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ACADEMICS

COURSE	INSTITUTION	AGGREGATE	YEAR
B.Tech (Electronics and Biomedical Engineering)	Govt. Model Engineering College(CUSAT)	8.00	2013-2017
Class XII	St. Mary's HSS, Morakkala(STATE BOARD)	93.75%	2013
Class X	St. Joseph's HS, Kizhakkambalam(STATE BOARD)	99%	2011

AREAS OF EXPERTISE

- Technical Skills: C Programming.
- Operating Systems known: Windows.
- Areas of Interest: Biomedical Instrumentation, Biomems.

PROJECTS

- **Project: Motion Sensed Burglar Alarm** **Team Size: 4** **Duration: 2 months**
 - A motion sensed burglar alarm which alerts when an unauthorised person reaches the area of interest.
 - Used for safety purposes.
 - **Role:** Hardware.
 - **Technology:** Analog circuits.
- **Project : INTELNET (Intelligent Helmet)** **Team size : 4** **Duration : 5 months**
 - An Intelligent helmet system which prevents starting of Bike if the driver is drunken or haven't worn the helmet.
 - **Role:** Hardware.
 - **Technology:** PIC16F877A, Sensors.
- **Project : Airway obstruction detector** **Team size : 4** **Duration: 1 yr**
 - A mobile spirometer to detect the airway obstruction.
 - Determine the obstruction or restriction in the air canal, SVC activity And also a breathing exercise is included. It can be used in the smart phone as an application.
 - **Role:** Hardware and Software.
 - **Technology:** Android, Sensor.
- **Seminar : Blood flow animation with wall thickness visualization**
 - A combined visualization tool for the imaging of blood vessel and the blood flow through it.

WORK EXPERIENCE

- **Company : Rajagiri Hospital, Aluva.** **Post : Intern** **Duration : 2 weeks**
 - Gained awareness about hospital architecture.
 - Familiarized with the working, maintenance and servicing of medical equipments.

- **Company : MOSC Medical College Hospital, Kolenchery. Post : Intern** **Duration : 2 weeks**
 - Familiarized with the working, maintenance and servicing of medical equipments.
 - Gained awareness about the role of a biomedical engineer in a hospital.
- **Company : Keltron Controls, Aroor. Post : Intern** **Duration : 1 week**
 - Gained awareness about different departments and its functioning in a company.
 - Familiarised with the working of control boards , actuators, array etc.
- **Company :Govt. Medical College, kalamassery. Post :Biomedical Trainee** **Duration : 6 months**
 - Familiarized with the working, maintenance and servicing of medical equipments. And also with the processes in Biomedical department in a hospital.

INTERESTS AND ACTIVITIES

- **Attended** seminar on Modern Medical Equipments conducted by Philips at Excel 2014.
- **Attended** exhibition on Medical Equipments as a part of Medic-Expo 2015 at Willington Island, Cochin.
- **Attended** Technoprenuer conducted by E-Cell MEC.
- **Member**, BMA, Biomedical Association, Govt. Model Engineering College.