



JP INFOTECH

SOFTWARE DEVELOPMENT & RESEARCH DIVISION

www.jpinfotech.org

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2016 - 2017 MATLAB COMMUNICATION SYSTEMS IEEE FINAL YEAR Projects @ JP INFOTECH

S.NO	Project Code	IEEE 2016-17 MATLAB Project Titles	Domain/Sub-Domain	Lang/Year
1	JPCS1601	Performance of Low-Complexity Uniform Power Loading OFDM Systems With Reduced Feedback Over Rayleigh Fading Channels	WIRELESS COMMUNICATIONS	2016/MATLAB
2	JPCS1602	Impact of Inter-Relay Co-Operation on the Performance of FSO Systems With Any Number of Relays	WIRELESS COMMUNICATIONS	2016/MATLAB
3	JPCS1603	The Ergodic Rate Density of Slotted and Unslotted CSMA Ad-Hoc Networks	WIRELESS COMMUNICATIONS	2016/MATLAB
4	JPCS1604	Self-Sustainable Communications with RF Energy Harvesting: Ginibre Point Process Modeling and Analysis	WIRELESS COMMUNICATIONS	2016/MATLAB
5	JPCS1605	Queue-Aware Energy-Efficient Joint Remote Radio Head Activation and Beamforming in Cloud Radio Access Networks	WIRELESS COMMUNICATIONS	2016/MATLAB
6	JPCS1606	Analysis of Downlink Connectivity Models in a Heterogeneous Cellular Network via Stochastic Geometry	WIRELESS COMMUNICATIONS	2016/MATLAB
7	JPCS1607	A Simple Recursively Computable Lower Bound on the Noncoherent Capacity of Highly Underspread Fading Channels	WIRELESS COMMUNICATIONS	2016/MATLAB
8	JPCS1608	A New Cyclic-Prefix Based Algorithm for Blind CFO Estimation in OFDM Systems	WIRELESS COMMUNICATIONS	2016/MATLAB
9	JPCS1609	Energy-Efficient Uplink Multiuser MIMO	WIRELESS COMMUNICATIONS	2016/MATLAB
10	JPCS1610	Performance Characterization of Relay-Assisted Wireless Optical CDMA Networks in Turbulent Underwater Channel	OPTICAL	2016/MATLAB



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11	JPCS 1611	A General MIMO Framework for NOMA Downlink and Uplink	WIRELESS COMMUNICATIONS	2016/MATLAB
12	JPCS 1612	Achievable Rates of Secure Transmission in Gaussian MISO Channel with Imperfect Main Channel Estimation	WIRELESS COMMUNICATIONS	2016/MATLAB
13	JPCS 1613	A Comparison of MIMO Techniques in Downlink Millimeter Wave Cellular Networks with Hybrid Beamforming	NETWORKING	2016/MATLAB
14	JPCS1614	Network Selection and Channel Allocation for Spectrum Sharing in 5G Heterogeneous Networks	NETWORKING	2016/MATLAB
15	JPCS1615	A Scheduling Algorithm for MIMO DoF Allocation in Multi-hop Networks	MOBILE COMPUTING	2016/MATLAB
16	JPCS1616	Secure Broadcasting with Imperfect Channel State Information at the Transmitter	WIRELESS COMMUNICATIONS	2016/MATLAB
17	JPCS1617	General Stochastic Channel Model and Performance Evaluation for Underwater Wireless Optical Links	WIRELESS COMMUNICATIONS	2016/MATLAB
18	JPCS1618	Achieving High Energy Efficiency and Physical-Layer Security in AF Relaying	WIRELESS COMMUNICATIONS	2016/MATLAB
19	JPCS1619	A Batch-based MAC Design with Simultaneous Assignment Decisions for Improved Throughput in Guard-band-constrained Cognitive Networks	NETWORKING	2016/MATLAB
20	JPCS1620	Impact of Antenna Correlation on the BER Performance of a Cognitive Radio Network with Alamouti STBC	WIRELESS COMMUNICATIONS	2016/MATLAB
21	JPCS1621	Efficient Tracking Area Management Framework for 5G Networks	WIRELESS COMMUNICATIONS	2016/MATLAB
22	JPCS1622	Location Verification Systems under Spatially Correlated Shadowing	WIRELESS COMMUNICATIONS	2016/MATLAB



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23	JPCS1623	An Efficient Bayesian PAPR Reduction Method for OFDM-Based Massive MIMO Systems	WIRELESS COMMUNICATIONS	2016/MATLAB
24	JPCS1624	Coupled Detection and Estimation based Censored Spectrum Sharing in Cognitive Radio Networks	WIRELESS COMMUNICATIONS	2016/MATLAB
25	JPCS1625	Joint Resource Allocation and Relay Selection in LTE-Advanced Network using Hybrid Cooperative Relaying and Network Coding	WIRELESS COMMUNICATIONS	2016/MATLAB
26	JPCS1626	On the Capacity of the Intensity-Modulation Direct-Detection Optical Broadcast Channel	WIRELESS COMMUNICATIONS	2016/MATLAB
27	JPCS1627	Heterogeneous Cellular Network with Energy Harvesting Based D2D Communication	WIRELESS COMMUNICATIONS	2016/MATLAB
28	JPCS1628	Artificial Noise Aided Secrecy Information and Power Transfer in OFDMA Systems	WIRELESS COMMUNICATIONS	2016/MATLAB
29	JPCS1629	Dynamic Clustering and ON/OFF Strategies for Wireless Small Cell Networks	WIRELESS COMMUNICATIONS	2016/MATLAB
30	JPCS1630	Cooperative Multicasting in Renewable Energy Enhanced Relay Networks – Expending More Power to Save Energy	WIRELESS COMMUNICATIONS	2016/MATLAB
31	JPCS1631	Iterative Distributed Minimum Total MSE Approach for Secure Communications in MIMO Interference Channels	NETWORK SECURITY	2016/MATLAB
32	JPCS1632	A Novel Coding Scheme for Secure Communications in Distributed RFID Systems	NETWORK SECURITY	2016/MATLAB
33	JPCS1633	A Configurable Energy-Efficient Compressed Sensing Architecture with Its Application on Body Sensor Networks	NETWORKING	2016/MATLAB



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34	JPCS1634	Limited Rate Feedback Scheme for Resource Allocation in Secure Relay-Assisted OFDMA Networks	WIRELESS COMMUNICATIONS	2016/MATLAB
35	JPCS1635	Delay and Power Consumption in LTE/LTE-A DRX Mechanism with Mixed Short and Long Cycles	WIRELESS COMMUNICATIONS	2016/MATLAB
36	JPCS1636	Placement Optimization of Energy and Information Access Points in Wireless Powered Communication Networks	WIRELESS COMMUNICATIONS	2016/MATLAB
37	JPCS1637	Optimum Co-Design for Spectrum Sharing Between Matrix Completion Based MIMO Radars and a MIMO Communication System	WIRELESS COMMUNICATIONS	2016/MATLAB
38	JPCS1638	Narrowband Interference Mitigation in SC-FDMA Using Bayesian Sparse Recovery	WIRELESS COMMUNICATIONS	2016/MATLAB
39	JPCS1639	Joint Power Control and Sub-channel Allocation for Co-Channel OFDMA Femtocells	WIRELESS COMMUNICATIONS	2016/MATLAB
40	JPCS1640	Suppressing Alignment: Joint PAPR and Out-of-Band Power Leakage Reduction for OFDM-Based Systems	NETWORKING	2016/MATLAB

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PROJECT SUPPORT TO REGISTERED STUDENTS:

- 1) IEEE Base paper.
- 2) Abstract Document.
- 3) Future Enhancement (based on Requirement).
- 4) Modified Title / Modified Abstract (based on Requirement).
- 5) Complete Source Code.
- 6) Final Report / Document

(Document consists of basic contents of about Abstract, Bibliography, Conclusion, Implementation, I/P & O/P Design, Introduction, Literature Survey, Organisation Profile, Screen Shots, Software Environment, System Analysis, System Design, System Specification, System Study, System Testing)

(The chapter System Design consists of 5 diagrams: Data Flow, Use Case, Sequence, Class, Activity Diagram)

- 7) Review PPTs and Documents.
- 8) How to Run execution help file.
- 9) MATLAB Software Package (MATLAB, How to install help file).
- 10) International Conference / International Journal Publication based on your project.



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OUR OTHER SALIENT FEATURES:

- Number 1 Project Master in Pondicherry/Puducherry & Chennai.
- Guided more than 20,000 students.
- Successfully conducted more than 20 International Conferences in all over South India from 2013 to 2016.
- For the academic year **2016- 2017**, we have Signed MoU with 15 Engineering Colleges in all over South India to Conduct International Conferences in academic year 2016 – 2017.
- Published more than 2000 Research Articles of Our Ph.D./M.Phil/ME/M.Tech./BE/B.Tech. Students in Leading International Conferences and International Journals from 2013 to 2016.
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 - “V.P.Muthaiah Pillai Meenakshi Ammal Engineering College for Women”



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- “Muthayammal Arts and Science College”
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For any queries Contact:

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Managing Director

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