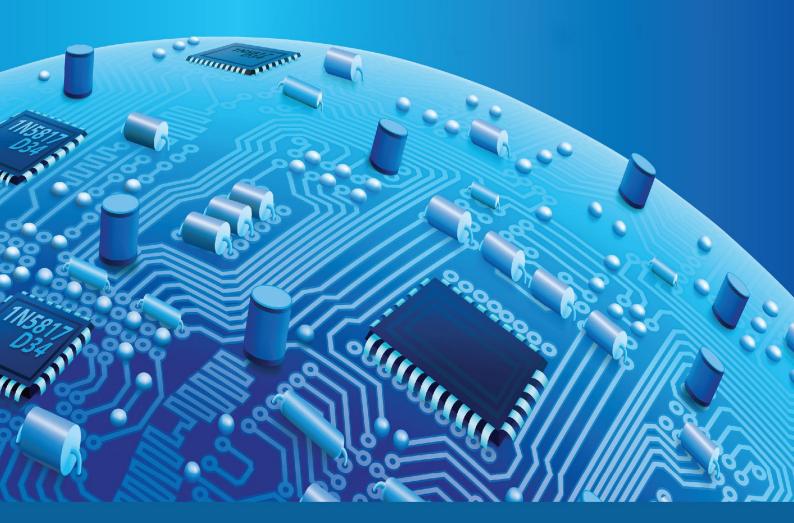


# COMMUNICATION PROJECT TITLE 2016 - 2017





#### **MATLAB - COMMUNICATION** ORTHOGONAL FREQUENCY-DIVISION MULTIPLEXING(OFDM) S.NO **PROJECT PROJECT TITLES** YEAR CODE 1 OFDM Signal Processing in Offset-QAM Based Filter Bank 2016 ITCM01 Multicarrier Systems 2 ITCM02 Beamforming OFDM Performance under Joint Phase Noise and 2016 I/O Imbalance 2016 3 ITCM03 Secure Communication in OFDMA Based Cognitive Radio Networks: An Incentivized Secondary Network Coexistence Approach ITCM04 2016 4 OFDM receiver for fast time-varying channels using block-sparse Bayesian learning 2016 ITCM05 Low-Complexity Modem Design for GFDM 5 ITCM06 7 Generalization of orthogonal frequency division multiplexing with 2015 index modulation 2015 ITCM07 PAPR analysis of class-iii SLM scheme based on variance 6 Of correlation of alternative OFDM signal sequences 2015 ITCM08 Performance of reconfigurable antennas in a below-decks 8 environment COGNITIVE RADIO NETWORK(CRN) S.NO **PROJECT** YEAR **PROJECT TITLES CODE** ITCM09 Outage Performance of Cognitive Relay Networks with Wireless 2016 1

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Information and Power Transfer

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_	ITCM10		2016
2	ITCM10	Dynamic Spectrum Leasing for Bi-DirectionalCommunication:	2016
		Impact of Selfishness	
3	ITCM11	Sniffer Channel Assignment with ImperfectMonitoring for	2016
		Cognitive Radio Networks	
4	ITCM12	Low Complexity Energy Detection for SpectrumSensing with	2016
		Random Arrivals of Primary Users	
5	ITCM13	Improving Physical Layer Security for CRNs Using SINR-Based	2016
		Cooperative Beamforming	
6	ITCM14	Relay-selection improves the security-reliability trade-off in	2015
		cognitive radio systems	
7	ITCM15	On signal detection in the presence of weakly correlated noise	
		over fading channels	2014
		, ,	
		MUTIPLE INPUT MUTIPLE OUTPUT(MIMO)	
1	ITCM16	Performance Analysis of Dual-Hop MIMO AF Relaying Network	2016
		with Multiple Interferences	
2		BER Analysis for Spatial Modulation in Multicast MIMO Systems	
	ITCM17		2016
3	ITCM18	Performance Evaluation of Best Path Selection in a Multi-Hop	2016
		Decode-and-Forward Cooperative System	
3	ITCM19	New Results on Transceiver Design for Two-hopAmplify-and-	2016
		forward MIMO Relay Systems withDirect Link	
4	ITCM20	Energy-Efficient Hybrid Analog and DigitalPrecoding for	2016
		MmWave MIMO Systems with LargeAntenna Arrays	
5	ITCM21	MIMO-OTH Radar: Signal Model for Arbitrary Placement and	2015
		Signals With Non-Point Targets	

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ITCM22	Linear pre coding for MIMO with LDPC coding and reduced	2015
	complexity	
ITCM 422		2015
TTCM23		2015
	MIMO x channel	
ITCM24	Low Cost Pre-Coder Design for MIMOAF Two-Way Relay Channel	2015
	WIRELESS OPTICAL COMMUNICATION	
		YEAR
PROJECT	PROJECT TITLES	
CODE		
ITCM25	On the Capacity of the Intensity-Modulation Direct-Detection	2016
	Optical Broadcast Channel	
ITCM26	Impact of Inter-Relay Cooperation on the Performance of FSO	2016
	Systems with any Number of Relays	
ITCM27	Performance of Wireless Optical Communication In S-Distributed	2016
	Turbulence	
	SATELLITE COMMUNICATION	
PROJECT	PROJECT TITLES	YEAR
CODE		
ITCM28	Two-Way Satellite Relaying with Estimated Channel Gains	2016
ITCM29	A Novel Beamforming and Combining Scheme for Two-Way AF	2016
	Satellite Systems	
ITCM30	Channel Estimation and Detection in SatelliteCommunication Systems	2016
	ITCM23  ITCM24  PROJECT CODE ITCM25  ITCM27  PROJECT CODE ITCM27	Complexity  ITCM23 On the Sum-rate the Gaussian MIMO Z channel and the Gaussian MIMO x channel  ITCM24 Low Cost Pre-Coder Design for MIMOAF Two-Way Relay Channel  WIRELESS OPTICAL COMMUNICATION  PROJECT CODE  ITCM25 On the Capacity of the Intensity-Modulation Direct-Detection Optical Broadcast Channel  ITCM26 Impact of Inter-Relay Cooperation on the Performance of FSO Systems with any Number of Relays  ITCM27 Performance of Wireless Optical Communication In S-Distributed Turbulence  SATELLITE COMMUNICATION  PROJECT CODE  ITCM28 Two-Way Satellite Relaying with Estimated Channel Gains  ITCM29 A Novel Beamforming and Combining Scheme for Two-Way AF Satellite Systems

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#### **Education Partners:**















# **Technologies and Domain used:**

IEEE 2016, Java, J2ee, Android, Dot net, PHP, Embedded, Vlsi, Matlab, VB, Net working, Data Mining, Image Processing, Cloud Computing, Mobile Computing, Multimedia, Network Security, Soft Engg, Grid Computing, Automation, Robotics, Communication, RF, Zigbee, Blue tooth, GSM/GPS/G-PRS, Power Electronics & Systems, Electrical, DSP, RTOS, Bio metrics, etc.

#### **Features**

- Latest 2016 IEEE, Science Direct, ACM based project concept and solutions.
- State of the art infrastructure, Innovative Project training methods.
- All our efforts are focused on students to meet industry requirements.
- Our environment is encapsulated with doctorates, professionals and other experts.
- Excellent Placements through our **Spiro HR Management Consultants (SMC) Pvt Ltd.**

#### **Branches:**

#### **SALEM**

5/5, Meyyanoor Bye-pass Road, (Near New Bus Stand, way to ARRS Mulitiplex) Salem - 636 009.

Mobile: 9176 615 615, 9176 613 613 Email: salem@spiroprojects.com

#### **VELLORE**

#257, Sapthagiri Complex, 2nd Floor Katapadi Main Road, Vellore - 632 007 (Opp. Reliance Pertol Bunk)

Mobile: 9176 620 620

Email: vellore@spiroprojects.com

### **NAMAKKAL**

89/1, Preethi Towers, Paramathi Road, Namakkal - 01. (Opp. Kanna Super Market)

Mobile: 9962 514 514

Email: nkl@spiroprojects.com

# **COIMBATORE**

#93, 1st Floor, Nehru Street,

(Opp. to Senthil Kumaran Theaters) Ram Nagar, Coimbatore - 641 009

Mobile: 9176 648 648

Email: cbe@spiroprojects.com

## **THIRUVANATHAPURAM**

#8, Kohinoor Flats, T.C. 25/2714, Lukes Lane, Ambujavialsom Road Pulimoodu, Thiruvananthapuram

Mobile: 9176 512 512 Phone: 0471 - 4067831

Email: tvm@spiroprojects.com

## **PONDICHERRY**

(Behind KFC)

20, 1st Floor, 2nd Cross, Natesan Nagar, Pondicherry - 05. (Indra Gandhi Square)

Mobile: 9176 694 694.

Email: pondy@spiroprojects.com

## **TIRUNELVELI**

991/1A3, 2nd Floor,

M.G.Raaj Trade Park, South bye bass road,

Nellai-627005. (Near New Bus Stand)

Mobile: 9176 617 617

Email: nellai@spiroprojects.com

## For ECE, EEE, E&I, E&C & Mechanical, Civil, Bio-Medical

#1, C.V.R Complex, Singaravelu St, T.Nagar, Chennai -600 017,(Behind BIG BAZAAR)

Mobile: 9962 067 067, 9176 499 499, Landline: 044-4264 1213

Email:info@spiroprojects.com, Website: www.spiroprojects.com, FB:www.facebook.com/spiroprojects For IT, CSE, MSC, MCA, BSC(CS)B.COM(cs)

#78, 3rd Floor, Usman Road, T.Nagar, Chennai-17. (Upstair Hotel Saravana Bhavan)

Mobile: 9791 044 044, 9176 644 044, E-Mail: info1@spiroprojects.com.Website: www.spiroprojects.com