



Mr. NAVEEN KUMAR G | AM11M036  
Indian Institute of Technology Madras

Ameerpet,  
Hyderabad. Ph: +91 9502702702

E-mail: [naveenkumar.iitm@gmail.com](mailto:naveenkumar.iitm@gmail.com)

## EDUCATION

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Program	Institution	Year of completion
M Tech	Indian Institute of Technology Madras, Chennai	2013
B Tech in EEE	Laki Reddy Balireddy College of Engineering	2005
XII	Nagarjuna Junior College	2001
X	Nagarjuna vidyanikethan	1999

## SKILLS

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- Computer Languages Known: C, C++
- Software Packages Known: MatLab, Scilab, PSPICE, LTspice, Tina-TI, Multisim
- Others : MS-Office, latex, PLC programming,

## PROJECTS

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- Auto detection of coronary arteries in X-ray angiographic images
  - Final year M. Tech project under the supervision of Dr. S. Ramakrishnan, Applied Mechanics Department, IIT Madras, Chennai
- Zero current switching Quasi Resonant Converter-fed DC drive
  - QRC's employ soft switching where in the devices switched either at zero current or zero voltage. With this the switching losses are zero ideally. A parallel resonant QRC is used for the speed control of DC Motor.

## MINI PROJECTS

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### M.Tech

- Product design of Automatic Pressure measurement which display the sound signal and pressure signal on CRO.
- Design of Photo Plethysmo Graphy (PPG) system

## **B.Tech**

- Protection & Control logic of DC drive of Stacker/ Reclaimer in Coal Handling Plant, V.T.P.S

## **OFFICES OF RESPONSIBILITY**

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- Graduate Engineer Trainee
  - I worked in Omni Electrical contractors. I involved in substation maintenance of 132/33 KV, erection work of 33/11KV, rural electrification works and transformer erection from sep 2005 to dec 2007.
- Site Engineer
  - I worked in Coal Handling Plant, APGENCO Project at RTPP site in Elecon Engineering Co Ltd. from 10<sup>th</sup> Jan 2008 to Dec 2010. Supervision project erection work with key roles
  - PLC semi-auto controlled Wagon Tippler, conveyors.
  - HT/LT Transformer , Induction motors commissioning
  - Testing and commissioning of electrical panels.
  - Underground cable laying (power and control), cable trays, cable jointing.
  - Earthing works, fabrication.
  - Termination of relay panel, control panel, PLC panel, LCS, weighing panel, Vibrating Feeders & panels, dust separation panel with circuit drawings.
  - Termination of control desk(WT,SAC(side arm charger)), weighing panel
  - Commissioning of limit switches (proximity).
  - Operation and maintenance etc.....

## **ACHIEVEMENTS**

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- First highest mark in college in mathematics in intermediate public exam
- Second highest mark in school in mathematics in SSC exam

## **EXTRA-CURRICULAR ACTIVITIES**

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- Participated in singing for Independence Day and Republic Day celebrations in IIT Madras.
- Acted in a skit and sang song for telugu samskrutika sambaralu in IIT Madras

## **OBJECTIVE**

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To build a vivacious career and to be part of an esteemed organization that complements to my evolving as a professional in the industry, and thus contribute to the advancement of the organization.