# **RESUME**



## PERSONAL INFORMATION

NAME : Dr. M. KESAVAN, M.SC., PGDCA, M. Phil., Ph.D.

**ADDRESS FOR COMMUNICATION:** Guest Lecturer

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## **ACADEMIC QUALIFICATION**

S.NO	DEGREE	SUBJECT	COLLEGE/UNIVERSITY/BOARD	
1	Ph.D.	ELECTRONICS	GOVERNMENT ARTS COLLEGE, KULITHALAI (BHARATHIDASAN UNIVERSITY, TRICHY)	
2	M.PHIL	ELECTRONICS	SNR & SONS COLLEGE COIMBATORE (BHARATHIAR UNIVERSITY, COIMBATORE)	
3	M.SC	ELECTRONICS	THANTHAI HANS ROEVER COLLEGE, PERAMBALUR (BHARATHIDASAN UNIVERSITY, TRICHY)	
4	PGDCA	COMPUTER APPLICATIONS	JEYALAKMI INSTITUTE OF TECHNOLOGY (Industrial Institute Certificate), TRICEM, TN	
5	B.SC	ELECTRONICS	GOVERNMENT ARTS COLLEGE, PARAMAKKUDI ( MADURAI KAMARAJ UNIVERSITY, MADURAI)	
6	HSC	BIO MATHS	GOVERNMENT HIGER SECONDARY SCHOOL PARTHIBANUR (STATE BOARD)	
7	SSLC		GOVERNMENT HIGER SECONDARY SCHOOL PARTHIBANUR (STATE BOARD)	

#### **WORKING EXPERIENCE**

S.NO	DESIGNATION	INSTITUTION	YEAR
		P.T.M.T.M College, Kamuthi	04.07.2005 To 31.07.2006
1	Lecturer		
		Government Arts College, Paramakudi	31.07.2008 To Till Date
2	<b>Guest Lecturer</b>		

#### **BOARD MEMBER**

- 1. Alagappa Universty- M.Phil Electronics Research board of studies member
- 2. Manonmanium Sundaranar University, B.sc Electronics board of studies member

## **<u>LIST OF PUBLICATIONS</u>** (Peer – Reviewed Publications)

- 1. **M. Kesavan**, K. Rajendran, P. Anbarasu, Arul raj, Anandaganesh, D.Jeyakumar and M. Ramesh, "Performance of dye-sensitized solar cells employing polymer gel as an electrolyte and the influence of nano-porous materials as fillers", in journals of Material Research Express in press, 2018, 5, 11,115305, <a href="https://doi.org/10.1088/2053-1591/aade2a">https://doi.org/10.1088/2053-1591/aade2a</a>
- 2. M. Kesavan, Arul raj, K. Rajendran, P. Anbarasu, Sannasi, D. Jeyakumar and M. Ramesh, "Performance of cross-linked polymers based gel electrolyte in the fabrication of quasi-solid state dye-sensitized solar cells", in journals of Material Research Innovations, 2018, 1-7, <a href="https://doi.org/10.1080/14328917.2018.1537105">https://doi.org/10.1080/14328917.2018.1537105</a>
- 3. M. Kesavan, K. Rajendran, P. Anbarasu, "Fabricated for dye sensitized solar cells using polyethylene oxide blended polymers based gel electrolyte", journals of international journals of research(IJR), Vol-05, Issue 12, April 2018. E-ISSN: 2348-6848 P-I SSN: 2348-795X, <a href="https://edupediapublications.org/journals">https://edupediapublications.org/journals</a>
- **4. M. Kesavan**, A. Mahendraprabhu, "Design the cost effective circuit diagram of speed control of stepper motor using AT89C51 microcontroller", in international journals of research and analytical reviews, 2022, vol-09, Issue-4. **E-ISSN 2348-1269**, **P-ISSN 2349-5138**
- **5. M. Kesavan,** V. Sannasi, M. Kathiresan, M. Ramesh, "Metal-organic framework (**Mn-BTC MOF**) incorporated polymer gel electrolytes for dye sensitized solar cell: preparation and device performances", in journals of Bulletin Material Science, 2023, 1 8, 46:90. <a href="https://doi.org/10.1007/s12034-023-02924-4">https://doi.org/10.1007/s12034-023-02924-4</a>

- **6. M. Kesavan**, S. S. Saravanakumar, M. Subramonia Pillai, "Performance of Pulse Oximeter Circuit for Heart-Rate Counting and Interfacing with Microcontroller", in A Journal Of Composition Theory, 2024, Volume XVII, Issue II, 113 121. **ISSN: 0731-6755**, https://DOI:24.18001.AJCT.2024.V1712.24.5311
- M. Kesavan, S. S. Saravanakumar, K. Rajendran, P. Anbarasu, "Implementation of PIC18F87J10 Microcontroller using Embedded Webserver" Foundry Journal, Volume 28 Issue 1, 69 –77. ISSN: 1001-4977.

### CONFERENCE PRESENTATIONS/ PARTICIPATED

- M. Kesavan, K. Rajendran, P. Anbarasu, "Survey on TiO<sub>2</sub> Based DSSC Solar Cell", International Conference on Recent Advancements in Advanced Material – PHYIM 2016, during 19<sup>th</sup> & 20<sup>th</sup> September 2016, Organized by Department Of Physics, Ananda College, Devakottai-630 303, India.
- M. Kesavan, K. Rajendran, P. Anbarasu, "TiO<sub>2</sub> based composite layer formed in Anode using (DSSC) Solar Cells", National Seminar on 'Advanced Materials Research' (AMR-2017), for the period of 19<sup>th</sup> January 2017, Organized by Department of Physics, Alagappa University, Karaikudi-630 003, India
- 3. **M. Kesavan**, K. Rajendran, P. Anbarasu, "Fabricated for dye sensitized solar cells using polyethylene oxide blended polymers based gel electrolyte", National Conference on Recent Trends in Electronics (NCRE- 2018), during 8<sup>th</sup> & 9<sup>th</sup> January 2018, Organized by Department of Electronics, St. Joseph's College, Tiruchirappalli-620 002, India.
- 4. Participated in the "INTERNATIONAL WEBINAR ON INNOVATIVE RESEARCH IN CHEMICAL SCIENCES" Organized by PG & Research Department of Chemistry of Government Arts College, Trichy-22, Tamil Nadu on July July 10th ,2021
- Participated in the Webinar on "ADVANCED TEXT PROCESSING USING LATEX", Organized by PG & Research Department of Physics, Electronics and Electronic circuit Designer of Seethalaxmi Ramaswami College, Thiruchirapalli, on 27. 06. 2020.

### **PUBLISHED BOOKS**

## **Applications and Design with Analogic's**

Author: KESAVAN (M)

Copies available for loan: Connemara Public Library (1) Call Number: 621.381957 KES Accession Number: 679380 Actions: Reserve

## **Basic Electronics**

Author: KESAVAN (M)

Copies available for loan: Connemara Public Library (1) Call Number: 621.381 KES Accession Number: 679382 Actions: Reserve

## PIC Microcontrollers (GPC)

Author: KESAVAN (M) .

Copies available for loan: Connemara Public Library (1) Call Number: 621.381952 MIC Accession Number: 679381 Actions: Reserve

#### FACULTY DEVELOPMENT PROGRAM (FDP)

- 1. AICTE Training and Learning (ATAL) Academy Faculty Development Program on Unveiling New Avenues in the Design of Next Generation Semiconductor Devices at KGISL INSTITUTE OF TECHNOLOGY from 18/12/2023 to 23/12/2023.
- 2. Artificial Intelligence on January 22th 2024 to February 21th 2024 conducted by Novi Tech R&D Private Limited, Coimbatore.

#### EMBEDDED SYSTEM PROGRAM

Orgin 8, EC Lab Analysis, Assemble Language: C and C++, Embedded C, : Keil Vision, Arduino C, Micro Pro C, Material Simulated Software and MATLAB and Python

### **RESEARCH AREA** (RA)

Solar cell, Lithium Ion Batteries, Electrolyte, Strip Short Antennas, Photovoltaic Transistor, and Microcontroller based Embedded System Design, Bioelectronics and Biomedical, RF Modules, Sensor, IOT, Organic and Dye Sensitized Solar Cell.

#### **DECLARATION**

I hereby declare that all the above information provided are the true and the best of my knowledge.

Yours faithfully,

Place: Paramakudi.

Date : 03. 03. 2025 (M. KESAVAN)