

Faculty Contribution

Academic Year	Patents	Book chapters	Paper Publications	Papers Presented in conferences	Details
2022-23	01	02	03	02	Click Here



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B.Reddy Nagar, Mylavaram – 521 230, Andhra Pradesh, INDIA.

Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.

Accredited by NAAC, NBA Tier-1 for CSE, IT, ECE, EEE & ME and “CPE” status by UGC.

Department of Electronics and Communication Engineering

National MEMS Design Centre (NMDC)

Details of Faculty Contribution during the A.Y.:2022-23

i) No. of Patents Published	: 01
ii) No. of Books Chapters Published	: 02
iii) No. of Paper Publications	: 03
iv) No. of Papers presented in conferences	: 02

Patents Published

Title of the Patent	Applicant/ Inventor	Status	ApplicationNumber	Date	Issuing Authority
A Tide Wave Energy Harvester Using The Piezoelectric Unimorph Cantilever Beam	Lakireddy Bali Reddy College of Engineering, Dr.T.Satyanarayana, Dr.E.V. Krishna Rao, Dr. RambabuBusi, Dr. B. Poornaiah	Published	202241053891	30-09-2022	Indian Patent Office

Book Chapters

S.No	Title of Book	Name of the Authors	Name of the Publisher with Address	ISBN Number	Publication Date
1.	Studies on Stability Properties of Polymer Thick Film Resistors	Poornaiah Billa	Lambert Academic Publishing, Germany	978-620-4-98265-6	14-07-2022
2.	Study on Energy Harvesting Efficiencies of Piezoelectric MEMS Devices	Satyanarayana Talam	Lambert Academic Publishing, Germany	978-620-4-75186-3	11-05-2022

Paper Publications

S.No	Authors Names	Title of Paper	Details	Indexing
1.	Dr.T. Satyanarayana	Importance of the donor unit on fluoranthene for selective detection of nitro aromatic explosives	Journal of Photochemistry & Photobiology, A: Chemistry, 433, Aug-22, ISSN:1010-6030	SCI
2.	Dr.T. Satyanarayana	Structural investigations of borate incorporated germanium antimonite glasses	Results in Chemistry,4, Jul-22, 100449, ISSN:2211-7156	SCI
3.	Dr.Poornaiah Billa	Studies on stability of polymer thick film resistors by using pulse voltage trimming method (PVTM)	Journal of Active and Passive Electronic Devices, 17 (1),May-23, ISSN:1555-029X	ESCI

Papers presented in conferences

S.No	Authors Names	Title of Paper	Details	Indexing
1.	Dr.T. Satyanarayana	Modelling Investigations on Efficiency of Miniaturized Piezoelectric Energy Harvester	IEEE Second International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies(ICACET 2022),Jul-22	Scopus Conf. Proc
2.	Dr.T. Satyanarayana	Design and Displacement sensitivity analysis of micro scale piezo resistive cantilever	IEEE Second International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies(ICACET 2022),Jul-22	Scopus Conf. Proc