen in movies—like *Sophia*, *Chitti* from *Robot*, and similar sci-fi characters. However, today's session helped me break that narrow perspective and opened my eyes to the broader scope of robotics.

I learned that robots come in many forms and serve a variety of purposes. They are not confined to just human-like appearances. From drones and robotic arms in industries to military robots, service robots in healthcare, and autonomous vehicles—robots are everywhere, contributing to the world in countless ways.

Another major takeaway from today's session was the importance of **documentation** in robotics and other technical or research-oriented fields. Good documentation not only helps in keeping track of your progress but also plays a crucial role in collaborating with others and sharing knowledge. We were introduced to tools like **LaTeX**, which is especially useful for writing technical documents, reports, and research papers in a clean and professional format.

Additionally, we were introduced to platforms like **Git** and **GitHub**. These are essential tools for version control and collaborative development. I even took the initiative to create my own GitHub account today and started documenting my training experiences there. It feels great to begin building my digital portfolio from day one!

To prepare for the upcoming hands-on sessions, I also installed the **Arduino IDE** on my device. I'm really excited to start working with hardware, sensors, and micro-controllers in the upcoming days. The idea of bringing my own robot to life—piece by piece—is thrilling.

Overall, today was an inspiring and insightful start to what I believe will be a trans-

formative experience. I'm looking forward to learning more, facing new challenges, and collaborating with like-minded peers. I hope the days ahead will be filled with creativity, innovation, and practical knowledge that will shape my understanding and skills in robotics.