

## Dr.R.SURESH BABU

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**CAREER OBJECTIVE:** To utilize my teaching skills to work innovatively for the enhancement and betterment of education and be a part of a progressive organization that gives scope to reach the pinnacle in the field of research with sheer determination, dedication and hard work.

### **ACADEMIC PROFILE:**

Qualification	Institution	University	Year of Passing	Marks (Percentage)/CGPA
Ph.D (Information & Communication)	Thiagaraja College of Engineering, Madurai	Anna University, Chennai	February 2014	<b>8.75(Distinction)</b>
M.E(Communication Systems)	Thiagaraja College of Engineering, Madurai	Anna University, Chennai	April 2004	<b>8.76(Distinction)</b>
M.B.A	Madurai Kamaraj University, Madurai	Madurai Kamaraj University	April 1996	61.3( <b>First Class</b> )
B.E (ECE)	The Indian Engineering college, Vadakkankulam	Madurai Kamaraj University	April 1992	71.5( <b>First Class</b> )

### **EXPERIENCE:**

Designation : Teaching/Research/Industry	From	To	No. of Years & Months
<b>Professor and Head</b>	<b>12.05.2018</b>	Till now	<b>4 years 7 Months</b>
Associate Professor and Head Senior Level (KCET, Virudhunagar)	01.07.2014	11.05.2018	3 years 11 months
Associate Professor and Head (KCET, Virudhunagar)	01.04.2011	30.06.2014	3 years 3 months
Assistant Professor(KCET, Virudhunagar)	01.04.2004	31.03.2011	7 years
Lecturer(KCET, Virudhunagar)	04.04.2001	30.03.2004	3 years
Associate Lecturer, Arasan Ganesan Polytechnic College, Sivakasi	19.8.1993	31.03.2001	7 years 7 months

Programmer / Data Entry Operations, We Two Fireworks Industries, Sivakasi (Arasan Group of Industries)	01.06.1992	18.08.1993	1 Year 2 Months
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## **PUBLICATIONS :**

### **A. Journals**

National 10 International 16\*  
 \*For latest refer Google scholar

- <https://scholar.google.com/citations?user=d83ceXgAAAAJ>

### **Reputed journals in which paper got published.**

- a) **Springer Publishers- Wireless Personal Communication - 2**
- b) **American Journal of Engineering and Applied Sciences**
- c) **European Journal of Scientific Research - Seychelles**
- d) **ICTACT Journal on Communication Technology Tamilnadu - India**
- e) **Journal Of Industrial Engineering And Research -IWNEST PUBLISHER – India - 3**
- f) **BMC Medical Informatics and Decision Making ,Springer Nature**
- g) **Multimedia Tools and Applications Springer US**
- h) **Fluctuation and Noise Letters- world scientific**
- i) **Tierärztliche Praxis – Germany**
- j) **Transactions Of The Institute Of Measurement And Control - SAGE Publication Ltd.England.**
- k) **Turkish Journal of Electrical Engineering & Computer Sciences - Published by the scientific and technological research council of Turkey**
- l) **Caribbean Journal of Science - College of Arts and Sciences of the University San Juan, USA**
- m) **International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) - ACE Publications, Chennai India -2**
- n) **International Journal of Advanced Engineering Technology - Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP) Bhopal (M.P.), India – 3**
- o) **International Journal of Computer Science and Mobile Computing - A Monthly Journal of Computer Science and Information Technology – Zain Publications India**

### **B. Conferences**

National: **17** International: **20**

## **AWARDS AND RECOGNITIONS**

1. Best Reviewer Award, ETRI Journal, South Korea- Silver plaque+ 1000\$

2. Best NSS Volunteer Award- TCE, Madurai-Silver Medal- Sponsored by TVS, Madurai
3. Swami Vivekananda Award- Bharathi Yuva Kendra Madurai
4. Best Department Award- 3 times
5. Best Supervisor Award- Technovision 2017
6. Kamarajar Award from Rotary Club of Virudhunagar, Feb.2021
7. Anna University Ph.D Supervisor Recognition-2740131
8. 100% result produced in our College-18 times
9. ISTE – Students Forum second highest enrollment Award – 5 Times
10. Adarsh Vidya Saraswati Rashtriya Puraskar Award, Global Management Council, Ahmedabad

### **BOOKS PUBLISHED**

- a. RDBMS – ORACLE- Arasan Ganesan Institute of Technology, Sivakasi
- b. JAVA Programming- Arasan Ganesan Institute of Technology, Sivakasi
- c. VLSI Design-Royal Publishers, Virudhunagar
- d. 1D and 2D Signal Processing using MATLAB & GUI- published with Shanlax publications (revised edition published in 2018).
- e. ATAL Basic Electronic Components- Vol.1 & Mathematics- Geometrical Shapes With MATLAB Programs- Vol.2- published with Shanlax publications
- f. Tessolve Test Engineering- published with Shanlax publications

### **CONTRIBUTIONS TO TEACHING AND LEARNING PROCESS**

#### **1. Outcome based Education introduced .**

- a. As NBA coordinator, outcome based education is introduced in all branches of our college.  
Three Engineering branches were successfully accredited by NBA on 2017 under Tier –II category.. Earlier in 2009 six Engineering branches were successfully accredited by NBA. In 2012, three branches were reaccredited by NBA.
- b. Worked as NAAC coordinator, college is accredited by NAAC, Bangalore for 5 years with A grade (CGPA is 3.03).(2015-2020)

#### **2. Additional Responsibilities.**

- a. Anti-ragging squad member
- b. IQAC Cell Member -2015-'20, Dec. 2021- till date
- c. Discipline Committee member- 2010-'14, Oct.2021 – till date
- d. III cell member-2013-15
- e. R&D cell elite group member
- f. Governing Body Member – 2019-2022
- g. Academic Council Member – 2019-21
- h. Academic Council Member Secretary – 2021 – till date

- i. Chairman of ECE Board of Studies – 2019-2022
- j. Member , ECE Board of Studies – 2022- till date

### 3. ICT based Learning is enhanced

The ICT based teaching learning process is being followed in every class room. Student Assignments, tutorials etc. are followed in online. Now more number of students are joining in NPTEL and other online courses

### 4. Motivation

Students are counseled periodically regarding their academics, Co-curricular and extracurricular skill. Now very high pass percentage in every class and many students won prizes in National /International competitions.

### 5. MoU Initiation

Sl.No.	Company	Outcome
1	Tessolve Semiconductors- Bangalore	Test engineering Course 14 students placed out of 15.
2	BSNL, Madurai	IPTs and Internships every year
3	Edgate Technologies, Bangalore	Sponsorship of ASLK pro kits which is used in LIC lab
4	Cranes software, Bangalore	
5	Chamber of commerce, Virudhunagar	Testing of food samples. Four company samples were tested.
6	Pantech E-Learning, Chennai	Training in Latest Technologies for both faculty members and studnets (IoT, Block Chain, Machine Learning, Deep Learning etc.,)
7	Tech Tems, Alangulam , Tenkasi	Syllabus framing for Elective specialization, Guest Lecture, Joint Research, Internship etc.,
8	NITTTR, Chennai	Organizing FDP, Resource persons in their FDP, Jointly applying Funded Projects, Attending FDP by our Faculty Members etc.,

## MEMBER OF BOARD OF STUDIES:

1. VSVN Polytechnic College, Virudhunagar(Autonomous & Govt. Aided)
2. PACR Polytechnic college, Rajapalayam (Autonomous & Govt. Aided)

## NUMBER OF SUMMER / WINTER SCHOOLS ORGANIZED AND ATTENDED :

Organized : **06**

(Computer installation & hardware servicing, Digital Signal Processing, Communication theory, NSDC-Mobile handset & TV Servicing, Pedagogical Initiatives in Outcome Based Education, Next Generation Computing and it Applications)

Attended: **05**

**Other Courses attended: 50**

## RESOURCE PERSON IN WORKSHOP/CONFERENCE/SEMINAR

- a. Acted as a resource person in numerous workshops, seminars and value added courses both inside the campus as well as in other reputed institutes.

## CONTRIBUTION TOWARDS PROMOTION OF INNOVATION AND ENTREPRENURSHIP

### 1. Student Skills

To improve the programming skills, lot of International certification courses (CCNA, IBM, OCJP, BEC etc) and value added courses (1D and 2D Signal Processing using MATLAB, IoT, PCB Design etc.,) has been conducted.

### 2. R&D

- Collaborative projects with **IGCAR, Kalpakkam** (Two projects worth of **Rs.5000000**)
- Established **ATAL Tinkering Lab** worth of **Rs.2000000** in Khastriya girls School, Virudhunagar
- For the establishment of **Advanced Communication Lab, Rs.1 Crore** project to DST in FIST scheme
- Project for establishing **Common facility center worth Rs. 2.5 crores through Southern India Electronics Industries, Vellore .**
- DST – 4 Projects were applied(STI Hub for SC Community, Popularization of STEMM, Low cost Teaching Aids, Children Outreach program)
- TNSCST – 6 Projects were applied (E-Cart, In-generator for medical wastes, Sanitary Napkin vending machine, Smart Bin for smart cities , Glacoma Detection, Charger for e-car )

Sl. No.	Name of the project and Reference No	Funding Agency/Division	Cost & Duration	Status
1.	Skill Development Course in 'Mobile / TV servicing)	NSDC, New Delhi	15,70,000 (157 students * Rs.10000) (1 year)	Completed

2.	Automatic Pouch folding Machine	Idhayam Oil Mills, Virudhunagar, Tamilnadu	1,56,530 (1 year)	Completed
3.	Oil recovery system for Underweight Pouch	Idhayam Oil Mills, Virudhunagar, Tamilnadu	1,04,054 (1 year)	Completed
4.	Smart Bin using sheet metal	Amogaa Products Private Limited, Madurai, Tamilnadu	59,000 (1 year)	Completed
5.	Smart Bin using stainless steel	Amogaa Products Private Limited, Madurai, Tamilnadu	1,01,000 (1 year)	Completed
6.	Score Board display control using Arduino via an Android app	Sports Complex of Kamaraj College of Engineering and Technology, K..Vellakulam, Near Virudhunagar, Madurai Dist. Tamilnadu	10,000 (1 year)	Completed
7.	Sanitary napkin Vending Machine	Kamaraj College of Engineering and Technology, K..Vellakulam, Near Virudhunagar, Madurai Dist. Tamilnadu	10,000 (1 year)	Completed

### 3. Promoting Innovation and Entrepreneurship

- Got **IIT Jodhpur project** with a seed money **Rs.1000000**
- Prizes won in Texas Innovation Challenges contest
- Prizes won in Atmel contest
- Prizes won in ICTACT Chennai
- Won second prize **Rs.20000 in Maxim IOT contest**
- Got Runner up **Rs.50000 prize in connect Madurai 2018 contest**, Sponsored by Honeywell.
- Got First Prize **or Rs. 1 Lakhs in GR Lycee Contest**, by Renesas Computers, held at Bangalore
- Got Third of **Rs.15,000 in India International Science Festival , Goa**

#### 4. Sponsorship amount received from various funding agencies.

Month & Year	National Conference	Sponsoring Body	Amount in Rs.
March 2011	CSPCT'11	CSIR	25,000
		DRDO	30,000
March 2012	CSPCT'12	CSIR	30,000
March 2014	CSPCT'14	IETE	7,500
		DRDO	30,000
Feb 2014	Skill Development Course in 'Mobile / TV servicing)	NSDC	15,70,000
March 2016	CSPCT'16	IETE	7,500
June 2018	Pedagogical Initiatives in Teaching-Learning Process	AICTE-ISTE	3,00,000
December 2021	Next Generation Computing and its Applications	AICTE-ISTE	93,000
April 2022	International Conference on Recent Trends in Engineering and	ISTE, Tamilnadu	10,000
<b>TOTAL</b>			<b>21,03,000</b>

#### **CONTRIBUTIONS TO ISTE & IETE:**

1. Acted as Resource Person in the monthly discussion of KCET-ISTE Chapter
2. ISTE Sponsored Programs organized for our college students
3. Received Best ISTE Students Chapter Award and Best Students Award – 4 years consecutively
4. More number of Regional and national Conventions attended and presented Papers
5. Best IETE Chapter for highest membership award-five times (2016, 2017 2018 2020 and 2021) consecutively.

#### **AREA OF INTEREST:**

1. Wireless Communication & Networks
2. Digital Signal Processing
3. Embedded Systems

**REVIEWER:**

1. Wireless Networks, Springer
2. Journal of Internet Technology
3. Soft Computing, Springer
4. International Journal of Electronics
5. EURASIP Journal on Wireless Communication and Networking
6. International Journal of Electronics Letters
7. IET Communications
8. Radio Science
9. Mobile Networks & Applications
10. Journal of Computer Science
11. ETRI Journal
12. Australian Journal of Electrical and Electronics Engineering
13. Australian Journal of Multi Disciplinary Engineering
14. American Journal of Applied Sciences

**HINDI:**

1. Spoken Hindi – 6 Levels Completed Successfully
2. Written Hindi – 3 Levels (Prathmic, Mathyama and Rastrapasha) completed successfully

**PERSONAL INFORMATION**

1. Date of Birth : **10/04/1971**
2. Address for Communication : **Kamaraj college of Engineering and Technology  
S.P.G.C Nagar, K.Vellakulam-  
Near Virudhunagar,  
Madurai district-625 701  
TamilNadu  
Mobile: 91-9489534819**

I, Dr.R.Suresh Babu hereby confirm that the information is true up to best of my Knowledge and I bear the responsibility for the correctness of the above-mentioned Particulars.