GADRI Membership Application Form

Institute Logo in jpg format	
Name of Institute:	University of Peradeniya
Address:	University of Peradeniya, Peradeniya 20400, Sri Lanka
Telephone No:	+94(0)81-239 2300
Contact:	Prof.W.M.T. Madhujith
Title:	Vice Chancellor
Contact Person E-mail:	vcoffice@gs.pdn.ac.lk
Institute web address:	www.pdn.ac.lk

Institute webpage URL: www.pdn.ac.lk

Institute Outline: The University of Peradeniya, established in 1942, is Sri Lanka's premier academic and research institution, renowned for academic excellence and research contributions across diverse disciplines. Spanning a scenic 700-hectare campus near Kandy, it comprises nine faculties, four postgraduate institutes, and 86 departments, fostering innovation and interdisciplinary studies. The university's active involvement in disaster risk reduction research aligns with the Sendai Framework for Disaster Risk Reduction 2015–2030, bridging research gaps and implementing real-world solutions to promote sustainable development.

Research Interests (areas of research disciplines, number of faculty members, etc.):
The university engages in a wide range of disciplines, supported by 890 dedicated academic staff members across its faculties. Key areas include:

- **Engineering:** Electrical, civil, mechanical, and computer engineering.
- **Sciences:** Physics, chemistry, biology, environmental science, and geology.
- **Agriculture:** Agricultural technology, food science, and sustainable farming practices.
- **Medical Sciences:** Medicine, dental sciences, veterinary science, and allied health sciences.

- **Arts and Humanities:** Literature, sociology, cultural studies, and history.

Specific disaster-related projects include the "Technology Intervention and Policy Impact for Disaster Risk Reduction" in Sri Lanka's Nilwala River Basin and the Erasmus+ CBHE "UN4DRR" project for capacity building and collaborative research in disaster resilience.

A brief description of Research Achievements and Challenges:

Achievements:

- Impactful projects like "Technology Intervention and Policy Impact for Disaster Risk Reduction" in Nilwala River Basin.
- Participation in the Erasmus+ CBHE "UN4DRR" project.
- Advancements in engineering, agriculture, environmental sciences, and health sciences.

Challenges:

- Sustaining funding for large-scale research projects.
- Accessing advanced technology and fostering global collaborations.
- Translating research outcomes into scalable, practical solutions tailored to socio-economic contexts.

Comparative advantage/contribution to GADRI Activities:

The university's multidisciplinary expertise contributes significantly to disaster risk reduction by:

- Developing advanced technologies like AI, IoT, and blockchain for disaster management.
- Leveraging expertise in diverse fields including medicine, law, and engineering for holistic disaster solutions.
- Active participation in global networks to enhance collaborative research and share best practices.

Expected Outputs/Results:

- Foster global research collaborations.

- Develop and apply innovative technologies for disaster management.

- Create inclusive, multidisciplinary disaster risk solutions.

- Strengthen capacity building through knowledge exchange and training.

- ☐ Implement research findings to address real-world disaster challenges effectively.