



# NARAYANA ENGINEERING COLLEGE

Permanently affiliated to JNTUA Ananthapuram, Approved by AICTE,  
Accorded 'A' grade by Govt. of AP, Recognized by UGC 2(f) & 12(B),  
ISO 9001:2015 certified Institution, Approved with 'A' Grade by NAAC  
Dhurjati Nagar, GUDUR, Andhra Pradesh-524101



## Research and Development Cell

### SCI and Scopus Papers

S.No	Academic Year	Department	Paper Title	Name of the Staff	Journal	Indexed (SCI/Scopus)
1	2019-20	ECE	Design and implementation of power and area optimized AES architecture on FPGA for IoT application",	Dr.P.Rajasekar	Circuit World, ISSN 0305-6120	SCI
2	2018-19	ECE	Implementation of Low Power Null Conventional Logic Function for Configuration Logic Block	Dr.P.Rajasekar	Wireless Personal Communications, Volume 107, Number 04, August 2019, ISN 0929-6212	SCI
3	2019-20	ECE	Wi-Fi Combined Visible Light Communication for Intelligent Transportation System	Dr.P.Rajasekar	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020	Scopus
4	2019-20	FED	Third-order optical nonlinearity of Ce-doped PbS/PEG self-standing nanocomposite films	G. Shanmugam	Journal of Materials Science: Materials in Electronics, ISSN 0957-4522	SCI
5	2019-20	Mech	Evaluation Dual Fuel Engine Fuelled With Hydrogen and	Dr. V. Srinivas Viswanath	International Journal of Recent Technology	Scopus

			Biogas as Secondary Fuel		and Engineering (IJRTE),	
6	2019-20	Mech	Evaluation of Common Rail Direct Injection Engine Performance, and Emission Characteristics by using Cotton seed oil	Dr. V. Srinivas Viswanath	International Journal of Engineering and Advanced Technology,	Scopus
7	2019-20	EEE	A Review on Dynamic Voltage Restorer in power systems concerned to the issues of Power quality	Mr. Bandla Pavan Babu	IOP Conference Series: Material science and Engineering 623	SCI
8	2019-20	CSE	A Research Threshold Efficient Hybrid Encryption Schema for Secure File System	Dr. P Penchalaiah	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-2S3, July 2019	Scopus
9	2019-20	CSE	Reduction of Frequent Itemsets Mining in Big Data with the Help of FP Algorithm and Msegt-Tree	Dr. V Sucharita	International Journal of Innovative Technology and Exploring Engineering (IJITEE)ISSN: 2278-3075, Volume-9 Issue-4, February 2020	Scopus
10	2019-20	CSE/ECE/MECH	An Efficient Multi-User Hierarchical Authenticated Encryption Using Simultaneous Congruence For	Dr. P Penchalaiah, Dr. P. Rajasekar, Dr. V. Srinivas Viswanath	International Journal of Future Generation Communication And Networking, ISSN/eISSN	SCI

			Highly Secure Data		2233-7857/2207-9645, 30 Jun 2020, vol. 13, no.2 , pp. 1-10, 10.33832/ijfg.cn.2020.13.2.01	
11	2019-20	ECE	Wi-Fi Combined Visible Light Communication for Intelligent Transportation System	Dr.P.Rajasekar	International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-3, January 2020	Scopus
12	2019-20	CSE	Machine Learning-Structural Equation Modeling Algorithm: The Moderating role of Loyalty on Customer Retention towards Online Shopping	Dr.P.Penchalai ah	International Journal of Emerging Trends in Engineering Research, Volume 8 No 5, May 2020	Scopus