

# K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### FACULTY PROFILE

- 01. Name** : Dr. A.VELLIANGIRI  
**02. Designation** : ASSISTANT PROFESSOR  
**03. Date of Birth** : 30.06.1980  
**04. Date of Joining** : 02.06.2008  
**05. Qualification & Designation** :



	At the time of Joining	Present
Qualification	M.E	Ph.D
Designation	LECTURER	ASSISTANT PROFESSOR

**06. Specialization** : Embedded System

**07. Area of Interest** : Embedded Systems & Energy Management

**08. Experience & Promotion Details (Chronological):**

SL.No.	Name of the Organization	Designation	Period	
			From	To
1.	K.S.R. College of Engineering	Assistant Professor	01.07.2010	Till date
2.	K.S.R. College of Engineering	Lecturer	02.06.2008	30.06.2010

**09. Publication Details:-**

	National Level*		International Level*	
	Journal(s)	Conference(s)	Journal(s)	Conference(s)
KSRCE	NIL	06	06	07
Others	NIL	01	NIL	NIL

**\*-Annexure**

**10. Details of Proposal**

Sl.No	Title of the Proposal	Funding Agency Details	Date & Duration	Status
1	Embedded C Programming Using PIC16F Microcontroller and ARM7 Processor	Indian Society for Technical Education (ISTE), New Delhi.	04.06.2012 to 08.06.2012	Not Sanctioned
2	Sensor Network for Agricultural Development and Monitoring	AICTE (ATAL FDP)	12-12-2022 to 23-12-2022	Not Sanctioned
3.	PMKVY 4.0 – CSCM STT – Skill Hub Initiative	NSDC (PMKVY)	June 2023 to March 2024	Sanctioned

4.	Project Proposal on “Inclusive Technology Business Incubator ITBI”	Ministry of Science and Technology, Government of India.	July 2023 – June 2026 (3 Years)	Not Sanctioned
5.	Proposal for Science and Technology Project Scheme	Tamilnadu State Council for Science and Technology (TNSCST)	Sep 2023 to Aug 2025 (2 Years)	Not Sanctioned

#### 11. Details of Winter/Summer Schools Attended

Sl.No	Name of the programme	Organized by	Duration
1.	Instructional Design & Delivery.	K.S.R. College of Engineering	08.09.2008 To 13.09.2008
2.	Research and Reconfigurable Embedded System for Medical Science.	KSR Institute for Engineering and Technology.	06.05.2013 To 16.05.2013
3.	Seven days FDTP on “EC6801 – Wireless Communication”	M.Kumarasamy College of Engineering, Karur.	19.12.2016 To 25.12.2016
4.	FDP On Game Pedagogy in Outcome Based Education	K.C.College of Engineering & Management Studies & Research, Thane.	11.06.2020 To 12.06.2020
5.	Digital Teaching Techniques	ICT Academy	29.06.2020 To 04.07.2020
6.	FDP on Recent Trends in Electronics & Communication	Balaji Institute of Technology and Science, Warangal.	13.07.2020 To 18.07.2020
7.	STTP on the Technical Education for Rural Development	AICTE & Government Engineering College, Hassan.	10.12.2020 To 15.12.2020
8.	ATAL FDP on “Outcome Based Education”	AICTE and Engineering College, Bikaner	26.07.2021 To 30.07.2021
9.	ATAL FDP on “Embedded Design and Development using Free / Open Source Tools”	AICTE and Centre for Development of Advanced Computing.	09.08.2021 To 13.08.2021
10.	ATAL FDP on “Sensor Technology”	AICTE and K.S.R.College of Engineering	04.10.2021 To 08.10.2021
11.	FDP on “ Design and Development of Industry led Curriculum in Technological Era”	AMET University	14.12.2022 To 22.12.2022
12.	Two Week National level workshop on “Advanced Research Methodology”	SRM Institute of Science and Technology, Ramapuram.	03.07.2023 To 18.07.2023
13.	NEP 2020 Orientation & Sensitization Programme	UGC- Malaviya Mission Teacher Training Centre, Bharathidasan University, Trichy	22.01.2024 to 31.01.2024

## 12. Details of Workshops/ Seminars Attended

Sl. No	Name of the programme	Organized by	Duration
1	ICSSR Sponsored National Seminar on “Renewable Energy Sector as Career Choice”	Department of EEE, K.S.R. College of Engineering.	02.03.2023 to 04.03.2023
2	Webinar on Basics of Artificial intelligence With MATLAB	K.S.Rngasamy college of Technology	04.11.2020
3	Big Data Trends & Opportunity	Thick ness learning Community	27.09.2020
4	Webinar on Low Power VLSI	Novi tech the innovation partner	29.08.2020
5	Webinar on raspberry pi for embedded systems	Balaji Institute of Technology and Science, Warangal.	14.08.2020
6	Webinar on Introduction to IoT and It’s Applications	K.S.R. College of Engineering.	27.06.2020
7	Webinar on question paper setting, OBE	Annasaheb Dange College of Engineering and Technology.	21.06.2020
8	Webinar on recent trends in embedded systems	C Cube Technologies.	20.06.2020
9	Webinar on NAAC Accreditation	Pune District Education Associations.	19.06.2020
10	Webinar on Application Design of brain computer interface	ADAMAS University	15.06.2020
11	Webinar on Cyber Security	K.S.R. College of Engineering.	14.06.2020
12	Webinar on Insight on Data Science for Engineers	R.M.K Engineering college, kavaraipettai, Tiruvallur	13.06.2020
13	J Gate - An Electronic Gateway for Research	K.S.R College of Engineering, Tiruchengode.	10.07.2019
14	How to Write High Impact Journal Papers	K.S.R College of Engineering, Tiruchengode.	10.08.2018
15	Microprocessors and Microcontrollers	NPTEL – IIT Kharagpur	Jan-Apr 2018
16	Programming in C++	NPTEL – IIT Kharagpur	Jul-Sep 2017
17	Didactic Seminar on Cadence Or CAD PSPICE and Or CAD PCB	Entuple Technologies and PSG College of Tech., CBE.	24.06.2015
18	Trusted Computing for Next Generation Embedded Systems	Erode Builders Educational Trusts Group of Institutions, Erode	20.09.2013 & 21.09.2013
19	Recent Trends in Low Power VLSI Design	JCT College of Engineering & Technology, Coimbatore	01.10.2012
20	Emerging Trends in Embedded Systems – Colliding Worlds of Hardware and Software	Coimbatore Institute of Technology, Coimbatore.	10.08.2012
21	Laptop Chip Level Servicing.	Sengunthar College of Engineering, Tiruchengode.	13.03.2012

22	RENESAS 16 Bit RL78 Microcontrollers.	Govt. College of Engineering, Salem.	01.03.2012
23	Reconfigurable Technologies and Its Applications.	Sona College of Technology, Salem.	29.10.2011
24	Emerging Security Challenges In Cyberspace.	PSG College of Technology, Coimbatore.	14.09.2011
25	“SkillEdge – OOPs Using C++” Conducted by ICT Academy.	Dr.NGP Institute of Technology, Coimbatore.	20.06.2011 & 21.06.2011
26	Design Trends In Deep Sub-Micron CMOS VLSI and EDA Tools.	Anna University, Coimbatore.	12.11.2009
27	Research Trends in Wireless Networks.	Easwari Engineering College, Chennai.	22.08.2009
28	Advancements in Digital Signal and Processing.	K.S.R College of Engineering, Tiruchengode.	30.02.2009
29	Emerging Trends in Embedded Controller and Its Application.	K.S.Rangasamy College Of Technology, Tiruchengode.	14.11.2008 & 15.11.2008
30	TCAD and IC-CAD Technologies and FPGA Design using SILVACO and TANNER Tools.	Muthayammal Engineering College, Rasipuram.	20.09.2008

### 13. Details of Winter/Summer Schools/Workshops/Seminars organized:

Sl. No	Name of the programme	Sponsored by	Acted as	Duration	Coordinator
1	Artificial Intelligence and Deep Learning using Python for Industrial Applications	AICTE	Coordinator	15.02.2021 to 20.02.2021	Dr.P.S.Periasamy Coordinator
2	Webinar on “LOW POWER VLSI”	NoviTech	Coordinator	29.08.2020	Dr.P.S.Periasamy (Convener)
3	Webinar on “Ways to Acquire and Retention of Job IT sector”	K.S.R College of Engineering	Coordinator	05.07.2020	Dr.P.S.Periasamy (Convener)
4	Work Shop on Journal Paper Writing and Preparation of Winner Research Proposal	K.S.R College of Engineering	Organizer	19.08.2015 & 20.08.2015	Dr.T.Palanisamy

5	National Level Work Shop on Blooms Taxonomy and Its Assessments.	K.S.R College of Engineering	Organizer	20.03.2015	Dr.T.Palanisamy
6	National Conference on Advanced Telecommunication Technologies.	K.S.R College of Engineering	Organizer	17.03.2010	Dr.P.S.Periasamy (Convener)

#### 14. Details of the Subjects Handled (in KSRCE):

Sl. No	Academic Year	Semesters	Name of the Subjects	Class	% of Pass
1.	2023-24	Even	Electronic Circuits	II-B.E ECE A	<b>In Progress</b>
			Manufacturing Practices(Group B)	I-ECE	
		Odd	Electronic Devices	II-BE ECE B	100
2.	2022-2023	Even	Constitution of India	I-ME (CS)	100
			Manufacturing Practices(Group B)	I-ECE (B)	100
			Operating Systems	IV-ECE	100
		Odd	Internetworking Multimedia	II-ME(CS)	100
			C++ and Data Structures Lab	II-ECE (A)	100
			C++ and Data Structures		93.86
3.	2021-2022	Even	Operating Systems	IV-ECE	100
			Manufacturing Practices(Group B)	I-ECE (A)	96.61
		Odd	Research Methodology and IPR	I-ME (CS)	100
			Internetworking Multimedia	II-ME(CS)	100
			C++ and Data Structures	II-ECE (A)	100
			C++ and Data Structures	II-ECE (B)	100
4.	2020-2021	Even	Microprocessors & Microcontrollers Lab	II ECE- B	98.57
		Odd	Research Methodology and IPR	I-ME (CS)	100
			Internetworking Multimedia	II-ME(CS)	100
			C++ and Data Structures	II ECE-A&B	97.10
			C++ and Data Structures Laboratory	II ECE-A&B	95.77

5.	2019-2020	Even	ARM System Architecture	III-ECE	100
			Embedded System Lab	III-ECE	100
		Odd	Research Methodology and IPR	I-ME (CS)	100
			Internetworking Multimedia	II-ME(CS)	100
			Manufacturing Practices(Group B)	I-ECE	100
			C++ and Data Structures (R18)	II-ECE	70.0
6.	2018-2019	Even	Microprocessor and its Applications	I-MCA	100
		Odd	Research Methodology and IPR	I-ME(CS)	100
			Manufacturing Practices(Group B)	I-ECE	96.55
7.	2017-2018	Even	Data Structures and Algorithms	II –EEE(B)	86.96
		Odd	Television Engineering	III-ECE (C)	94.29
8.	2016-2017	Even	C++ and Data Structures (R16)	I-ECE (A)	41.66
		Odd	C++ and Data Structures (R12)	II-ECE (A)	85.48
9.	2015-2016	Even	Microprocessors and Microcontrollers	II – ECE (B)	85.07
		Odd	C++ and Data Structures	II – ECE (A)	88.73
10.	2014-2015	Even	Microprocessors and Microcontrollers	II – ECE (A)	92.8
		Odd	C++ and Data Structures	II – ECE (B)	90.56
11.	2013-2014	Even	VLSI Technology	I-M.E (VLSI)	100
		Odd	C++ and Data Structures	II – ECE (A)	92.41
12.	2012 -2013	Even	Microcontrollers And RISC Architectures.	III – ECE (B)	98
		Odd	Data Structure & Object Oriented Programming in C++.	II – ECE (B)	83.82
13.	2011 -2012	Even	Microcontrollers And RISC Architectures.	III – ECE (A)	96.9
		Odd	Data Structure & Object Oriented Programming in C++.	II – ECE (A)	98.5
14.	2010-2011	Even	Microcontrollers And RISC Architectures.	III – ECE (B)	98.59
		Odd	Data Structure & Object Oriented Programming in C++.	II-ECE(A&B)	86.15
15.	2009-2010	Even	Embedded Systems.	IV- ECE (A)	96.92
			Embedded Networking.	I- M.E(EST)	100

		Odd	Data Structures & Object Oriented Programming in C++.	II – ECE (A)	84.9
			Advanced Embedded System-I	I-M.E (EST)	100
16.	2008-2009	Even	Embedded Systems.	IV-ECE (B)	98.43
		Odd	Principles of Digital Communication.	II - IT	90.9

#### 15. Additional Responsibilities:-

Sl. No	Details of Work	Work allotted by	Duration
1.	Class Advisor (PG)	Head of the Department	June 2008 to Jan. 2013
2.	VLSI & Embedded System Lab In charge	Head of the Department	June 2008 to May 2011
3.	Class Advisor (UG)	Head of the Department	June 2008 to May 2010
4.	Association Co- In charge	Head of the Department	June 2008 to June 2010
5.	ID Card Co- In charge	Principal	July 2009 to June 2010
6.	Class Committee Chair Person (I year ECE - B)	Head of the Department	July 2009 to Dec 2009
7.	Dept.Exam Coordinator	Principal	July 2010 to June 2012
8.	Class Committee Chair Person (I year ECE - B)	Head of the Department	Jan.2012 to June 2012
9.	Deputy Controller of Examinations	Principal	July 2012 to Till Date
10.	Printing of Academic Calendar	Principal	June 2012 to Till Date
11.	Students Feedback	Head of the Department	June 2021 to Till Date
12.	Mentor (14 students) 2022-2026 Batch	Head of the Department	July 2023 to Till Date

#### 16. Self-Appraisal

- 3 Major Strengths:
1. Positive attitude.
  2. Self Confident.
  3. Interested in Collaborative

- 3 Major Weaknesses:
1. Lack of interaction with industry.
  2. Prone to procrastination.
  3. Uncomfortable with delegating tasks to others.

**Signature**