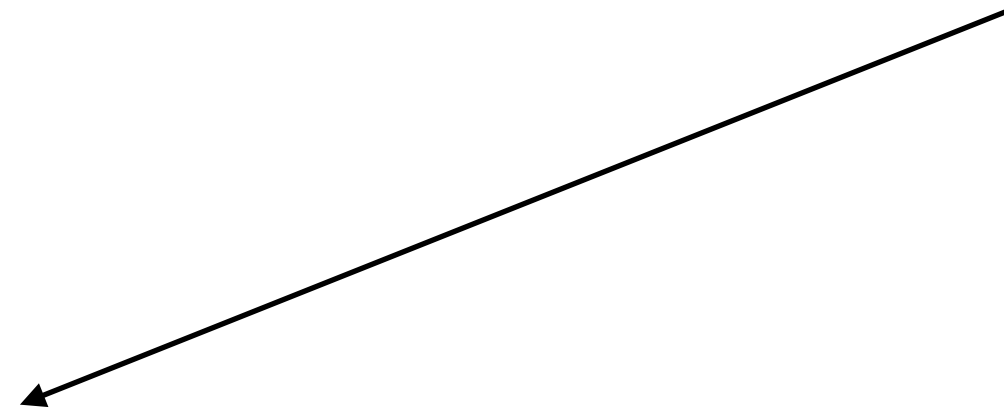
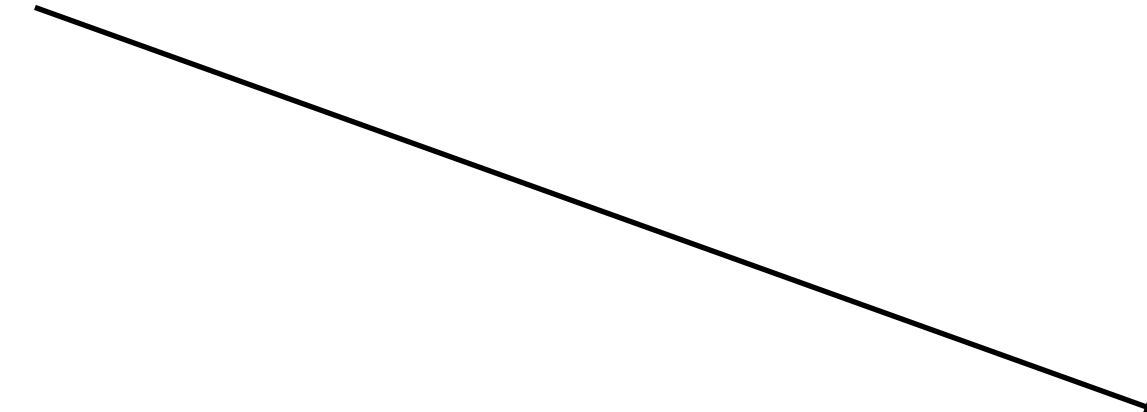


SPCRC

Signals with Structure



Design/Synthesize



Extract/Analyze

Signal Processing

(Santosh)

Physical Layer
Communications

(Praful, Sachin, Ubaidulla)

Information and Coding Theory

(Lalitha, Prasad, Arti)

Area (Faculty)

Subarea

Application

Signal Processing
(Santosh)

Learning Sparse Signals
Graph Signal Processing

Locating Sources
Pandemic Data
Analysis and Inference

Area (Faculty)	Subarea	Application
Communications (Physical Layer) (Praful, Sachin, Ubaidulla)	Cellular	UAVs
	MIMO Wireless	Satellite Communications
	Queueing Theory	Cognitive Radio
		IoT
		Age of Information

Area (Faculty)	Subarea	Application
Information and Coding Theory For Communication and Storage (Lalitha, Prasad, Arti)	Cache-Aided Communications	Capacity Achieving ECC for 5G and beyond
	Privacy and Security	Content Delivery Systems
	Modern Codes for Modern Channels/Storage Systems	DNA Data Storage and Retrieval
		Block Chains
		Distributed Storage

<https://spcrc.iiit.ac.in/faculty.html>