



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

Details of Faculty Utilizations @ NMDC for the last Five Years

S.NO	Category	Academic Year	Quantity
1.	Paper Publications(10)	2017-18	03
		2016-17	01
		2015-16	01
		2014-15	02
		2013-14	03

S.NO	Category	Academic Year	Quantity
1.	Papers Presented in Conferences/seminars/Symposiums (15)	2017-18	03
		2016-17	01
		2015-16	04
		2014-15	02
		2013-14	05



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List of Faculty Paper Publications @ NMDC (10)

S.No	Title of the paper	Name of the journal , Vol. No., page No., Year	Name of The Author	Academic Year
1.	The Effect of High Voltage Impulses on PVC-Graphite Polymer Thick Film Resistors	Materials Today: Proceedings, ICMPC-2018	Dr. Ram Babu,, Dr. B.Poornaiah Dr T. Satyanarayana	2017-18
2.	Modelling of Surface Assimilation of Water in Load Lock Vacuum System	International Journal of Applied Engineering Research (IJAER)	Dr T. Satyanarayana Dr. Ram Babu,, G.Anusha	2017-18
3.	Paper Based Piezoresistive Sensor Using MEMS	International journal of innovative research in Electrical , Electronics, Instrumentation and Control Engineering	Prof.G.Mallikarjuna Rao K.Pavani	2017-18
4.	Modeling and Deformation Analysis of Piezoresistive Cantilever for Bio-sensing Applications	Indian Journal of Science & Technology, 9(1) 2016, DOI: 10.17485/ijst/2016/v9iS1/107833	Dr.T.Satyanarayana, M.Vasubabu & D.V.Lakshmi,	2016-17
5.	Design Simulation And Analysis Of Highly Sensitive MEMS Cantilever Beams Using Comsol Multiphysics	International Journal Of Informative & Futuristic Research Volume2 Issue 10june2015	Prof.G.Mallikarjuna Rao	2015-16
6.	Design and Deformation Analysis of MEMS Based Piezoresistive Pressure sensor	AI Int. J. of Advances in Engineering and Technology, Vol. 7, Issue 2, May 2014, pp. 521 531	Dr. T. Satyanarayana	2014-15
7.	Design and simulation of MEMS piezoelectric gyroscope"	European Journal of Applied Engineering and Scientific Research, 2014	Mr.V.Vineela	2014-15
8.	Design and Analysis of Micro Resistor Beam by using COMSOL	International journal of Advanced Scientific Engineering and Technology Research, 2(1), 1-7(2013)	Dr.K.Srinivasa Rao	2013-14
9.	Design and Simulation of Micro Electro Wetting Liquid lens for miniature cameras	J. Science and Research,Vol. 2, Issue 2, Feb. 2013, ISSN: 2319-7064, pp. 180-185	Dr. T. Satyanarayana	2013-14
10.	Design and Simulation of Micro Resistor Beam using COMSOL	Int. J. Advanced Scientific Engineering & Technological Research, 2(1), P. 1-7 (ISSN: 1839-7239)	Dr. T. Satyanarayana	2013-14



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List of Faculty Papers Presented in Conferences/seminars/symposiums for Last Five Years (15)

S.No	Title of the paper	Name of the Programme & Duration with Date Host Institution	Name of The Faculty	Academic Year
1.	"Influence of ZnO on Bioactivity of P ₂ O ₅ -CaO-Na ₂ O-K ₂ O Glasses"	UGC sponsored National Seminar on Physics and Chemistry of Non-Crystalline Materials (PCNCM-2017) organized by Physics and Chemistry Departments of KVR College Nandigama during 1 st and 2 nd December 2017.	Dr.T.Satyanarayana	2017-18
2.	"Design and Simulation of Nanorods for Display Applications"	UGC sponsored National Seminar on Physics and Chemistry of Non-Crystalline Materials (PCNCM-2017) organized by Physics and Chemistry Departments of KVR College Nandigama during 1 st and 2 nd December 2017.	Dr.B.Ram Babu Dr.T.Satyanarayana	2017-18
3.	Design and modelling of Nanorods for display applications	International innovations in electrical, electronics, power smart grids & advanced computing technologies (IEEPS-2018), 9 th & 10 th March	Dr.T.Satyanarayana G.Anusha	2017-18
4.	Modelling and Deformation Analysis of Piezoresistive Cantilever for Bio -Sensing Applications"	International Conference on Advances in Aerospace Electronics, Electrical, Communications & Instrumentation (ASECI-2016) 22 nd -23 rd Oct.VRSEC,Vijayawada	Dr. T. Satyanarayana & M.Vasu Babu	2016-17
5.	Design And Analysis Of Fluid Structure Interaction In Horizontal Micro Channel	Seminar on " Smart Sensors and Systems" Andhra University College of Engineering,Visakhapatnam, in Association with IISc,Bangalore, 8-10 Dec"15	R.Anjaneyulu Naik M.Vasu Babu	2015-16
6.	Synthesis & Characterization of SrO doped Calcium Phosphate Bioactive Glasses"	International Conference on Science and Engineering of Materials for Future Needs (ICSEMF-2015), during 21 st & 22 nd Dec 2015.	Dr. T. Satyanarayana	2015-16
7.	Synthesis and Spectroscopic characterization of Tm ³⁺ doped Phosphate Glasses	UGC sponsored Two Day National Conference on Need and Role of Nanosciences in the Present Era Dept. of Physics (P.G.), P.B. Siddhartha College of Arts & Science, Vijayawada in association with Krishna University, Machilipatnam, India during 7 th to 8 th October 2015.	Dr. T. Satyanarayana	2015-16

8.	Spectroscopic Investigations on Pb5-As2O3 Glasses crystallized with TiO2	UGC sponsored Two Day National Conference on Emerging Frontiers of Materials Science organized by . Dept. Of Physics, Maris Stella College (Autonomous), Vijayawada in collaboration with DST Unit of Nanoscience & Thematic Unit of Excellence, IIT Madras, Chennai during 12th & 13th February 2015	Dr. T. Satyanarayana	2015-16
9.	Overview of MEMS Technology and its applications	One-Week Faculty Development Program on "Research Tools in Electrical Engineering" 20th - 25th November, 2014 Dept. of EEE,LBRCE,MYLAVARAM	Dr. K. Srinivasa Rao	2014-15
10.	MEMS Technology based Electrics sensor	One-Week Faculty Development Program on "Research Tools in Electrical Engineering" 20th - 25th November, 2014 Dept. of EEE,LBRCE,MYLAVARAM	Dr. T. Satyanarayana	2014-15
11.	Design and simulation of nuclear radiation based energy harvesting	IEEE Sponsored International Conference on Smart Systems (ICSS) Dec 19 th & 20 th , 2013JBIT,Hyderabad	Dr.K.Srinivasa Rao	2013-14
12.	Design and analysis of water hammer in a network of pipeline intersections	IEEE Sponsored International Conference on Smart Systems (ICSS)Dec 19 th & 20 th , 2013JBIT,Hyderabad	Dr.K.Srinivasa Rao	2013-14
13.	Design and simulation of microactuator and micro needle of MEMS based blood sampling device	IEEE Sponsored International Conference on Smart Systems (ICSS)Dec 19 th & 20 th , 2013JBIT,Hyderabad	Dr.K.Srinivasa Rao	2013-14
14.	Design and Simulation of Piezoelectric Actuated Microgripper	IEEE Sponsored International Conference on Smart Systems (ICSS)Dec 19 th & 20 th , 2013JBIT,Hyderabad	Dr.K.Srinivasa Rao	2013-14
15.	Design and Simulation of Wetting Lens for Pinhole Cameras of a Two Phase Flow System	INTERNATIONAL COMSOL Conference 2013 held on 17 th & 18 th October 2013Bangalore	Dr.T.Satyanarayana	2013-14