Certificate of Participation- 4th Annual Nepal AI School (ANAIS), 2023

This is to certify that **Nabin Adhikari** attended the 10-day Fourth Annual Nepal AI School (ANAIS) 2023 organized by NepAI Applied Mathematics and Informatics Institute for research (NAAMll) at Pathshala Nepal Foundation, Kathmandu, Nepal on May 22 – June 1, 2023.

The 10-day (55 hrs lectures + 18 hrs lab sessions + 14hrs Project and Professional development sessions) AI School covered the following topics:

Day 1: Introductory Session, Geometric Deep Learning: A Unified View of Deep Learning, Probability and Statistics, Machine Learning (ML) and Neural Network(NN)s, Hackathon Introduction, ML Lab session.

Day 2: ML Foundations, Linear Algebra, NNs Foundations & Training, Session on Software Design and Development, NNs Lab session.

Day 3: Transformers for Graph and Geometric Deep Learning, Transformers in Vision, Transformers Applications, Networking Session, Lab session in Transformers.

Day 4: Natural Language Processing (NLP) Foundations, NLP Applications, Machine Translation - Foundations & State of the Art, Session on Building Business from Idea, Lab session on Sentiment Analysis.

Day 5: Learning by Augmentation and Generation , Self-supervision & Active Learning, Trustworthy AI, Session on Presenting Your Ideas, Lab session on Active Learning & Augmentation.

Day 6: Multi-Modal AI, Trustworthy AI, Visual Place Localisation, Session on Human Centre Design, Lab session on Visual Localisation.

Day 7: Geometric Deep Learning, Geometric Deep Learning: Examples on Brain Surfaces, AI and Non-Traditional Data for Social Good, Session on Incubator and Accelerator, Lab session on Graph Neural Networks (GNN).

Day 8: AI for Robotics, Visual AI, Research at NAAMII, Messy tables: the remaining frontier of ML, Lab session on Visual Odometry and Visual SLAM.

Day 9: Computer Vision, Panel Discussion: Future of AI in Low-resource Context, Low-resource AI, Lab Session on Federated Learning.

Day 10: Responsible AI in Large Language Models, Ethics AI , Networking Session, Project Presentation, Hackathon Presentation and Closing.

Speakers

Mr. Abhinav Joshi (IIT Kanpur)
Dr. Ashutosh Modi (IIT Kanpur)
Prof. CV Jawahar (IIIT Hyderabad)
Dr. Debdoot Sheet (IIT Kharagpur)
Dr. Ferda Ofli (QCRI, Qatar)
Dr. Gaël Varoquaux (Inria, France)
Dr. Herve Lombaert (ETS Montreal)
Dr. Jwala Dhamala (Amazon Alexa NLU)
Prof. Michael Bronstein (Uni. of Oxford)
Dr. Nripesh Parajuli (Caption Health)
Ms. Shreyasha Paudel (Uni. of Toronto)
Dr. Suman Raj Bista (NAAMII, Nepal)
Mr. Suman Sapkota (NAAMII, Nepal)

Dr. Andrew King (King's College London)
Dr. Binod Bhattarai (Uni. of Aberdeen/ NAAMII)
Mr. Federico Barbero (Uni. of Oxford)
Dr. François Rameau (SUNY, South Korea)
Dr. Hae-Gon Jeon (GIST, South Korea)
Mr. Jacob Bamberger (Uni of Oxford)
Dr. Kris Sankaran (UW-Madison)
Mr. Nikola Popovic (ETH Zürich)
Prof. Pushpak Bhattacharyya (IIT Bombay)
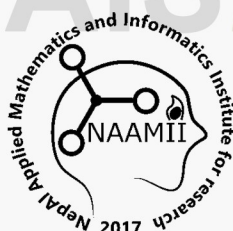Mr. Vijay Prakash Dwivedi (NTU, Singapore)

Prof. Angela Yao (NUS, Singapore)
Dr. Bishesh Khanal (NAAMII, Nepal
Dr. Danda Pani Paudel (ETH Zürich/ NAAMII)

Professional Development Sessions

Mr. Aman Shrestha (UNDP Nepal)
Mr. Bijayan Bhattarai (Diyo.AI)
Mr. Kaushal Wagle (King's College Nepal)
Ms. Kithmini Missanka (Citra Lab)
Mr. Nirdesh Dwa (Veda App)
Mr. Santosh Pandey (Offering Happiness)
Mr. Udgum Khadka (King's College Nepal)

Yours Sincerely,

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Dr. Danda Pani Paudel
Program co-chair (Academic)

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Dr. Suman Raj Bista
General Chair

Website: https://www.4nepalschool.naamii.org.np/

Email: nepalaischool@naamii.org.np