MegaData: Federated Learning 2024 Schedule

Date	Time/session	Topic
Monday, July 29		Welcome meetings to MegaData: Federated
	MS*	Learning
		Machine Learning Recap
	a Outub	- ML Lifecycle
	AS**	Prepare Dataset and apply traditional ML & DL
Tuesday, July 20		Compare to deep learning. Deta Britanian Bartelation
Tuesday, July 30		 Data Privacy and Data Protection Regulation (e.g., GDPR)
	MS	(e.g., GDFN)Introduction to Federated Machine learning
		(Why FL).
	40	Simulating a vanilla FL
	AS	 Apply FedAVG algorithm
Wednesday, July		Guest Talk by Salman Toor (Scaleout,
31	MS	Sweden)
	110	 Introduction to FL with FEDn framework
	۸۵	- FEDn practice session
	AS	 Frameworks installation, configuration, and setup of FEDn.
Thursday, 1		- Guest Talk by Daniel Beutel (UK)
August	MS	Introduction to FL with FLOWER framework
		Guest Talk by Pan Heng (FLOWER, UK)
		FLOWER practice session
	AS	Frameworks installation, configuration, and
		setup of FLOWER.
Friday, 2 August		- Guest Talk by Javier: FLLM with FLOWER
	MS	- Guest Talk by Afsana Khan (Netherlands):
		Vertical Federated Learning
	AS	Project announcement
Manday F Assess		- & Team forming
Monday, 5 August	MC	Guest session: Samaneh Mohammadi Balanaing privacy and parformance in Elementary
	MS	Balancing privacy and performance in FL Student presentation 1
		Student presentation 1 Guest session: Samaneh Mohammadi
		(Sweden)
	AS	Encryption in Federated Learning
		Guest session: Hiroki Kaminaga
		 Multi-party computations for FL security
Tuesday, 6 August		Guest session: Jiang, Xiaowen (Germany)
	MS	 Federated Learning Optimization
	113	 Guest session: Mehreen Tahir (Ireland)
		 Federated Learning Client Selection

	AS	 Guest session on HFL by Shaleeza Sohail (Australia) Hirarical Federated Learning Student presentation 2
Wednesday, 7 August	MS	- Student presentation 3
		 Student presentation 4
	AS	 Guest session: FL optimization by Mohamed Elmahallawy in LEO Satellite Networks (USA) Team working on projects. Feedback from monitors
Thursday, 8 August	All day	Team working on projects. Preparing posters and demos
Friday, 9 August	09:00 – 11:00	Participant's projects and final presentations
	11:30 – 13:00	
	14:30 – 16:30	

MS*: Morning Session
AS**: Afternoon Session