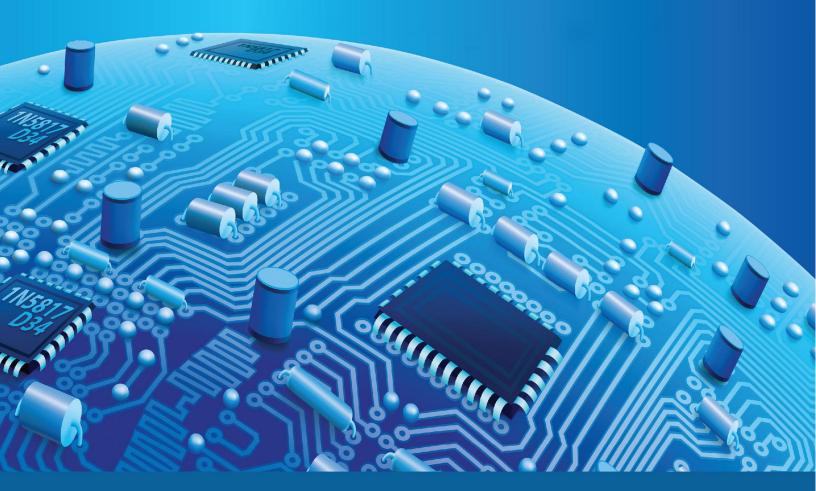


COMMUNICATION PROJECT TITLE 2017 - 2018



MATLAB COMMUNICATION TITLES 2017-2018

0	RTHOGO	ONAL FREQUENCY-DIVISION MULTIPLEXING(OF	FDM)
S.NO	PROJEC PROJECT TITLES		
	T CODE		2017
1	ITCM01	New PTS Schemes For PAPR Reduction Of OFDM Signals	
		Without Side Information	
2	ITCM02	Design Space-Time Trellis Coded Inter-Carrier Interference	2017
		Parallel Cancellation Architectures for OFDM Systems	
3	ITCM03	Full Duplex Delay Diversity Relay Transmission Using Bit-	2017
		Interleaved Coded OFDM	
4	ITCM04	Pilot Optimization For Estimation Of High-Mobility OFDM	2017
		Channels	
5	ITCM05	Electromagnetic Emission-aware Scheduling for the Uplink	2017
		of Multi-cell OFDM Wireless Systems	
7	ITCM06	OFDM receiver for fast time-varying channels using block-	
		sparse Bayesian learning	
6	ITCM07	Beam forming OFDM Performance under Joint Phase Noise	2016
		and I/Q Imbalance	
8	ITCM08	Low-Complexity Modem Design for GFDM	
		COGNITIVE RADIO NETWORK(CRN)	
S.NO	PROJEC	PROJECT TITLES	YEAR
	T CODE		
1	ITCM09	Optimal Eigenvalue Weighting Detection for Multi-Antenna	2017
		Cognitive Radio Networks	
2	ITCM10	On Secure Underlay MIMO Cognitive Radio Networks with	2017
		Energy Harvesting and Transmit Antenna Selection	

3	ITCM11	Secure Communication in OFDMA Based Cognitive Radio	2017		
		Networks: An Incentivized Secondary Network Coexistence			
		Approach			
4	ITCM12	Design of Cooperative Non-Orthogonal Multicast Cognitive			
		Multiple Access for 5G Systems: User Scheduling and			
		Performance Analysis			
5	ITCM13	Spectrum Sensor Employing Continuous Pilot Tones in			
		Cognitive Radio Systems			
6	ITCM14	Antenna Selection For Dual-Hop Cognitive Radio Networks:			
		A Multiple-Relay Scenario			
7	ITCM15	Interference Efficiency: A New Metric to Analyze the	2017		
		Performance of Cognitive Radio Networks			
0	ITCM16		2017		
8	ITCM16	Sniffer Channel Assignment with Imperfect Monitoring for	2016		
		Cognitive Radio Networks			
9	ITCM17	Low Complexity Energy Detection for Spectrum Sensing	2016		
		with Random Arrivals of Primary Users			
10	ITCM18	Outage Performance of Cognitive Relay Networks with	2016		
		Wireless Information and Power Transfer			
	N	MUTIPLE INPUT MUTIPLE OUTPUT(MIMO)			
S.NO	PROJEC		YEAR		
	T CODE	PROJECT TITLES			
1	ITCM19	Precoding for MIMO Channels in Cognitive Radio Networks	2017		
		With CSI Uncertainties and for Compound Capacity			
2		A Scalable Framework for CSI Feedback in FDD Massive	2017		
	ITCM20	MIMO via DL Path Aligning			
3	ITCM21	Scalable Source Transmission with Unequal Frequency	2017		
3	ITCM21	Scalable Source Transmission with Unequal Frequency Reuse in MIMO Cellular Networks	2017		

4	ITCM22	Dynamic User Grouping and Joint Resource Allocation with Multi-Cell Cooperation for Uplink Virtual MIMO Systems			
5	ITCM23	New Beamforming Designs for Joint Spatial Division and Multiplexing in Large-Scale MISO Multi-user Systems	nd 2017		
6	ITCM24	BER Analysis for Spatial Modulation in Multicast MIMO Systems	2016		
7	ITCM25	Performance Analysis of Dual-Hop MIMO AF Relaying Network with Multiple Interferences	2016		
8	ITCM26	Performance Evaluation of Best Path Selection in a Multi- Hop Decode-and-Forward Cooperative System	2016		
9	ITCM27	New Results on Transceiver Design for Two-hop Amplify- and-forward MIMO Relay Systems with Direct Link	2016		
		OPTICAL COMMUNICATION			
S.NO	PROJEC T CODE	PROJECT TITLES			
1	ITCM28	Optical MIMO-OFDM with Generalized LED Index Modulation	2017		
2	ITCM29	PAPR Reduction for Hybrid ACO-OFDM Aided IM/DD Optical Wireless Vehicular Communications	2017		
3	ITCM30	Performance of Wireless Optical Communication In S- Distributed Turbulence	2016		

RELAY-COMMUNICATION				
S.NO	S.NO PROJECT TITLES			
	T CODE			
1	ITCM31	Energy Efficiency Maximization Precoding Design for	2017	
		SWIPT in MIMO Two-Way Relay Networks		
2	ITCM32	Joint Transceiver Design for Secure Downlink	2017	
		Communications over an Amplify-and-Forward MIMO		
		Relay		
3	ITCM33	A Near BER-Optimal Decoding Algorithm for Convolutional	2017	
		Coded Relay Channels with the Decode-and-Forward		
		Protocol		
		SATELLITE COMMUNICATION		
1	ITCM34	A Novel Beam forming and Combining Scheme for Two-	2016	
		Way AF Satellite Systems		
2	ITCM35	Channel Estimation and Detection in Satellite	2016	
		Communication Systems		