### Umesh Chugh

+91-9990305580, ishu8340@gmail.com

# Career objective

To strive for excellence in the professional environment by giving my best, to make significant positive contribution to the organizational goals as well as further own personality and career, in the process.

# Academic Qualification

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Course** | **Name of Board/University** | **Division** |
| 2014 | M.E. (Electronics Instrumentation & Control) | Thapar University, Patiala | I |
| 2012 | B.Tech. (Instrumentation & Control) | Bharati Vidyapeeth’s College of Engineering  (I.P. University), Delhi | I |
| 2007 | XII (Science – Non Medical) | C.B.S.E. | I |
| 2005 | X | C.B.S.E. | I |

# Academic Experience

# Institute Name: Engineers Academy Duration: Since July 2018

**Designation:**  Faculty

**Description**: Teaching for GATE/ESE/JE in Electrical Department.

**Roles and Responsibilities:**

* Delivering lectures, tutorials for Network Theory, Digital Electronics and Control System, Measurement, Transducer and Optical instrumentation.
* Preparing class test, quiz and other study material.
* Travelling to other cities for taking classes.

# College Name: ST. Andrews Institute of Technology and Management Duration: September 2016-June 2018

**Designation:** Assistant Professor

**Description**: Teaching in Electrical Engineering department.

**Roles and Responsibilities:**

* Delivering lectures, tutorials and conducting labs for Network Theory, Digital Electronics, Control System and Electrical & Electronics Measurement.
* Preparing assignments, quiz and other study material.
* Setting question papers for internal exams and evaluating answer sheets.
* Active role in promotion of college at the time of admissions.

# College Name: Satyug Darshan Institute of Engineering and Technology Duration: Jan. 2015-May 2015

**Designation:** Assistant Professor

**Description**: Teaching in Electrical and Electronics Engineering department.

**Roles and Responsibilities:**

* Delivering lectures, tutorials and conducting labs for Control System, Signal &System.
* Preparing assignments, quiz and other study material.
* Setting question papers for internal exams and evaluating answer sheets.

# Industrial Experience

# Company Name: Crompton Greaves Ltd. Duration: June 2013 – April 2014

**Designation:** Project trainee

**Project**: Design and Simulation of Controller for Brushless DC Motor

**Description**: Simulation of controller in MATLAB, Design of controller Hardware for 24 V, 40 W Brushless DC motor of Ceiling Fan.

**Roles and Responsibilities:**

* Working on BLDC motors in R&D department.
* Prime focus on designing Controllers for Trapezoidal – BLDC motors.
* Study of entire designing cycle, involving provision for Regulated Power Supply, selection of Mosfets and selection of Hall Sensors.
* Exposure to “Maxwell” (software used for designing entire range of electrical motors).

# Academic Projects

**Major Project:** Wireless Heart Beat Monitoring System

**Description:** Monitoring heart beat by counting numbers of beats using microcontroller and transfer it through RF module to displaying it on LCD.

**Minor Project:** Single Axis Sun Tracking System

**Description**: Designing control system for solar panels using DC Stepper motor.

# Software Skills

* Programming language: C,C++
* Matlab

# Awards & Achievements

* Qualified GATE 2012 (Instrumentation) scored 93 percentile (Rank1349).
* Participated in course “Converter topologies for grid connected solar PV” conducted at IIT Mumbai.
* Completed training on Embedded System conducted at bharati vidyapeeth’s college of engineering, Newdelhi.
* Won first prize in Physics quiz competition at post graduation level.
* Winner of various street plays.
* First runner-up in inter school Science fair, 2004.

# Hobbies

* Travelling & Driving
* Acting (participated in various street plays and theatre activities)
* Watching movies and playing video games

# Personal Details

Date of Birth : 26 June 1990

Father Name : Mr. Subhash Chugh

Permanent Address : H-15, Deepak Vihar, Najafgarh, New Delhi – 110043

# Declarations

I hereby, declare that the information furnished above is true to the best of my knowledge.

**Name:** Umesh Chugh  **Date: Place:**