

From

Dr.K.Yasoda  
42, AnnaNagar 5<sup>th</sup> Street  
Linganoor  
Vadavalli  
Coimbatore – 641041

To

The Principal,  
SNS College of Technology  
Saravanampatti(Post)  
Coimbatore-641035

Respected Sir,

**Sub:** Application for the post of Professor in BME Department – Reg

**Ref:** Advertisement in The Hindu dated 07.03.2018

I received my Bachelor's Degree in Instrumentation and Control Engineering from Government College of Technology , Coimbatore and a PG Diploma in Medical Instrumentation Technology from Coimbatore Institute of Technology, Coimbatore. I also obtained my Master's degree in Biomedical Engineering from Indian Institute of Technology, Madras and Doctoral Degree in Information and Communication Engineering from AnnaUniversity, Chennai.

For my PhD thesis, I worked on real time on “Investigation And Analysis Of Brain Signals For Correlation Of Eye Blink Rate And Event Related Potential For Cognitive Evaluation” under the supervision of Dr.A.Shanmugam, Prof & Dean/ Electronics and Communication Engineering , SNS College of Technology, Coimbatore.

I have 11 years and 10 months of experience in Teaching, 9 years and 2 months of Industrial experience.

With reference cited above, I would wish to apply for the post of Professor in Biomedical Engineering department in your esteemed concern. Herewith I have enclosed my resume for your kind perusal and consideration.

Thanking you,

Date:13.03.2018

Place: Coimbatore

Yours faithfully,



(K.Yasoda)

## RESUME



1. Name : K.Yasoda
2. Husband's Name : K.Vijayakumar
3. Address for Communication : 42, AnnaNagar 5<sup>th</sup> street  
Linganoor  
Vadavalli  
Coimbatore - 641041  
M. No: 9443057464  
E-Mail : yasodakyp@gmail.com
4. Permanent Address : - D0-
5. Age & Date of Birth : 50 , 27.04.1967
6. Nationality : Indian
7. Community / Caste : Hindu / Devangar
8. Sex : Female
9. Marital Status : Married
10. **Educational Qualification :**

Course	Name of School / Institute & Place Studied	% of Marks Obtained	Month & Year of Passing
HSC	S.I.V. Matriculation Hr Sec School , Sirumugai	83.5	March, 1985
SSLC	S.I.V. Matriculation Hr Sec School , Sirumugai	71.5%	April 1983

<b>Course &amp; Specialization</b>	<b>College / Institute Studied</b>	<b>University</b>	<b>% of Marks &amp; Class Obtained</b>	<b>Month &amp; Year of Passing</b>
<b>B.E</b> (Instrumentation & Control)	GCT, Coimbatore	Bharathiar	69.6 / I	April 1989
<b>PGDMIT</b> ( Medical Instrumentation Technology)	CIT, Coimbatore	Bharathiar	78.1 / I	April 1990
<b>M.Tech</b> Bio-Medical Engineering	I I T , Madras	I I T, Madras	8.27 (CGPA)	Feb 1994
<b>Ph.D</b> Information and Communication Engineering		Anna University, Chennai		July 2017

**11. Experience:** (in Chronological order) - As on April 2017. Totally **21** Years of experience.

**Teaching Experience:**

<b>Name of the College / Industrial</b>	<b>Designation</b>	<b>Date of Joining</b>	<b>Date of Relieving</b>	<b>Experience</b>		
				<b>Years</b>	<b>Months</b>	<b>Days</b>
Dr NGP Institute of Technology , Coimbatore	Associate Professor /BME	4.06.2014	25.04.2017	2	10	20
Velalar College of Engineering & Technology.	Associate Professor/BME	1.1.2011	31.5.2014	3	5	0
	Assistant.Professor/BME	1.6.2006	31.12.2010	4	7	0
Tamilnadu College Of Engineering, Coimbatore.	Senior Lecturer/ E&I	9.6.2005	31.5.2006		11	22
<b>Total Experience</b>				<b>11</b>	<b>10</b>	<b>12</b>

**Industrial Experience:**

Name of the College / Industrial	Designation	Date of Joining	Date of Relieving	Experience		
				Years	Months	Days
IRT- Perundurai Medical College And Hospital, Perundurai.	Assistant Engineer ( Bio-Medical)	15.9.1997	31.3.2003	5	6	16
K.J. Hospital & Research Centre, Chennai.	Biomedical Engineer	4.12.1990	30.6.1992	1	6	26
		2.3.1994	31.3.1996	2		29
Total Experience				9	2	11

**12. Career development programs attended**

(i) Details of Seminars/Workshop / FDP participated

S.No.	Title	Type of Event (Seminar/ Workshop/ FDP)	Duration	Held At	Conducted By
1.	Multimedia Technologies	Workshop	10.9.2009-11.9.2009	Velalar College of Engineering and Technology Erode.	Department of Computer Science & Engineering
2.	Nano Biosensors in Biomedical Engineering	Seminar	17.2.2010-18.2.2010	Institute of Road & Transport Technology, Erode	Department of Master of Computer Application
3.	Digital Signal Processing- Bio Medical	Workshop	27.8.2012-28.8.2012	Velalar College of Engineering and Technology Erode.	ICT Academy of TamilNadu
4.	Maintenance of Intensive Care Monitors	Workshop	26.9.2012-27.9.2012	Velalar College of Engineering and Technology Erode.	Department of Biomedical Engineering
5.	Laparoscopic suturing and knotting course	Workshop	3.11.2012-4.11.2012	IMA, Erode	Indian association of gastrointestinal endosurgeons
6.	Research and Reconfigurable Embedded system for Medical Science	AICTE sponsored FDP	6.5.2013-16.5.2013	KSR Institute for Engineering and Technology	Department of Electrical and Electronics Engineering
7.	Rehabilitation for Solid Organ Transplantation	Workshop	24.01.2015	KMCH college of Physiotherapy	Physiotherapy (KMCH
8.	Product Training programme on Fluke Biomedical testing & calibration Equipment	Product Training programme	4.3.2015 - 8.3.2015	Dr.NGPIT, Coimbatore	Fluke Biomedical systems, Coimbatore
9.	Hands-On training for	Training	16.5.2015	Taj Vevanta,	Ge-Healthcare,

	Biomedical and Technicians	Programme		Coimbatore	Bangalore
10.	Transforms and Medical Data Interpretations	Seminar	8.2.2015	Sri Ramakrishna Engineering College	Biomedical Engineering Department
11.	MedZEST-2016 –A Forum for Hands on Training and Quality Control of Medical Equipment	Workshop	26.2.2016 - 27.2.2016	Kovai Medical Center and Hospital	Biomedical Engineering Department of Dr.NGPIT & KMCH
12.	Technologies for Diabetes Care and Management	Seminar	8.9.2016 - 9.9.2016	Avinashilingam University	Biomedical Engineering Department
13.	MedZEST-2016 –A Forum for Hands on Training and Quality Control of Medical Equipment	Workshop	02.2.2017 - 03.2.2017	Kovai Medical Center and Hospital	Biomedical Engineering Department of Dr.NGPIT & KMCH
14.	An Overview of Medical Device Regulations	Workshop	6.4.2017	Indian Institute of Technology Madras	IIT, Madras

(iii) Conference Details

S. No	Conference/ Seminar Name	Date of the Conference	Title of the Paper Presented	Organization
1	Computational Biotechnology and Nanotechnology	24.2.2010- 26.2.2010	Microfabrication of electrochemical sensor	Vivekananda Collge of Engineering for Women, Tirochegode
2	Telecommunication in Healthcare Engineering	26.3.2011	Classification of masses in mammogram using multiscale edge detection	Velalar College of Engineering and Technology Erode.
3	Applications of Nanotechnology in Biomedical Systems	17.3.2012	Classification & event detection in EEG using MATLAB	Velalar College of Engineering and Technology Erode.
4	Engineering Innovations in Medical Technology	16.3.2013	Integrated Monitoring Unit for ICU	Velalar College of Engineering and Technology Erode.
5	Engineering Innovations in Medical Technology	16.3.2013	Analysis and detection of EOG artifact from EEG signal using MATLAB	Velalar College of Engineering and Technology Erode.
6	ICMR sponsored conference on Medical Imaging and Informatics for Oncology	3.7.2015 & 4.7.2015	Chew over of EEG signal for appearance of Jiffy Twinkling of Eye	Dr.NGP Institute of Technology, Coimbatore.
7	IEEE International Conference on Innovations in Green Energy and Healthcare Technologies	16.3.2017 – 18.3.17	Renewable Energy Based BCI Prediction System for Cognitive Analysis	Dr.NGP Institute of Technology, Coimbatore.

### 13. Contribution for the development of the Institution/Department

At the Institution Level:

S.No	Activity	Institution
1	Women Development Cell Convener - June 2012 to March 2014	VCET
2	Head of the Department /BME – June 2012- June2013	VCET
3	Academic Coordinator – June 2014 – April 2017	Dr.NGPIT
4	Supplementary Report Preparation for NAAC – 2014	Dr.NGPIT
5	International Conference Coordinator - IEEE International Conference on Innovations in Green Energy and Healthcare Technologies 2017	Dr.NGPIT

At the Dept. Level:

S.No	Activity
1	<b>National Workshop</b> - National level workshops on Biomedical Equipments maintenance – 2008 , Biomedical Signal and Image processing using Matlab -2009. <b>National Conference</b> – ICMR sponsored ‘Recent Advancements in Biomedical Engineering and Healthcare Technologies’ – 2015
2	Stores Officer – Preparation of department Budget, Purchase of Equipment
2	Class Advisor , Mentoring students ,Conducting Class Committees
3	NAAC , NBA Coordinator
4	Establishment of Biomedical Instrumentation Lab- 2006 at VCET and 2016 at Dr.NGPIT
5	Establishment of Diagnostic and Therapeutic Equipments Lab- 2007 at VCET and 2015 at Dr.NGPIT

### 14.Funds Received:

TNSCST Programme “Student Project Scheme” – 2008-09 for the Title Touch Pad Controlled Wheel Chair and was awarded First Prize.

### 15.Awards :

S.No	Name of the award	Institution	Purpose of Award
1	Certificate of Appreciation	Velalar College of Engineering & Technology, Erode-12	Best Results 2011-12
2	Certificate of Appreciation	Velalar College of Engineering & Technology, Erode-12	100% Result –Jan2007

16. **Research Work** : Completed Ph.D in Information and Communication Engineering from Anna University , Chennai under the guidance of Dr. A. Shanmugam. I have been working with Dr.E.Senthilkumar, Neurologist, Kovai Medical Center and Hospital, Coimbatore and Dr.Vishalakshi Raman (Applied Cognition and Neuroscience), for recording and analysis of the real time EEG signals to achieve my goal in the research work.

**Papers Published:**

1. **Yasoda, K** & Shanmugam, A 2014, 'Frequency Band Separation Of Neural Rhythms For Identification Of EOG Activity From EEG Signal' International Journal of Advanced Technology in Engineering and Science , ISSN (online): 2348 – 7550, vol.02, issue08, pp.569-576.
2. **Yasoda, K** & Shanmugam, A 2014, 'Certain Analysis On EEG For The Detection Of EOG Artifact Using Symlet Wavelet' Journal of Theoretical and Applied Information Technology , ISSN: 1992-8645, vol. 67, no.1, pp.54-58.
3. **Yasoda, K** & Shanmugam, A 2015, 'Analysis On EEG For Predominant Occurrence Of Eye Blink Activity' International Journal of Applied Engineering Research ,ISSN :0973-4562, vol.10, no. 24, pp. 43926-43929.
4. **Yasoda, K** & Shanmugam, A 2016, Evaluation of Cognitive Capacity of An Individual Using Biosignals – EOG and EEG with P300 emphasis, Asian Journal of Information Technology vol. 15, no. 21, pp. 4370-4376.

17. **Professional Membership** : ISTE – India – LM50944 / lifetime

BMESI - LM1124 / Lifetime

18. **Name and address of two responsible persons for reference**

1. **Prof.P.Jayachandar**, M.E.,

Dean Student Affairs)

Velalar College of Engineering & Technology

Erode-12.

Mobile : 94431 -39215

Email : jayachandar@velalarengg.ac.in

2. **Dr.A.Shanmugam**

Prof & Dean / ECE Department, SNS College of Technology

Coimbatore

M.No: 9942317170

19. **Joining time required**

**if selected**

: June 2018

Date : 13 .03.2018

Station: Coimbatore



Signature of the Applicant

(K.Yasoda)

