Details of Student Activities during the A.Y.: 2016-17

i)   **No.of Main Projects**   :   **09**
ii) **No.of Paper Publications**   :   **01**
iii) **Miniprojects**   :   **11**
iv) **Term Paper**   :   **14**

MAIN PROJECTS

A.Y:2016-17			
1.	Paper based piezoresistive sensor using MEMS	13761A1015 13761A1011 13761A1035 13761A1019	Mr.R.Anjaneyulu Naik
2.	Design and simulation of piezoelectric cantilever	13761A1013 13761A1032 13761A1023	Dr.T.Satyanarayana
3.	Separation of platelets from RBC in blood using MEMS	14765A1003 14765A1011 13761A1016	Mr.R.Sarveswara Prasad
4.	Simulation of heat generating in a vibrating structure	13761A1020 13761A1006 13761A1017	Mr.Sk.Mastan sharif
5.	Design and analysis of stress induced delamination of 3D structure	13761A1038 13761A1025 14765A1015	Mr.M.Vasu Babu
6.	Accelerometer based guesture controlled robot	13761A1021 13761A1014 13761A1009	Mr.G.Md.Rafi
7.	Capacitive pressure sensor using MEMS	13761A1036 14765A1016 13761A1039	Mr.B.Sandeep
8.	Design and simulation of electric sensor	13761A1037 13761A1004 13761A1003	Mrs.V.Vineela
9.	Design and simulation of pacemaker electrode using COMSOL Multiphysics	13761A1034 13761A1030 13761A1024	Ms.D.Venkata Lakshmi

PAPER PUBLICATONS

S.No	Title of the Paper	Journal, Vol., Year, Page No.	Roll No
A.Y: 2016-17			
1.	Automation Of Temperature Variation Setup For Impedance Analyzer Using LABVIEW	International Journal of Engineering Research online (IJOER-2016) ISSN: 2321-7758 Vol.4., Issue.5., 2016	13761A1004 13761A1011

MINIPROJECTS

	A.Y:2016-17	
1.	Superconducting Wire	14761A1006
2.	Simulation Of MEMS Based Piezo Resistive Accelerometers	14761A1012
3.	Nanorods	14761A1021
4.	Micromixer - Cluster	14761A1028
5.	Piezo-Ceramic Tube	14761A1041
6.	Quadrupole lens	14761A1055
7.	Electro – Osmotic Micro Mixer	15765A1001
8.	Design Of Tuning Fork By Using COMSOL Multiphysics	15765A1008
9.	Design Of Mems Inkjet Nozzle – Level Set	15765A1011
10.	Beam Splitter	15765A1004
11.	Solute Band Dispersion In A Curved Microchannel	15765A1010

TERM PAPER

	A.Y: 2016-17	
1.	Design And Optimisation Of Pacemaker Electrode Using Finite Element Method	13761A1002
2.	Flexible Graphite-On-Paper Piezoresistive Sensors	13761A1004
3.	Design And Simulation Of 3d Capacitive Accelerometer For Automotive Applications	13761A1013
4.	MEMS Based Integrated Gas Sensor For No2 &Nh3	13761A1021
5.	Glucometer Biosensor Based On MEMS Ultrasonic Transceivers	13761A1023
6.	Design And Simulation Of Cantilever Array For Fluid Flow Sensing Applications	13761A1024
7.	Simulation And Analysis Of Thermal Bimorph Using COMSOL	13761A1025
8.	Simulation Of Heart Disorders Using COMSOL Multiphysics	13761A1027
9.	Piezoresistive MEMS Cantilever Based Co2 Gas Sensor	13761A1030
10.	Design And Simulation Of Piezoelectric MEMS Cantilever Using COMSOL	13761A1032
11.	Design And Simulation Of MEMS Silicon Piezoresistive Pressure Sensor For Barometric Applications	13761A1034
12.	Modelling Of Capacitance And Sensitivity Of A MEMS Pressure Sensor With Clamped Square Diaphragm	13761A1036
13.	Design And Analysis Of Micro Cantilever Based Biosensor For Swine Flu Detection	13761A1038
14.	Pull In Of RF MEMS Switch	14765A1016