

**Name:** Dr.M.Baskaran

**Designation:** Head of the Department

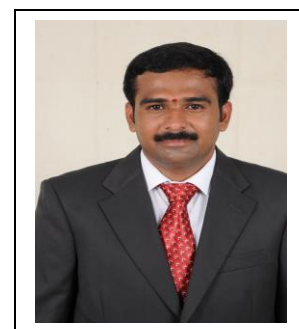
**Department:** Electronics and Communication Systems

**Qualification:** M.Sc., Ph.D.

**Experience:** Teaching: 15 Years

**Area of Specialization(s):** Embedded Systems, Solar Energy,

**Email (Official ID):** baskaran@ksgcollege.com



### AcademicQualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Electronics	Bharathiar University, Coimbatore.	2020
M. Sc.,	Applied Electronics	Sri Vasavi College (Self- Finance Wing), Erode.	2006
B.Sc.,	Electronics	Sri Vasavi College (Self- Finance Wing), Erode.	2001

### AdditionalQualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
-	-	-	-

### ResearchGuidance

Programme	No. of Scholars	
	Completed	Pursuing
-	-	-
-	-	-

### **Research Publications(Indexed)**

1. “ZnO NANOPARTICLES SYNTHESIS USING HYDROTHERMAL METHOD”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 6; Issue III; March 2018; pp.1150-1153; (ISSN: 2321-9653).
2. “AN IMPROVED HYDROTHERMALLY GROWN ZnO NANO RODS USING SOL-GEL DIP COATING METHOD FOR SOLAR APPLICATIONS”, Journal for Advanced Research in Applied Sciences (JARAS), Volume 5; Issue 1; January 2018; pp. 103-108; (ISSN: 2394-8442).
3. “INVESTIGATION OF STRUCTURE, MORPHOLOGY, OPTICAL AND LUMINESCENT PROPERTIES OF HYDROTHERMALLY GROWN ZNO NANORODS FOR PHOTOCATALYTIC APPLICATIONS”, International Journal for Science and Advance Research In Technology (IJSART), Volume 4; Issue 4; April 2018; pp. 2096-2100; (ISSN: 2395-1052).
4. “STRUCTURAL, MORPHOLOGICAL AND OPTICAL PROPERTIES OF ZnO NANORODS PREPARED BY HYDROTHERMAL METHOD”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume6; Issue XI; November 2018;pp.476-480;(ISSN No.2321-9653).
5. “STUDY OF STRUCTURAL, MORPHOLOGICAL AND OPTICAL PROPERTIES OF HYDROTHERMALLY GROWN ZnO NANORODS SYNTHESIZED BY SOL-GEL”, Suraj Punj Journal for Multidisciplinary Research, Special Issue, pp.1-4, February 2019.(ISSN No.23-94-2886).

### **Presentations in Conference**

1. “MEMS OPTICAL SWITCHING TECHNOLOGY” National Level Technical Symposium, Conducted by Department of Electronics and Communication Systems, AJK College of Arts and Science, Coimbatore on 6<sup>th</sup> March 2013.
2. “NETWORK SECURITY AND CRPTOGRAPHY” National level seminar on Embeded Systems and Technology, Conducted by Department of Electronics and Communication Systems, AJK College of Arts and Science, Coimbatore on 26<sup>th</sup> & 27<sup>th</sup> February 2014.
3. “DESIGN AND IMPLEMENTATION OF EMBEDDED WEB SERVER THROUGH TCP/IP PROTOCOL” National Conference on Innovative Trends in Information Technology organized by Department of Information Technology, Sri Vasavi College (Self- Finance Wing),Erode on 05<sup>th</sup> March 2016.
4. “EFFECTS OF LOW PREHEATING TEMPERATURE FOR ZnO SEED LAYER DEPOSITED BY SOL-GEL DIP COATING ON THE STRUCTURAL PROPERTIES OF HYDROTHERMAL ZNO NANORODS”, International Conference on Advanced Functional

Materials for Energy, Environment and biomedical Application (AFMEEB-2017) organized by Madurai Kamaraj University, Madurai on 11<sup>th</sup>& 12<sup>th</sup> December 2017.

5. "PREPARATION AND CHARACTERIZATION OF NEBULIZER SPRAYED DOPED AND UNDOPED ZnO THIN FILMS FOR GAS SENSING APPLICATION", National Conference on "Higher Energy Physics" organized by the Department of Physics, P.K.R. Arts College for Women, Gobi on 20<sup>th</sup> December 2017.
6. "STUDY OF STRUCTURAL, MORPHOLOGICAL AND OPTICAL PROPERTIES OF HYDROTHERMALLY GROWN ZnO NANORODS SYNTHESIZED BY SOL-GEL" National Conference on "Recent Trends in Electronics" Organized by the Department of Electronics and Communication Systems, Selvam Arts and Science(Autonomus), Namakkal on 20<sup>th</sup> Feb 2019.

#### **Participation in Seminars**

1. "Embedded Systems and Technology", Conducted by Department of Electronics and Communication Systems, AJK College of Arts and Science, Coimbatore on 26<sup>th</sup> & 27<sup>th</sup> February 2014.

#### **Participation in Workshop**

1. "ART OF WRITING AND PUBLISHING EFFECTIVE RESEARCH PAPER IN JOURNALS AND CONFERENCES", Department of Computer Technology, Kongu Engineering College, Perundurai, Erode on 13 August 2016.
2. "INTERNET OF THINGS (IoT) USING TI CC3200 – 32 MICROCONTROLLER INTERNET ON CHIP" PSG College of Arts and Science, Coimbatore on 30<sup>th</sup> september and 1<sup>st</sup> October 2016.

#### **Participation in Faculty Development Programme**

1. "FOR BETTER ACADEMIA", KSG College of Arts and Science, Coimbatore, 1<sup>st</sup> August 2014.
2. "ACADEMIC AND ADMINISTRATION AUDIT", AJK College of Arts and Science, Coimbatore, 12<sup>th</sup> February 2016.
3. "REVISED NAAC ACCREDITATION GUIDELINES", Conducted by School of Computer Science and IT, Jain Deemed to be University on 1<sup>st</sup> June to 5<sup>th</sup> June 2021.

#### **Conference / Seminar / Workshop Organized**

1. Convener, State Level Seminar and Competition on "RECENT DEVELOPMENTS IN MICROCONTROLLER AND EMBEDDED SYSTEMS", KSG College of Arts and Science, Coimbatore, 15<sup>th</sup> and 16<sup>th</sup> September 2010.
2. Convener, National Level Seminar on "ELECTRONICS EVERYWHERE", KSG College of Arts and Science, Coimbatore, 10<sup>th</sup> and 11<sup>th</sup> August 2011.

**Invited Speaker / Session Chair / Member Organizing Committee - Conference / Seminar / Workshop**

Invited Speaker, Guest lecture on “EMBEDDED SYSTEM”, Sri Vasavi College (Self- Finance Wing), Erode.,  
25-Aug-16

**Member in BoS**

Board of Electronics, Bharathiar University, Coimbatore, 2013-2015.

Board of Electronics, Bharathiar University, Coimbatore, 2020-2022.

**Membership in Professional Bodies**

Name of the Professional Body	Nature of membership	Duration
Bharathiar University	Senate Member	2016-2019 (3 Years)

**Text Books Published**

Name of the Book	Published by	Year
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