


Profile

Name of the Faculty	Jagan Mohana Rao Malla	
Designation	Assistant Professor	
Department	ECE	
Area of Interest	Control Systems Engineering	
Subjects Taught	CSE,DSP,AEC	
JNTUH Registration Id	9883-18020-144349	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
	M. Tech	DECS	JNTUH/ GEC(Gudlavalleru)	2003
	B. Tech	Electronics and Communication Engineering	SRKR Engineering College AU	2007
	Polytechnic	DECE	Government Polytechnic Nizamabad	1999
	S.S.C		Board of Secondary Education	1995

Paper Publications:

S. No.	Publication details
1	Siva Ganesh Malla, Priyanka Malla, Jagan Mohana Rao Malla, Ruchira Singla, Pallavi Choudekar, Rajesh Koilada, Manoj Kumar Sahu "Whale optimization algorithm for PV based water pumping system driven by BLDC motor using sliding mode controller" IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022
2	Siva Ganesh Malla, Jagan Mohana Rao Malla, Priyanka Malla, Sreekanth Ramasamy, Satish Kumar Doniparthi, Manoj Kumar Sahu, Pravat Kumar Subudhi, Hilmy Awad" Coordinated power management and control of renewable energy sources based smart grid" International Journal of Emerging Electric Power Systems, 2021
3	M K Sahu, M Biswal, J M R Malla "THD Analysis of a Seven, Nine, and Eleven Level Cascaded H-Bridge Multilevel Inverter for Different Loads", TEHNIČKI GLASNIK, Vol. 14, No. 4, Dec. 2020, PP: 513-522,
4	M K Sahu, M Biswal, R K Jena, J M R Malla "Simulation of Different Levels of Multilevel Inverter using Cascaded H-Bridge for various loads", Test Engineering & Management, Vol. 83, May-June 2020, PP: 7527-7535
5	S. Hota, M. K. Sahu, J. M. R. Malla, " Analysis and Verification of Standalone PV System with P&O MPPT Technique ", Engineering, Technology & Applied Science Research, ETASR, Vol. 7, No. 6, 2017.
6	Jagan Mohana Rao Malla, Manoj Kumar Sahu, P.K.Subudhi, " PV Based Water Pumping System For Agricultural Sector " Journal of Elsevier Materials Today: Proceedings, 2017.
7	J M R Malla, Manoj Kumar Sahu, P.K.Subudhi, " Applications of multilevel inverter in GTO converter based DSTATCOM ", IEEE Conference on ICEEOT, India, 2016, 4936 – 4940.
8	Jagan Mohana Rao Malla, Manoj Kumar Sahu, P.K.Subudhi, " DTC-SVM of Induction motor by applyng two fuzzy logic controllers ", IEEE Conference on ICEEOT, India, 2016, 4941 – 4945.
9.	Jagan Mohana Rao Malla and Siva Ganesh Malla, " Five level parallel inverter for DTC – SVM of induction motor ", WSEAS Transactions on Power Systems, Vol. 5, Issue 4, pp. 273-286, Oct. 2010.
10	S G Malla, M.Hema Lata Rao, J. M. R. Malla, R. R. Sabat, J. Dadi and M M Das,

	"SVM-DTC Permanent magnet synchronous motor driven electric vehicle with bidirectional converter" , IEEE Conference on International Multi-Conference on Automation, Computing, Communication, Control and Compressed Sensing (iMac4s)-2013, pp. 742-747, 22-23 March 2013
11	Jagan Mohana Rao Malla and Siva Ganesh Malla, "Three level diode clamped inverter for DTC-SVM of induction motor" , IEEE Conference on Joint International Conference on Power Electronics, Drives and Energy Systems (PEDES) and Power India, pp. 1-6, 20-23 Dec. 2010.
12	Jagan Mohana Rao Malla, Manthi Mariya Das, "Two Fuzzy Logic Controllers Based DTC-SVM of Induction Motor" , International Journal of Engineering Research & Technology (IJERT), pp 1956- 1969, Vol. 2, Issue 11, November - 2013
13	Jagan Malla, Siva Malla "Novel Controllers For 48 Pulses VSC-SSSC Using 9 Level Converter & a Single Transformer" in IEEE INDICON 2010 Conference at Jadavpur University, Kolkata

Books/Book Chapters Published:

S. No.	Publication details
1	Manoj Kumar Sahu, Chinmayee Sahoo, Jagan Mohana Rao Malla, Siddhartha Behera "Study of Solar MPPT with Multi-level Cascaded Inverter Connected with Pumping System" Book Power Electronics and High Voltage in Smart Grid" publisher Springer, 2022

Experience:

Teaching	15
Industry	
Research	
Total Experience	15

