K.S.R. COLLEGE OF ENGINEERING (Autonomous), TIRUCHENGODE – 637215

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY PROFILE

01. Name   : **M.JOTHIMANI**

02. Designation   : **ASSISTANT PROFESSOR**

03. Date of Birth   : **01.07.1981**

04. Date of Joining   : **01.06.2011**

05. Qualification & Designation   :

	At the time of Joining	At Present
Qualification	M.E.	M.E.
Designation	Assistant Professor	Assistant Professor

06. Specialization   : **VLSI Design**

07. Area of Interest   : **Image Processing**

08. Experience & Promotion Details (Chronological):

Sl.No.	Name of the Organization	Designation	Period From	Period To
1.	K.S.R. College of Engineering	Assistant Professor	01.06.2011	Till Date
2.	Velalar College of Engineering and Technology, Thindal	Assistant Professor	01.01.2011	31.05.2011
		Lecturer	22.06.2009	31.12.2010

09. Publication Details:

	National Level* Journal(s)	National Level* Conference(s)	International Level* Journal(s)	International Level* Conference(s)
KSRCE	-	04	07	04
Others	-	01	-	-

*Annexure

10. Details of Proposal:

Sl.No.	Title of the Proposal	Funding Agency Details	Date & Duration	Status
1.	STPS titled "Autonomous Fire Fighting Robot"	Tamilnadu State Council for Science and Technology, Chennai	12.08.2023	Applied

11. Details of Winter/Summer Schools Attended:

Sl.No.	Name of the programme	Organized by	Duration
1.	One-Week Short Term Training Programme (STTP) on "Recent Advancements in VLSI Modelling and IC Design"	SRM Institute of Science and Technology, Tiruchirappalli	24.07.2023 to 30.07.2023
2.	FDP on Teaching and Learning in Engineering (TALE)	NPTEL – AICTE	Jan – Feb 2023 (4 Weeks)
3.	FDP on Design and Development of Industry led Curriculum In Technological Era	AMET University	14.12.2022 to 22.12.2022
4.	Internship training on Python Made Simple (Basic & Advanced)	AICTE-INSPIRE	13.07.2022 to 13.08.2022
5.	International One Week Online Industrial Training Program On Trending Technology	Velalar College of Engineering and Technology, Erode	26.07.2021 to 01.08.2021
6.	AICTE STTP on "Design and Development of Engineering Applications using Free/Open Source Software (FOSS)"	Velalar College of Engineering and Technology, Erode	25.11.2019 to 30.11.2019
7.	FDP on Problem Solving and Programming in "C"	Amphisoft, Coimbatore	20.05.2019 to 24.05.2019
8.	STTP through ICT Mode on "NBA Accreditation"	NIT Teachers Training and Research, Kolkata	22.04.2019 to 26.04.2019
9.	FDP on EE8251 - Circuit Theory	K.S.R. College of Engineering	26.11.2018 to 08.12.2018
10.	FDP on EE6602 – Embedded Systems	Velalar College of Engineering and Technology, Erode	08.12.2017 to 15.12.2017
11.	FDP on EC6502 – Principles of Digital Signal Processing	K.S.R. Institute for Engineering and Technology	15.06.2017 to 16.06.2017
12.	FDP on Antenna and Wave Propagation	Velalar College of Engineering and Technology, Erode	16.12.2015 to 22.12.2015
13.	FDP on Digital Communication	Excel Engineering College	12.06.2015 to 19.06.2015
14.	FDP on Embedded Systems with ARM-7 Microcontrollers	Nandha Engineering College, Erode	27.05.2015 to 28.05.2015

12. Details of Workshops/ Seminars Attended:

Sl.No	Name of the programme	Organized by	Duration
1.	Technical Writing and Procedure for Patent Filing	K.S.R. College of Engineering	05.02.2020
2.	Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and Mapping Outcomes	K.S.R. Institute for Engineering and Technology	19.11.2019 to 21.11.2019
3.	How to Access e-Resources	K.S.R. College of Engineering	23.01.2019
4.	"Internet of Things: Challenges and Applications using Raspberry Pi Processor (IoT-CAR)"	K.S.R. College of Engineering	31.07.2017 to 01.08.2017
5.	Designing Website using Wordpress, Drupal & Joomla	K.S.Rangasamy Institute of Technology	30.12.2016
6.	Science Academies Lecture Workshop on Numerical Methods and Scientific Computing	K.S.Rangasamy College of Arts and Science	10.08.2016 to 12.08.2016
7.	Patent Filing in India and Other Countries	K.S.R. College of Engineering	08.08.2016
8.	Linear Integrated Circuits & Laboratory	EQIP Foundation, Coimbatore	09.12.2014 to 13.12.2014
9.	Computing Trends in Genetic Algorithms	Velalar College of Engineering and Technology, Erode	22.01.2014
10.	Signals & Systems	Indian Institute of Technology, Kharagpur	02.01.2014 to 12.01.2014
11.	Digital Signal Processing and System Design using labVIEW	Institute of Road and Transport Technology, Erode	31.07.2009

13. Details of Seminar/Guest Lecture Handled:

Sl.No	Name of the Programme	Topic	Organized by	Date
1.	Faculty Development Programme	EE6403-Discrete Time Systems and Signal Processing	Al-Ameen Engineering College, Erode	12.12.2016
2.	Faculty Development Programme Sponsored by IETE	EC6303 - Signals & Systems	Velalar College of Engineering and Technology, Erode	02.06.2016
3.	Guest Lecture	Discrete Time Systems and Signal Processing	Al-Ameen Engineering College, Erode	09.04.2016
4.	Guest Lecture	Digital Signal Processing	Al-Ameen Engineering College, Erode	29.03.2016
5.	TANGEDCO – Assistant Engineer Recruitment	Signals & Systems	K.S.R. Polytechnic College	27.01.2016
6.	Guest Lecture	Signals & Systems	Nandha College of Technology, Erode	08.08.2015
7.	Guest Lecture	Digital Signal Processing	Al-Ameen Engineering College, Erode	29.04.2015
8.	Faculty Development Programme Sponsored by Anna University	EC 2252 – Communication Theory	K.S.R. College of Engineering	05.12.2012

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

Sl.No	Academic Year	Semesters	Name of the Subject	Class	% of Pass
1.	2023-2024	ODD	RF and Microwave Engineering	IV ECE	Ongoing
2.			Speech and Audio Processing	II ME(CS)	Ongoing
3.	2022-2023	EVEN	Signals and Systems	II ECE	80.61
4.			Advanced Digital Signal Processing	I ME(CS)	Ongoing
5.		ODD	RF and Microwave Engineering	IV ECE	97.14
6.			Speech and Audio Processing	II ME(CS)	100
7.	2021-2022	EVEN	Signals and Systems	II ECE	74.44
8.			Advanced Digital Signal Processing	I ME(CS)	100
9.		ODD	Digital Signal Processing	III ECE	98.59
10.			Speech and Audio Processing	II ME(CS)	100
11.	2020-2021	EVEN	Signals and Systems	II ECE	100
12.			Advanced Digital Signal Processing	I ME(CS)	100
13.		ODD	Digital Signal Processing	III ECE	94.87
14.			Speech and Audio Processing	II ME(CS)	100
15.	2019-2020	EVEN	Signals and Systems	II ECE	100
16.			Advanced Digital Signal Processing	I ME(CS)	
17.		ODD	Fiber Optical Communication	IV ECE	100
18.			Speech and Audio Processing	II ME(CS)	100
19.	2018-2019	ODD	Computer Hardware and Interfacing	IV ECE	89.83
20.		EVEN	Analog Communication Systems	II ECE	77.27
21.			Advanced Digital Signal Processing	I ME(CS)	66.67
22.	2017-2018	ODD	Analog Communication Systems	III ECE	81.82
23.		EVEN	Analog Communication Systems	II ECE	98
24.			Microwave Engineering	III ECE	88.89
25.	2016-2017	ODD	Analog Communication Systems	III ECE	98.52
26.			Microwave Integrated Circuits	I ME(CS)	100
27.		EVEN	Microwave Engineering	III ECE	100
28.	2015-2016	ODD	Analog Communication Systems	III ECE	98.25
29.			Microwave Integrated Circuits	I ME(CS)	100
30.		EVEN	Microwave Engineering	III ECE	95.08
31.	2014-2015	ODD	RF and Microwave Engineering	IV ECE	62.68
32.			Analog Communication Systems	III ECE	85.07
33.		EVEN	Signals and Systems	II ECE	88.46
34.	2013-2014	ODD	Microwave Engineering	IV ECE	94.2
35.		EVEN	Signals and Systems	II ECE	78.46
36.	2012-2013	ODD	Microwave Engineering	IV ECE	80.95
37.		EVEN	Communication Theory	II ECE	76.11
38.	2011-2012	ODD	Microwave Engineering	IV ECE	94.28
39.		EVEN	Communication Theory	II ECE	97.05

15. Additional Responsibilities:

Sl.No	Details of Work	Work allotted by	Duration
1.	Mentor	Head of the Department	August 2019 to Till date
2.	Dept. Exam Co-ordinator	Head of the Department	November 2017 to Till date
3.	Website update	Principal	February 2012 to Till date
4.	Microwave Lab In-Charge	Head of the Department	January 2020 to Till date
5.	Class Advisor	Head of the Department	June 2011 to November 2017
6.	Microwave Lab In-Charge	Head of the Department	June 2011 to November 2017
7.	Dept. News letter	Head of the Department	July 2011 to June 2012

16. NPTEL Courses

Sl.No	Name of the Course	Duration	Status / Remarks
1.	Teaching and Learning in Engineering (TALE)	4 Weeks (Jan-Feb 2023)	Completed (66%)
2.	Introduction To Programming In C	8 Weeks (July-Sep 2017)	Completed (69%)

17. Self-Appraisal:

3 Major Strengths: 1. Versatile
                                 2. Dutiful
                                 3. Intellectual

3 Major Weaknesses:
                                 1. Sensitive
                                 2. Pardonable
                                 3. Endurance

Signature
[M.JOTHIMANI]

ANNEXURE
LIST OF PUBLICATIONS

International Journals:

1. **Jothimani M**, Dineshkumar T, Gowtham, Sethu B, Thirumurugan V "Water Quality Monitoring System Based On IOT", International Journal of New Innovations in Engineering and Technology, ISSN: 2319-6319, Volume 22, Issue 1, April 2023.

2. Dr.Poornima, Dr.Sathish Kumar T M, Veeramani R, Karuppanasamy K, Rameshkumar J, **Jothimani M**, Mahendran R "Solar Powered Floating Water Trash Collector", International Journal of Innovative Research In Technology (IJIRT), ISSN:2349-6002, Vol.8, Issue-8, January 2022.

3. R.Mahendran, C.Karthik, **M.Jothimani**, K.P.Uvarajan "Preventing Mirror Problem and Privacy Issues in Multistorage Area with Dimensionality Reduction", International Journal of Scientific Research and Engineering Development (IJRED), ISSN:2581-7175, Vol.2, Issue-5, Sep – Oct 2019.

4. **Mr. M. Jothimani**, Mr. K. Bhuvaneshwaran, Mr. N. S. Nikila, Mr. K. Venkatesh "Automatic Paper Quality Control Using Siemens PLC", International Journal of Advanced Science and Engineering Research ISSN: 2455-9288 Vol. 5, Issue-1, 2020.

5. Keerthana.N and **Jothimani.M** "Reduction of IOT Communication Barrier Problem Using Smart Phone SDRs", Imperial Journal of Interdisciplinary Research (IJIR), ISSN: 2454-1362, Vol.3, Issue-2, 2017.

6. Keerthana.S and **Jothimani.M** "Design and Analysis of Level Converting Flipflop for Low Power Application", International Journal of Applied Engineering Research, ISSN: 0973-4562, Vol.10, No. 25, 2015.

7. Nithya.A and **Jothimani.M** "Improving communication efficiency with adaptable transmissions for Uncoordinated WLANs", International Journal of Electronics and Computer Science Engineering, ISSN: 2277-1956, Vol.1, No. 2, pp.459-467, 2012.

National Journal: Nil

International Conferences:

1. M.Jothimani, "Water Quality Monitoring System Based on IoT", 7th International Conference on "Engineering Technology and Science" on 31.03.2023 held at Muthayammal College of Engineering, Rasipuram.

2. M.Jothimani, "Reduction of IoT Communication Barrier Problem Using Smart Phone SDRs", 4th International Conference on "Engineering Technology and Science" from 30.03.2017 to 31.03.2017 held at Muthayammal Engineering Institutions, Rasipuram.

3. M.Jothimani, "Design And Analysis of Level Converting Flip-Flop for low power Application", International Conference on "Advance Research and Innovation in Engineering, Science, Technology and Management" from 4th to 5th April 2015 held at ARS College of Engineering, Chennai.

4. M.Jothimani, "Reliability Assessment of Low power and Parametric Interruption Break Reduction in TSV Based 3D-ICs", International Conference on "Innovations in Information, Embedded and Communication Systems" from 13th to 14th March 2014 held at Karpagam College of Engineering, Coimbatore.

National Conferences:

1. M.Jothimani, "Fisherman Border Alert System", 6th National Conference on "Emerging Trends in Engineering & Technology" on 16th March 2019 held at Nandha College of Technology, Erode.

2. M.Jothimani, "Design and Implementation of Smart Speed Breaker", National Conference on "Innovation in Engineering & Technology" on 23rd March 2018 held at Narasu's Sarathy Institute of Technology, Salem.

3. M.Jothimani, "Boiler Conveyor and Air Flow Control", National Conference on "Innovations in Engineering Sciences and Management" on 24th March 2016 held at Shree Venkateshwara Hi-Tech Engineering College, Gobi.

4. M.Jothimani, "Reliability Assessment of Low power and Parametric Interruption Break Reduction in TSV(Through-Silicon-Via) Based 3D-ICs", 5th National Conference on "Recent Trends in Communication, Computation and Signal Processing 2014", from 26th to 27th February 2014 held at Amrita Vishwa Vidyapeetham University, Coimbatore.

5. M.Jothimani, "FPGA Design of Fast Lifting Wavelet Transform", Second National level conference on "Recent Advances in Communication Engineering – RACE'10", 27th March 2010, pp-38 held at Velalar College of Engineering and Technology, Erode.