



“Professional” MR. P N PRAVEEN

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CAREER OBJECTIVE

Aspire to pursue a highly rewarding career in the field of Industry, research, academics and administration, with challenging healthy work environment where I can utilize my skills and knowledge efficiently for institutional growth. Moreover inspire others to obtain knowledge and leadership in my field of expertise. I believe that my technical, functional and communication skills will enable me to face the challenging career ahead.

FIELDS OF SPECIALIZATION

Instrumentation Engineering, Design, Commissioning and Management of EPC & ESD units, VLSI Design, Construction Engineering specialist (Electronics & Instrumentation), Adaptive control, Mounting designs or Hook up of instruments, Execution of Building Management System with Safety features.

CURRENT DESIGNATION

Assistant Professor and research wing head, Department of Electronics and Communication Engineering, MEA Engineering College, Perinthalmanna.

EDUCATION

- | | | |
|-------------|--|------------------|
| Ph.D | Electronics and Instrumentation | (2019-continues) |
| | Noorul Islam Centre for Higher Education, Kanyakumari, Taminadu | |
| M.E. | Applied Electronics (CGPA 7.41) | 2015 |
| | SSM College of Engineering, Erode, Affiliated to Anna University - Chennai, India | |
| | On-chip structure for Timing Uncertainty Measurement Induced by Noise in Integrated Circuits | |
| | Supervisor: Dr. Jagan Pradeep | |

B.E. Electronics and Instrumentation Engineering (First Class with 75%) AMS Engineering College, Namakkal, India Online blending of motor spirit using DCS.	2006
Plus 2 Science (First Class with 72%) Government Boys Higher Secondary School, Manjeri	2002
THSLC Electronics (TV Maintenance and Repair)(First Class with 81.4%) Technical High School, Manjeri	2000

HONORS AND AWARDS

Faculty Award Awarded by IEEE students chapter ,MEA engineering college ,Perinthalmanna	2017
Faculty Award Awarded by MEA chapter	2016
Faculty Award for Best alumni logo design Awarded by MEA chapter	2015
Leader ,Rapid Energy Saving Wing at Pentair Water US MNC Nominated as leader for Research in energy saving programs	2011
Best Employee (out side support) of the Month,January Awarded by Maclellan Integrated services,Goa	2011
Best Safety personnel award Awarded by SABIC ,Saudi Kayan Polycarbonate Project,KSA	2009
Second prize in QUIZ competition Awarded by AMS Engineering College	2005
Upper Secondary Scholar ship Awarded Kerala Government	1997
Lower secondary scholarship Awarded Kerala Government	1994

RESEARCH AND PROFESSIONAL EXPERIENCE

MEA Engineering College, Perinthalmanna, India <i>Assistant Professor, ECE</i>	08/2012 – till date
✧ □ Taught courses for both B.E and M.E students of Electronics and Communication Engineering department for both B.E and M.E students.	
✧ □ Carried out industrial consultancy works.	

Industry consultant (managerial level)

(04/2007 – 07/2008 & 02/2010-07/2012)

Companies: CIPLA PHARMA and PENTAIR WATER US MNC), Goa, India

Some of the key achievements of work

- ✧ Building Management System installation at CIPLA Pharmaceuticals.
- ✧ Sensor calibration (Pressure, Temperature and Humidity sensors) and installation of Critical areas like Inside of Air handling unit(AHU).
- ✧ Familiar with HART communicator, JOEFRA calibrator and Scandura workbench
- ✧ Preparation of USFDA audit documents.
- ✧ Chiller automation at Utility side.(live wire system using variable frequency Drives (VFD)
- ✧ Training conducted for apprentices with live systems(closed loop system functions of the engineering side of pharma industry)
- ✧ Project attorney for energy saving wing (use of thermo graphic survey and trouble Shooting of live wire electrical systems.
- ✧ Carried out VFD project for different heavy duty motors.
- ✧ Critical field Sensor (RTDs) installations on blow moulding machine.
- ✧ Live operational sensor and servomotor installation in reverse osmosis plant.
- ✧ Installation of ABB PLC in hydro and painting stations.
- ✧ Installation of labview systems with clients at the plant during commissioning.
- ✧ Installation of Siemens lathe and surface grinding machines with clients during Commissioning
- ✧ Installation of heating cycle software for winding machinery

Al-Suwaidi Industrial Services, Al-Jubail, KSA

08/2008 – 01/2010

Instrument Engineer

- ✧ *Cable laying through trench and bended PVC conduits based on drawings.*
- ✧ Instrumentation layout design execution for supports, transmitters, Junction boxes and Cables based on site situation.
- ✧ Assurance of material availability with communication of procurement.
- ✧ Design of cable tray work according to site situation.
- ✧ Calibration and loop checking of Instruments.
- ✧ Application of HART communicator for loop checking.
- ✧ Commissioning of PLC and DCS (Invensys).
- ✧ Control room operation of PLC and DCS
- ✧ Control room terminal looping for automation.

Govt.Women's Polytechnic Kottakal, Kerala ,India

06/2006—03/2007

Guest Lecturer

- ✧ Taught various Electronics subjects.
- ✧ Deriving inspirations for experimental designs for re-configurable embedded systems.
- ✧ Executed real time projects.Co-ordinated grading and labs with a team of a lecturer and a lab assistant.

INDUSTRIAL CONSULTANCY SERVICES

Thermograph survey System 2012

- Using thermo graphic reader ,Check heat energy loss area and find solutions as well.

Embedded Digital Camera-based Surveillance System 2013

- Implementation of an embedded digital camera with SD card storage for use in surveillance systems.

Embedded SD/MMC Card Interface 2013

- Implementation of an embedded interface for SD/MMC card system for use in embedded systems.

RF-based Home Appliance Control & Regulation 2015

- Implementation of an embedded RF-based transmitting unit and receiving unit for controlling and regulating home appliances.

Embedded Camera Interface 2015

- Implementation of an embedded interface for serial camera system for use in embedded systems.

Vehicle Tracking and Location-based Accident Mitigation System 2015

- Design and implementation of an embedded unit for vehicle tracking and accident mitigation system developed.

Lorry Weight Monitoring System 2015

- Designed and developed an 8051 Microcontroller, load-cell and GSM-based system for detecting the weight change in lorries and indicating via an SMS.

COURSES TAUGHT

GWPTC,Kottakal 06/2006 – 05/2007

- Microprocessors and Microcontrollers** for Dip. Electronics and Communication Engineering
- Basic electronics engineering** for Dip. Electronics and Communication Engineering
- Linear Integrated circuits** for Dip. Electronics and Communication Engineering
- Instrumentation engineering** for Dip.Electronics and Instrumentation Engineering.
- Power Plant engineering** for Dip.Electronics and Instrumentation Engineering.

MEA Engineering College, India 03/2012 – TILL

- Biomedical instrumentation** for B.E. Electronics and Communication Engineering
- VLSI Design** for B.E. Electronics and Communication Engineering
- Embedded Systems** for B.E. Electronics and Communication Engineering
- Linear Integrated circuits** for B.E. Electronics and Communication Engineering
- Electronic Circuits** for B.E. Electronics and Communication Engineering
- Microprocessors and Microcontrollers** for B.E. Electronics and Communication Engineering.
- Basic Electrical networks** for B.E Electrical and Electronics engineering
- Industrial Ethics and Engineering** for B.E Mechanical Engineering
- Basics of Mechatronics engineering** for B.E Mechanical engineering

JOURNAL PUBLICATIONS

1. **Praveen P N, Jagan Pradeep**, "On-Chip Structure for Timing Uncertainty Measurement Induced by Noise in Integrated Circuits", INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ELECTRICAL, ELECTRONICS AND INSTRUMENTATION ENGINEERING, Volume 4, Special Issue 3, June 2015, ISSN (Online): 2278 – 8875 ISSN (Print): 2320 - 3765.
2. **Praveen P N, Shibila U** "Detection of black hole and greyhole attacks along with wormhole attacks in wireless sensor networks."

THESIS DETAILS

M.E. (Applied Electronics) Thesis

Title: On-Chip Structure for Timing Uncertainty Measurement Induced by Noise in Integrated Circuits (VLSI)

In this thesis, PSN sensor architecture has been proposed. The proposed architecture addresses on-chip adaptation less time consumption for instruction execution. It is targeted at high-throughput in less time. Introduction of new algorithm brings ease of execution of Instructions.

B.E. (Electronics and Instrumentation Engineering) Thesis

Title: Online blending of motor spirit using DCS

The Online blending of motor spirit using DCS done by the software BOSS. It is extremely complex to estimate the percentage of mixing values of different stage products of cracking of petroleum., an instrumentational analysis only give reference values of each constituent.

LINGUISTIC SKILLS

Malayalam, Tamil, Hindi, English: Fluent in reading, writing and conversing.

PERSONAL DETAILS

Date of Birth : 29 – May – 1985
Nationality : Indian
Gender : Male
Marital Status : Married
Passport Number : P2334778

DECLARATION:

I hereby declare that, all the above particulars are true to the best of my knowledge and belief.



PRAVEEN.P.NAMBISSAN