

Report on Participation in the DAAD Programme Eastern Partnership 2024

I am a PhD at the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, and I pleased to present this report on my participation in the DAAD Programme Eastern Partnership 2024, where I engaged in a two-month academic and research exchange focused on Data and AI-driven Methods in Engineering. This program provided me with an opportunity to collaborate with German colleagues, participate in high-level academic discussions, and deepen my expertise in AI applications in engineering.

Experience During the Internship

Throughout the program, I attended lectures, workshops, and meetings led by esteemed experts in AI-driven engineering solutions from Leibniz University Hannover. These sessions covered topics such as machine learning for engineering optimization, predictive analytics, intelligent automation, and data-driven decision-making.

A key highlight was my participation in workshops and collaborative research meetings with German colleagues, where we discussed practical applications of AI in engineering fields. These interactions not only enhanced my technical skills but also provided valuable insights into ongoing projects at Leibniz University Hannover.

Impact on My Career

Participation in this program has significantly expanded my expertise in AI-driven engineering methodologies, directly benefiting my teaching and research. I have gained deeper insights into:

- Cutting-edge AI techniques applicable to engineering solutions.
- Best practices in integrating AI into engineering curricula.
- Collaborative research approaches with international scholars.

This experience has also inspired me to initiate new AI-related research projects at my home institution and integrate modern AI methodologies into my coursework, ensuring that my students receive the latest knowledge in this rapidly evolving field.

Adaptation to the Academic Community

The program provided an excellent platform to establish connections with German researchers and fellow participants from other institutions. Through academic networking and collaborative discussions, I was able to exchange knowledge, compare research methodologies, and explore potential future collaborations.

Moreover, my exposure to the German academic system has helped me gain a broader perspective on interdisciplinary approaches to engineering education and AI applications. I intend to apply these insights to further enhance my own teaching and research strategies.

5. Overall Impressions of the Program

The DAAD Programme Eastern Partnership exceeded my expectations in every aspect. The program was:

- Well-structured and comprehensive, covering both fundamental and advanced AI-driven engineering methods.
- Highly interactive, allowing participants to engage in discussions and practical exercises.
- Culturally enriching, as it fostered international collaboration and knowledge exchange.

The experience of working with highly skilled professionals and learning in a stimulating academic environment has been truly transformative for my career.

6. Acknowledgment to DAAD

I would like to express my deepest gratitude to DAAD for providing me with this invaluable opportunity. The financial and organizational support enabled me to participate fully in this program, expanding my knowledge and network. I am particularly grateful for the efforts of the program coordinators, faculty, and fellow participants, who made this experience both academically rewarding and personally enriching.

7. Future Directions

As a result of this program, I plan to:

- Incorporate AI-driven engineering methods into my teaching curriculum.
- Initiate joint research projects with colleagues from Germany and other participating institutions.
- Promote international collaborations between my university and DAAD-affiliated institutions.

8. Conclusion

The DAAD Programme Eastern Partnership 2024 has been a pivotal experience in my academic journey. The knowledge, skills, and connections I gained will have a lasting impact on my career, my students, and my institution. I highly recommend this program to other academics seeking to advance their expertise in AI-driven engineering and international collaboration.

Once again, I sincerely thank DAAD for this extraordinary opportunity, and I look forward to future engagements and contributions to this academic partnership.