



## 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.: 2017-18

- i) No.of Main Projects : 05  
 ii) No.of Paper Publications : 01  
 iii) Miniprojects : 09

#### MAIN PROJECTS

A.Y:2017-18			
S. No	Title of the Project	Regd. No	Name of the Guide
1.	Ion funnel for Mass Spectrometer	14756A1021 14761A1036 14761A1037	Dr.T.Satyanarayana
2.	Quadrupole Mass Spectrometer	14761A1039 14761A1032 14761A1052	Dr.B.Rambabu
3.	Design and analysis of lock in amplifier in bio sensor applications	15765A1013 15765A1007 14761A1024	Mr.M.Vasu Babu
4.	Modeling and analysis of superconducting wire for MRI	14761A1010 15765A1015 14761A1050	Dr.T.Satyanarayana
5.	Design and analysis of capacitive sensor for oil degradation	14761A1035 14761A1053	Mr.M.Vasu Babu

#### PAPER PUBLICATONS

S.No	Title of the Paper	Journal, Vol., Year, Page No.	Roll No
A.Y: 2017-18			
1.	Design and modelling of Nanorods for display applications	International innovations in electrical, electronics, power smart grids & advanced computing technologies (IEEPS-2018), 9 <sup>th</sup> & 10 <sup>th</sup> March	14761A1021

#### MINIPROJECTS

A.Y:2017-18		
S. No	Title of the Miniproject	Roll No
1.	Capacitive pressure sensor	15761A1012
2.	2-D Lithium- ion battery	15761A1015
3.	Deferential Pipes	15761A1050
4.	Piezo resistive pressure sensor Shell	15761A1018
5.	Fuel cell cathode	15761A1032
6.	Piezo resistive gyroscope	15761A1023
7.	Liquid cooled lithium – ion battery pack	15761A1035
8.	Micro pump mechanism	15761A1054
9.	Modelling of cross flow heat exchanger for industrial applications	15761A1020

