

<b>Name of Faculty</b>	S SUGANTHI AMUDHAN
<b>Designation</b>	Assistant Professor
<b>Email id</b>	suganthi.ec@bitseducampus.ac.in
<b>Contact number</b>	9974621419
<b>Total Experience</b>	
<b>Teaching</b>	15 years 06 months
<b>Industry</b>	NIL
<b>Professional Summary</b>	Working as Assistant Professor in Babaria Institute of Technology, Varnama since 2007 & Life Time member of ISTE. Worked as a lecturer in Hindustan college of Aeronautical Engineering, Vadodara for 9 months (Dec 2003 to Sep 2004). Worked as Instructor/Programmer of IBM AS/400 for a year at Savant Technologies Pvt Ltd, Chennai (Dec 2000 to Nov 2001). Worked as a lecturer in St. Peters Engg. College, Avadi, Chennai in June 1997- May 1999.
<b>Current Activities</b>	Identifying student projects that can receive grants, prizes in competition & guiding them for the same. Guiding students in filing patents thru registered agencies. Department Exam Coordinator activities.
<b>Specialization Areas</b>	Embedded Systems, Artificial Intelligence.
<b>Subject Taught (UG/PG)</b>	Microprocessors & Interfacing Microcontrollers & Interfacing Advanced Microprocessors Embedded System Introduction to Artificial Intelligence & Embedded Wireless Technologies (PG).
<b>Qualifications</b>	PhD (Embedded Control) (Pursuing) C.U. Shah University, Surendranagar, Gujarat.  M.E (Automatic Control & Robotics) (2008) (First Class) M.S. University, Vadodara, Gujarat.  M.B.A (Human Resources & Development) (2000) (First Class) Bharathidasan University, Trichirapalli, Tamilnadu.  B.E (Electronics & Communication Engineering) (1996) (First Class) Bharathiar University, Coimbatore, Tamilnadu.
<b>Skills</b>	Done software course (MS Office, Sybase, Oracle, Visual Basic, Operating System basics of UNIX) for an year in NIIT, Chennai. Completed course on IBM AS/400 from Pentasoft, Chennai. Proficiency in Matlab, Scilab, KEIL IDE, IAR Workbench, Arduino IDE & Code Composer Studio.
<b>Achievements</b>	Received second prize for paper presentation "Linkage Learning Using Marginal Product Model in ECGA" in Networking Technology & Applications NTA-2008 at Vasvik Auditorium (Research Category) in IETE & IE(I), Vadodara (2008). Appreciation certificate from Spoken Tutorials, IIT Bombay for successfully conducting series of workshops at BITS Edu Campus.

**Research Project**

Nil

**Publications**

1. "Linkage Learning Using Marginal Product Model in ECGA" in Networking Technology & Applications NTA-2008 at Vasvik Auditorium, Race Course, IETE Vadodara & IE(I) Vadodara on 20th April 2008.
2. "Genetic Tuning of an FLC using characteristic parameters" in National workshop on Non- linear & variable structure control system(NVSC 2008)at ADIT, V.V,Nagar on 19th April 2008

**Activities and honours**

- Expert Talk delivered in workshop "Experiments of IOT" for Electronics & Communication Engineering students of Babaria Institute of Technology on 2nd March 2019.
- Organised training sessions of Python,PHP/SQL,SCILAB,LaTeX under the guidance of Open source Technologies Club(OSTC),IIT Bombay in Babaria Institute of Technology for students of all branches & staff in the span of 5 years(2011-2016).
- Worked as main coordinator in "Renewable Energy for Sustainability" By Solar Energy Society of India at BITS Edu campus, Varnama on 13-14 Feb, 2015.
- Judged Events of "Electronics & ICT:"Marching towards Smart Society" at ADIT, V.V.Nagar on 24<sup>th</sup> Jan 2015.
- Organised SCILAB Workshop by Spoken Project Tutorial-IIT Bombay at BITS Edu Campus, Varnama on 11<sup>th</sup> July 2014.
- Organised Linux Workshop by Spoken Project Tutorial-IIT Bombay for staff, BITS Edu Campus, Varnama, 13th Feb 2014.
- Coordinated workshop "ArdYouKnowledge" for students of Babaria Institute of Technology on 30<sup>th</sup> & 31<sup>st</sup> Jan 2014.
- Organised "Programmable System On Chip" for students of Babaria Institute of Technology on 19<sup>th</sup> Oct 2013.
- Attended "Recent Trends in Power Electronics & Embedded System" at BITS Edu Campus, Varnama on 4<sup>th</sup> & 5<sup>th</sup> Jan 2019.
- Participated in "IEEE Xplore Digital Library Awareness Workshop" at BITS Edu Campus, Varnama on 7<sup>th</sup> Aug 2015.
- Attended "Faculty development program on AVR Microcontroller" at GTU, Ahmedabad on 17<sup>th</sup> July 2015.
- Attended GUJCOST sponsored workshop "Electronic circuit Simulation using "SEQUEL" at Babaria Institute of Technology on 8<sup>th</sup> & 9<sup>th</sup> May 2015.

- Participated in one week “LINUX & Raspberry Pi” workshop at Parul Institute of Technology 10-14 Nov 2014.
- Attended “Embedded System Design” training conducted by GTU Ahmedabad on 30<sup>th</sup> June 2014.
- Attended Faculty training program on nuvoton NuMicro ARM cortex M) and its applications at GTU, Ahmedabad in 18<sup>th</sup> & 19<sup>th</sup> Jan,2014.
- Attended Symposium on “Eradicating Classroom Boundaries in Effective Teaching” at BITS Edu Campus on 2<sup>nd</sup> Jan 2014.
- Presented Poster titled “Advanced Locking System with Virtual Keypad” in International Workshop on Sensor Network and Wireless Communication (SNWC2013) from 9<sup>th</sup> to 11<sup>th</sup> Oct 2013.
- Participated in “Developing student friendly approach among teachers with ICT” at BITS Edu Campus in 4<sup>th</sup> Jul 2013.
- Attended “Patent Search Methodology” conducted by GTU,Ahmedabad on 20<sup>th</sup> October, 2012.
- Attended one week FDP on “Smart Controllers” organised by M.S. University,Vadodara on 21-25 Aug, 2012.
- Attended one week FDP on “Embedded Systems and VLSI Design” organised by M.S. University,Vadodara on 11-15 April ,2012.
- Attended workshop on Recent Trends in Embedded System & Its Applications at SVIT,Vasad on 1-3 Jan, 2009.

**Grant Received**

NIL