3D Vision Summer School (3DVSS) 2024 Tentative Plan

DAY	TIME	PROGRAM
Day 1 Sun (26/05)		**Background of 2D**
	9:00 AM - 09:30 AM	Registration
	9:30 AM - 10:45 AM	Intro to Image Processing
	11:00 AM -12:30 PM	Primer on Camera Modeling
	2:00PM - 3:00 PM	Primer on 2D Deep Learning
	3:00PM - 5:30 PM	Hands on Session (CNN)
Day 2 Mon (27/05)		**Basics of 3D**
	9:00 AM - 10:15 AM	Inaugurals + Keynote Talk by Prof. PJN, IIITH
	10:30 AM - 11:30 AM	3D Sensing and Representation
	11:30 AM - 12:45 PM	Intro to Geometry Processing I
	2:00PM - 3:00 PM	Intro to Geometry Processing II
	3:00PM - 5:30 PM	Hands on Session (Open3D/Trimesh/Meshlab)
Day 3 Tue (28/05)		**Deep Learning on 3D Representation**
	9:00 AM - 10:15 AM	Intro to Deep Volumetric & Point Cloud Learning
	10:30 AM - 11:45 AM	Intro to Deep Learning on Meshes
	11:45 AM - 12:45 PM	Intro to Deep Learning on Implicit Surfaces
	2:00PM - 3:00 PM	Expert Lecture by Prof. Rajan, IIITH
	3:00PM - 5:30 PM	Hands on Session (PointNet, MeshCNN)
Day 4 Wed (29/05)		**3D Human Modelling**
	9:00 AM - 10:15 AM	3D Human Body/ Pose Estimation from Images/Videos
	10:30 AM - 11:30 AM	Clothed 3D Human Reconstruction
	11:30 AM - 12:30 AM	Talk by Dr. Ramya, TCS Research
	12:30 AM - 01:25 PM	Expert Lecture by Dr. Stefanie Wuhrer, INRIA
	2:30PM - 4:30 PM	Hands on Session (Parametric Model Regression, Clothed Reconstruction)
	4:30PM - 5:00 PM	Tea Break
	5:00PM - 6:00 PM	Expert Lecture by Dr. Shunsuke Saito, Meta
Day 5 Thu (30/05)		**3D Rendering**
	9:00 AM - 10:15 AM	Intro to Rendering
	10:30 AM - 11:45 AM	Expert Lecture by Dr. Manmohan Chandraker, NEC Lab
	11:45 AM - 12:45 PM	Intro to NeRF
	2:00PM - 4:30 PM	Hands on session (NeRF)
	4:30PM - 5:30 PM	Expert Lecture by Bernhard Kerbl, TU Wien / CMU
Day 6 Fri (31/05)		**Animation**
	9:00 AM - 10:15 AM	Intro to 3D Animation
	10:30 AM - 11:45 AM	Industry/Sponsor Talks Session
	11:45 AM - 12:45 PM	Young Researcher Session
	2:00PM - 3:00 PM	Expert Lecture by Dr. Vlad, MPII
	3:00PM – 5:00 PM	Hands on Session
	5:00PM – 6:00 PM	Expert Lecture by Dr. Karan Singh, Toronto

		GenerativeAI
Day 7 Sat (01/06)	9:00 AM - 10:15 AM	Intro to 2D Diffusion Models
	10:30 AM - 11:45 AM	Intro to 3D Diffusion Model
	11:45 AM - 12:45 PM	Intro to Text-3D Generation
	2:00PM - 3:00 PM	Startup Session
	3:00PM - 5:00 PM	Hands on Session
	5:00 PM	Valedictory Session