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.: 2019-20

i) No.of Main Projects : 02
ii) No.of Paper Publications : 01
iii) PBL : 09

MAIN PROJECTS

A.Y:2019-20			
S. No	**Title of the Project**	**Regd. No**	**Name of the Guide**
1.	Modeling of Dielectrophoretic separation of Platelets from Red Blood Cells using COMSOL	16761A1033 16761A1038 16761A1029	Dr.T.Satyanarayana
2.	Modeling & Stimulation of Capacitive Pressure Sensor	16761A1023 16761A1039 16761A1008	Mrs.G.Anusha

PAPER PUBLICATIONS

S.No	*Title of the Paper*	*Journal, Vol., Year, Page No.*	*Roll No*
A.Y: 2019-20			
1.	Modeling and Simulation of MEMS based Pressure Sensor for Industrial Applications	International Journal of Innovatative Technology and Exploring Engineering, Vol/Issue-9/1, ISBN/ISSN-2278/3075, Page No-1739-1743, SCI/SCOPUS/UGC -SCOPUS	15761A1050

PBL

S. No	**Title of the Problem Based Learning**	*Roll No*
A.Y: 2019-20		
1.	Modelling of Electrostatically Actuated Cantilever Using COMSOL Multiphysics 5.0	18761A1008
2.	Modelling of Saw Gas Sensor Using COMSOL Multiphysics 5.0	18761A1002
3.	Modelling of Electrostrictive Disc with COMSOL Multiphysics 5.0	18761A1015
4.	Modelling of Small-Signal Analysis of A MOSFET using COMSOL Multiphysics 5.0	18761A1016
5.	Modelling of PN Diode Circuit with COMSOL Multiphysics 5.0	18761A1011
6.	Design and Simulation of Micro Resistor Beam using COMSOL	18761A1001
7.	Modelling of GaAs Pin Photodiode using COMSOL Multiphysics 5.0	18761A1009
8.	Modelling of Bipolar Transistor with COMSOL Multiphysics 5.0	18761A1005
9.	Modelling of Adsorption and Desorption in a Load Vaccum System using COMSOL Multiphysics 5.0	18761A1013