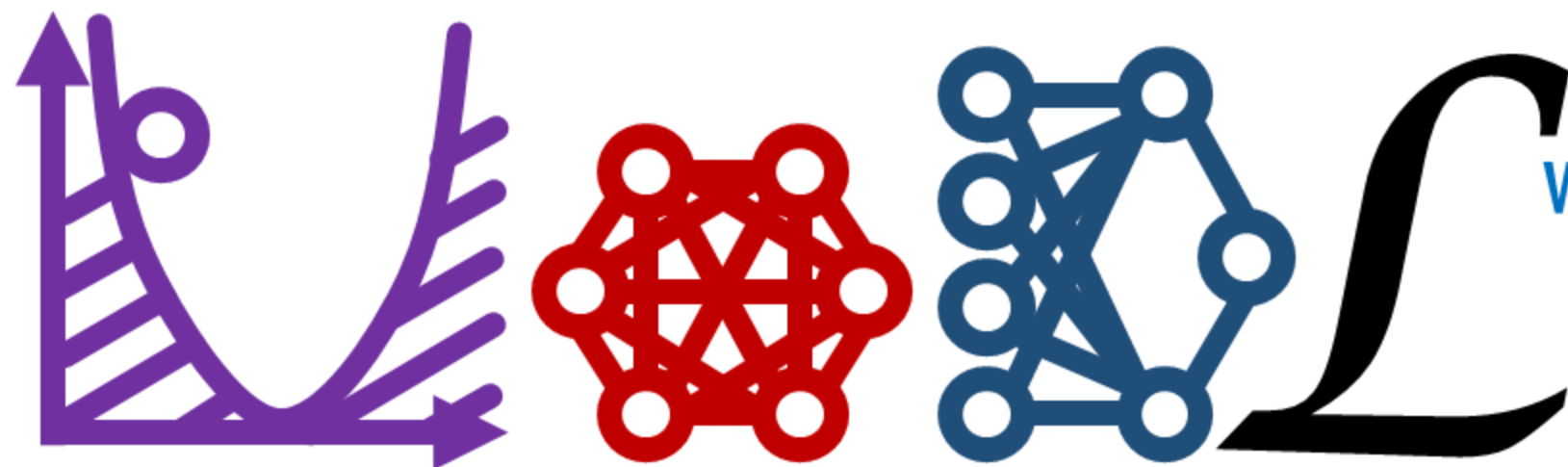


Indian Institute of Technology Kharagpur Centre of Excellence in



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Mathematics of Deep Learning

TEQIP-FDP / Advanced School
19-23 February 2020, Kolkata

Mathematical perspectives and objectives of deep learning Optimization and solvers

Linear algebra, probability and information theory Guaranteeing learnability

Adversarial and multitask learning Reasoning and explainability

Numeric precision of computations Data privacy preserving Federated learning



Debdoot Sheet

Multitask Learning, Tensor
Computation, Federated Learning



Swanand R. Khare

Tensor Analysis,
Multilinear Algebra



Abir Das

Explainable AI, Optimization and
Solvers, Reinforcement Learning



Buddhananda Banerjee

Probability and Statistics,
Information Theory