



LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

L.B.Reddy Nagar, Mylavaram -521 230, Krishna Dist., A.P.
 Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.
National MEMS Design Center (NMDC)

Details of Student Activities during the A.Y.: 2018-19

- i) No.of Main Projects : 18
 ii) No.of Paper Publications : 01
 iii) PAL : 09

MAIN PROJECTS

A.Y:2018-19			
S. No	Title of the Project	Regd. No	Name of the Guide
1.	Electrical Energy Harvesting From Body Heat	15761A1050 16765A1004 15761A1008	Dr.B.Rambabu
2.	Piezoelectric Energy Harvesting Using MEMS	15761A1029 15761A1051 15761A1004	Dr.T.Satyanarayana
3.	Design And Analysis Of Microfluidic Kidney On Chip Model	16765A1008 15761A1019	Mr.M.Vasubabu
4.	Modeling And Simulation Of MEMS Comb Type Capacitive Accelerometer	15761A1032 15761A1030 15761A1025	Mrs.G.Anusha
5.	Investigation On MEMS Based Thermal Sensor For Cancer Detection	15761A1055 15761A1047 15761A1017	Dr.B.Rambabu

6.	Design And Enhanced Performance Analysis Of Vertical Mosfet	15761A1039 15761A1009 15761A1002	Mr.M.Vasubabu
7.	Electrical Energy Harvesting From Body Heat	15761A1050 16765A1004 15761A1008	Dr.B.Rambabu
8.	Piezoelectric Energy Harvester Using MEMS	15761A1029 15761A1051 15761A1004	Dr.T.Satyanarayana
9.	Design And Analysis Of Microfluidic Kidney On Chip Model	16765A1008 15761A1019	Mr.M.Vasubabu
10.	Modeling And Simulation Of MEMS Comb Type Capacitive Accelerometer	15761A1032 15761A1030 15761A1025	Mrs.G.Anusha
11.	Investigation On MEMS Based Thermal Sensor For Cancer Detection	15761A1055 15761A1047 15761A1017	Dr.B.Rambabu
12.	Design And Enhanced Performance Analysis Of Vertical Mosfet	15761A1039 15761A1009 15761A1002	Mr.M.Vasubabu

13.	Electrical Energy Harvesting From Body Heat	15761A1050 16765A1004 15761A1008	Mrs.G.Anusha
14.	Piezoelectric Energy Harvester Using MEMS	15761A1029 15761A1051 15761A1004	Dr.B.Rambabu
15.	Design And Analysis Of Microfluidic Kidney On Chip Model	16765A1008 15761A1019	Dr.T.Satyanarayana
16.	Modelling And Simulation Of MEMS Comb Type Capacitive Accelerometer	15761A1032 15761A1030 15761A1025	Mr.M.Vasubabu
17.	Investigation On MEMS Based Thermal Sensor For Cancer Detection	15761A1055 15761A1047 15761A1017	Mrs.G.Anusha
18.	Design And Enhanced Performance Analysis Of Vertical Mosfet	15761A1039 15761A1009 15761A1002	Dr.B.Rambabu

PAPER PUBLICATONS

S.No	Title of the Paper	Journal, Vol., Year, Page No.	Roll No
A.Y: 2018-19			
1.	Design & Modelling of Nanorods for Display Applications	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 10, 2018	14761A1021

PAL

S. No	Title of the Problem Assisted Learning	Roll No
A.Y: 2018-19		
1.	Design and Simulation of Micro Resistor Beam using COMSOL	17761A1007
2.	Design and Simulation of Semiconductor Diode using COMSOL Multyphysics	17761A1008
3.	Design and Simulation of Micro Electro Wetting Liquid Lens for Miniature Cameras	17761A1009
4.	Capacitive Pressure Sensor	17761A1011
5.	Antilever based MEMS Pressure Sensor using Different Piezo Electric Materials	17761A1030
6.	Piezoresistive Pressure Sensor	17761A1033
7.	Design of Composite Piezoelectric Transducer using COMSOL Multiphysics 5.0	17761A1038
8.	Design and Simulation of a Piezoelectric Sensor with Applications in Image Stabilization	17761A1046
9.	Comparative Analysis of Different Micropressure Sensors using COMSOL Multiphysics	17761A1047