

# Edwin Davis. Project Engineer

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## Career Objective

To pursue a highly rewarding career, challenging and healthy work environment where I can utilize my skills and knowledge efficiently for organizational growth



## Profile

Having 2 years of experience as a role of project Engineer in design, development & unit testing of embedded application development on different platforms, which includes 1.5 year of experience on Medical domain, proficient in medical devices development and its standards and 6 months of experience on automotive – infotainment development at Wipro Technologies, Bangalore & Kochi.

Have good experience :

- Core areas of skills are electrical design , R&D & embedded testing.
- Both practical as well as theoretical knowledge in electrical design, drafting.
- Working more efficiently and productively so as to produce maximum output.
- Hands on experience in various phases of DLC such as Analysis & Testing.



## Education

Degree	Board/University	Percentage	Year of passing
<b>B.Tech [ Electrical &amp; Electronics ]</b>	IES Engineering College, Thrissur	76.6 %	Apr-2014
<b>Intermediate</b>	Nirmala Matha Central School, Thrissur, Kerala	79.6 %	May-2010
<b>SSC</b>	Nirmala Matha Central School, Thrissur, Kerala	81.8 %	May-2008

### Training Course Detail:-

Institute Name : National Institute of Electronics and Information Technology, Calicut, Kerala  
Training title : PG Diploma in Embedded System  
Duration : 6 months.



## Experience

**Projects:**

**Title:** Electrical design of G+5 floors residential apartment

**Client:** Dhanush Engg services

**Description:**

- Calculation of Transformer & DG set rating and designing of HT/LT cables, bus-bars, light fixtures, CB's, distribution boards, earthing, sockets, A/C load & capacitor banks
- Load calculations and designing of HT/LT cables, bus-bars, light fixtures, CB's, sockets, A/C load

**System design:**

- Estimation of total load and deciding voltage level.
- Selection of Transformer/DG capacity and number with necessary metering & protection.
- Selection of load center location & captive power generation station.
- Segregation of estimated maximum demand into individual load centers.
- Preparation of detailed schematic main single line diagram.
- Calculation of Short Circuit Current & Voltage Drop at each level of distribution.
- Selection of HT & LT switchgear based on breaking, making & short time capacity.
- Selection of HT & LT cables based on thermal, short circuit & voltage drop values.
- Preparation of sectional drawings of HT & LT switches board and bus-bar sizing.
- Design of earthing based on max fault current & design of lightning protection system.
- ❖ Preparation of building plan & Equipment layout:
  - Point of Supply and Cable Trench layout.
  - DG & Main LT electrical room layout.
  - Earthing scheme & earthing layout.
  - Lighting, Power & UPS layout with distribution scheme.
  - Co-ordinated Cable tray & raceways layout with detailed sections.
- ❖ Load balancing & Preparation of bill of quantity(BOQ)

Company 1  
Jan 2015 –  
Jan 2017

**Wipro Technologies****Project 1 Details:-**

**Name:** Mazda (Japan based Company)

**Client:** Visteon

**Platform:** Bluetooth

**Hardware:** CMU – Freescale i.MX applications processor

**Description:**

- Bluetooth – In Bluetooth, deals with 4 modules mainly Bluetooth hands-free, Bluetooth connection application, BTMUSIC, pairing application. Bluetooth supported features and specially used features in JCI car kit profiles are detailed

**Role and Contribution:**

- Analysis of requirements, design and development of Bluetooth modules.
- Worked on several Bluetooth SCR's.
- Experience on the Car Play feature for the CMU project.

**Project 2 :-**

**Name: ForceTriad**

**Client: Medtronic (US based company)**

**Platform: Medical Devices**

**Description:**

- ForceTriad - Energy platform is a full-featured electrosurgical system, which provides electrosurgical cutting and coagulation, bipolar functionality and vessel sealing in a single generator. RF generator uses different power modes and is compatible with conventional electrosurgical instruments.

**Role and Contribution:**

- Analysis of Requirements, design and development of ForceTriad modules.
- Implemented the new support for the changes and bugs related to the device.
- Experienced on upgrading the new support for latest accessories in the device.
- Experienced in adding the USB feature support in the device.

**Industrial Training:**

- Visited Bramapuram diesel power plant unit, Ernakulam for 6 Days
- Visited Shalom private electrical industry for 4 days.



## Skills

Tools : AutoCad , Electrical-Cad ,Electrical design, DIALUX  
Project Domain : Automotive, Medical



## Academic Achievements

Won first prize in State level Mime and third prize in District level.  
Represented & won prizes for badminton and soccer in corporate company level & college level competitions.



## Personal Information

Name : Edwin Davis  
Date of Birth : 18 Jan 1992  
Passport Number : L7524505  
Visa Status : Visit  
Language : English, Malayalam  
Sex : Male  
Permanent Address : Kanjiraparambil House  
Kottekad Po Kuttur  
Thrissur, Kerala  
India

I , Edwin Davis hereby declare that all the information I have given above is true as per my documents.

Edwin Davis

