



JP INFOTECH

2017 - 2018 MATLAB COMMUNICATION SYSTEMS IEEE FINAL YEAR Projects @ JP INFOTECH

S.NO	Project Code	IEEE 2017 MATLAB COMMUNICATION SYSTEM Project Titles	Domain	Lang/Year
1	JPCS1701	A New Analytical Approach to Evaluate the Critical-Event Probability Due to Wireless Communication Errors in Train Control Systems	WIRELESS COMMUNICATIONS	MATLAB/2017
2	JPCS1702	A New Framework of Filter Bank Multi-Carrier: Getting Rid of Subband Orthogonality	COMMUNICATIONS SYSTEM	MATLAB/2017
3	JPCS1703	A Novel Spectrum Sensing for Cognitive Radio Networks with Noise Uncertainty	COGNITIVE RADIO	MATLAB/2017
4	JPCS1704	Application-Aware Resource Allocation of Hybrid Traffic in Cellular Networks	COGNITIVE COMMUNICATIONS	MATLAB/2017
5	JPCS1705	Bayesian Reinforcement Learning-Based Coalition Formation for Distributed Resource Sharing by Device-to-Device Users in Heterogeneous Cellular Networks	WIRELESS COMMUNICATIONS	MATLAB/2017
6	JPCS1706	Comparison of Collision-Free and Contention-Based Radio Access Protocols for the Internet of Things	COMMUNICATIONS SYSTEM	MATLAB/2017
7	JPCS1707	Design of Simultaneous Wireless Information and Power Transfer Scheme for Short Reference DCSK Communication Systems	COMMUNICATIONS SYSTEM	MATLAB/2017
8	JPCS1708	Dynamic Resource Allocation for Immediate and Advance Reservation in Space-Division-Multiplexing-Based Elastic Optical Networks	OPTICAL NETWORKS	MATLAB/2017
9	JPCS1709	Dynamic User Grouping and Joint Resource Allocation with Multi-Cell Cooperation for Uplink Virtual MIMO Systems	WIRELESS COMMUNICATIONS	MATLAB/2017
10	JPCS1710	Energy and Spectral Efficiency of Cellular Networks with Discontinuous Transmission	WIRELESS COMMUNICATIONS	MATLAB/2017
11	JPCS1711	Equal Interference Power Allocation for Efficient Shared Spectrum Resource Scheduling	WIRELESS COMMUNICATIONS	MATLAB/2017
12	JPCS1712	Evolutionary Channel Sharing Algorithm for Heterogeneous Unlicensed Networks	WIRELESS COMMUNICATIONS	MATLAB/2017
13	JPCS1713	Expectation-Maximization-based Channel Estimation for Multiuser MIMO Systems	COMMUNICATIONS SYSTEM	MATLAB/2017
14	JPCS1714	FBMC and LDACS Performance for Future Air to Ground Communication Systems	WIRELESS COMMUNICATIONS	MATLAB/2017

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15	JPCS1715	Generalized 3-D Constellation Design for Spatial Modulation	COMMUNICATIONS SYSTEM	MATLAB/2017
16	JPCS1716	Group Cooperation with Optimal Resource Allocation in Wireless Powered Communication Networks	WIRELESS COMMUNICATIONS	MATLAB/2017
17	JPCS1717	Huffman Coding Based Adaptive Spatial Modulation	WIRELESS COMMUNICATIONS	MATLAB/2017
18	JPCS1718	Joint Rate Control and Scheduling for Real-Time Wireless Networks	WIRELESS COMMUNICATIONS	MATLAB/2017
19	JPCS1719	Joint Spectrum and Energy Efficiency in Device to Device Communication Enabled Wireless Networks	COGNITIVE COMMUNICATIONS	MATLAB/2017
20	JPCS1720	Location Privacy Preservation in Database-driven Wireless Cognitive Networks through Encrypted Probabilistic Data Structures	COGNITIVE COMMUNICATIONS	MATLAB/2017
21	JPCS1721	Multi-antenna Wireless Legitimate Surveillance Systems: Design and Performance Analysis	WIRELESS COMMUNICATIONS	MATLAB/2017
22	JPCS1722	Multicarrier Approaches for High-baudrate Optical-Fiber Transmission Systems with a Single Coherent Receiver	COMMUNICATIONS SYSTEM	MATLAB/2017
23	JPCS1723	Non-linear Distortion Cancellation and Symbol-based Equalization in Satellite Forward Links	WIRELESS COMMUNICATIONS	MATLAB/2017
24	JPCS1724	Non-Orthogonal Random Access (NORA) for 5G Networks	WIRELESS COMMUNICATIONS	MATLAB/2017
25	JPCS1725	Optimal Resource Allocation for Power-Efficient MC-NOMA with Imperfect Channel State Information	COMMUNICATIONS SYSTEM	MATLAB/2017
26	JPCS1726	Parallel and Distributed Resource Allocation with Minimum Traffic Disruption for Network Virtualization	COMMUNICATIONS SYSTEM	MATLAB/2017
27	JPCS1727	Resource Allocation Strategy for Multi-user Cognitive Radio Systems: Location-Aware Spectrum Access	COGNITIVE RADIO	MATLAB/2017
28	JPCS1728	Spectral and Energy Efficiencies in Full-Duplex Wireless Information and Power Transfer	COMMUNICATIONS SYSTEM	MATLAB/2017
29	JPCS1729	Spectral Efficiency and Energy Efficiency Optimization via Mode Selection for Spatial Modulation in MIMO Systems	COMMUNICATIONS SYSTEM	MATLAB/2017
30	JPCS1730	Subband Filtered Multi-carrier Systems for Multi-service Wireless Communications	WIRELESS COMMUNICATIONS	MATLAB/2017
31	JPCS1731	TDMA versus CSMA/CA for wireless multi-hop communications: a	WIRELESS	MATLAB/2017



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		stochastic worst-case delay analysis	COMMUNICATIONS	
32	JPCS1732	The Error Propagation Analysis of the Received Signal Strength-Based Simultaneous Localization and Tracking in Wireless Sensor Networks	WSN	MATLAB/2017
33	JPCS1733	Training Sequence Design for Efficient Channel Estimation in MIMO-FBMC Systems	WIRELESS COMMUNICATIONS	MATLAB/2017
34	JPCS1734	User Association and Resource Allocation Optimization in LTE Cellular Networks	WIRELESS COMMUNICATIONS	MATLAB/2017

More titles will be updated soon. For updated titles and other details visit: www.jpinfotech.org or www.jpinfotech.blogspot.com

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).

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10) International Conference / International Journal Publication based on your project.

OUR OTHER SALIENT FEATURES:

- Number 1 Project Master in Pondicherry/Puducherry & Chennai.
- Guided more than 30,000 students.
- Successfully conducted more than 25 International Conferences in all over South India from 2013 to 2017.
- For the academic year **2017- 2018**, we have Signed MoU with Many Engineering Colleges in all over India to Conduct International Conferences in academic year 2017 – 2018, Where the Registered Students of JP INFOTECH, can easily publish their Project Papers.
- Published more than 3000 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 2017.
- From the year **2013 to 2017**, we are Recognized and Awarded from the following colleges: “Paavai College of Engg”, “Arjun College of Technology”, “K.S.R. College of Engineering”, “Vetri Vinayaha College Of Engineering And Technology”, “SKR Engineering College”, “Sree Sastha Institute of Engineering and Technology”, “Jaya Engineering College”, “V.P.Muthaiah Pillai Meenakshi Ammal Engineering College for Women”, “Muthayammal Arts and Science College”, “Sri Raaja Raajan College of Engineering and Technology”, “Latha Mathavan Engineering College”, “Dr Pauls Engineering College”, “Jain College of Engineering”, “Manakula Vinayagar Institute of Technology”, “CK College of Engineering & Technology” etc.
- Recognized and published article about JP INFOTECH and its director in “THE HINDU”, “DINAKARAN” and many more newspapers and Media.
- Leaders with more than 8+ years of experience

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