

Student Activities

Academic Year	Main Projects	Paper Publications	Papers Presented in Conferences	Details
2021-22	05	02	04	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

A.Y.: 2021-22

National MEMS Design Centre (NMDC)

Details of Faculty Contribution during the A.Y.:2021-22

i) Main Projects	:	05
ii) No. of Paper Publications	:	02
iii) Papers @ Conferences	:	04

Main Projects

S. No	Title of the Project	Regd. No	Name of the Guide
1.	Modelling Investigations on Efficiency of Miniaturized Piezoelectric Energy Harvester	18761A0455 18761A0437 18761A0413 18761A0428	Dr.T.Satyanarayana
2.	Impact of Stress concentrate region on MEMS based Piezoelectric Energy Harvesting	18761A0291 18761A0286 18761A0264	Dr. T. Satyanarayana
3.	Design and Displacement Sensitivity Analysis of Micro scale Piezoresistive Cantilever	19765A1019 19765A1013 19765A1016	Dr. T. Satyanarayana
4.	IOT framework for monitoring the condition of the roads	18761A0449 18761A0415 18761A0425 19765A0405	Dr. K. Ravi Kumar
5.	Design of Conformal Antenna	18761A04E2 18761A04H5 18761A04C0	Mr.K.Bhanu

Paper Publications -02

1. Modelling and Investigation on Mixing Characteristics of T & Y-Shaped Micromixers for Microfluidic Devices A. Udaya Kumar, D. Sai Ganesh, T. Vamsi Krishna, B. Sashank, Satyanarayana Talam Materials Today: Proceedings, Published Online: **06th December 2021.**
<https://doi.org/10.1016/j.matpr.2021.11.474>

2. Dielectric investigations on metal (Ni and Cu) tetrahydroxy phenyl porphyrins in PMMA polymer matrix P. Prasanth, **Satyanarayana Talam**, B. Rama Krishna, G. Nagarjuna, B. Rambabu, M.C. Rao and N. Venkatramaiah Materials Today: Proceedings, 50(3) (2022) 371-374, Published Online: **23rd October 2021.**
<https://doi.org/10.1016/j.matpr.2021.10.027>

Papers presented in Conferences/Symposium-04

S.No	Title of the paper	Name of the programme & Duration, Host Institution	Name of The Faculty
1.	Modeling and Investigation on Mixing Characteristics of T & Y-Shape Micromixers for Microfluidic Devices.	Third International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMM 2021), Department of Mechanical Engineering, D Y Patil College of Engineering and Technology, Kolhapur, Maharashtra, India during 25-26, November 2021.	Dr.T.satyanarayana Mr.A. Uday Kumar
2.	Dielectric investigations on metal (Ni and Cu) tetrahydroxy phenyl porphyrins in PMMA polymer matrix.	5th International Conference on Recent Advances in Material Chemistry (ICRAMC 2021).	Dr. T.Satyanarayana
3.	Modelling Investigations on Efficiency of Miniaturized Piezoelectric Energy Harvester	IEEE Sponsored Second International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2022), Department of Electrical and Electronics Engineering, Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 21 - 22, April 2022..	Dr. T.Satyanarayana
4.	Design and Displacement Sensitivity Analysis of Micro scale Piezoresistive Cantilever		Dr. T.Satyanarayana Dr.Rambabu Busi