

Name: Dr.Vidyasagar.K

Designation: Professor

Department: EIE

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Experience (in years): Teaching:

Research:

Others(if any, specify):

**1. Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech	1997	Instrument Technology
2	M.E	2000	Control Systems
3	Ph.D	2017	Instrument Technology

**1. Teaching and Learning:**

1.1. Teaching Interests: Black board teaching

1.2. Novel Teaching & Learning Techniques adopted: Structural approach

1.3. Involvement in curriculum updating / Design: yes

**2. 3. Co-curricular and Extra-Curricular Activities**

2.1. Interests and Hobbies: playing shuttle badminton

2.2. CCA/ECA Organized:

2.3. CCA/ECA participated:

2.4. Counseling and Mentoring Activity: developed customized counselling mechanism

2.5. Committees involved in:

- Department level:

- Institute Level:

- 10<sup>th</sup> all india open sports fest food committee coordinator

- Scintilahurz coordinator

**3. Conference / Workshop / Seminar / Guest Lectures :**

3.1. Conducted:

3.2. Attended:

S.No	Title of the Work Shop	Organized by	Duration
1	Speech processing	SVECW	22-23 sept 2015
2	RF Circuit design using ADS Software	SVECW	17-21 June 2015
3	Design and simulation of antennas & microwave devices using ansys HFSS	SVECW	3-8 oct 2016
4	Student counselling and career guidance	SVECW	20-21 June 2018
5	Microwave electronics	SVECW	21-23 june 2007
6	Assistive technology	SVECW	13-20 Aug 2009
7	Industrial Automation	SIR.C.R.R.C.O.E	09-10, feb 2009
8	Recent trends in biomedical applications	SIR.C.R.R.C.O.E	10-11 Aug 2007

9	Bio informatics and Genome Analysis	IISC Bangalore	14-18 feb 2005
10	Intelligent sensors and control engineering	AU College of Engineering	24 <sup>th</sup> march 2007
<b>Guest Lectures</b>			
<b>S.No</b>	<b>Title of the guest lecture</b>	<b>Organization</b>	<b>Date</b>
1	Recent advancements in Carbon nanomaterials	SVECW	21-12-2016
2	Recent advancements in carbon nanotubes	SVECW	08-08-2015
3	MRI Analysis for Brain tumors using Segmentation and Clustering Approaches	Shree Vahini Institute of science and technology	15-11-2016
4	Characterization of carbon nanotubes for synthesizing the Bio sensors	Shree Vahini Institute of science and technology	2-11-2017
<b>Conferences</b>			
<b>S.No</b>	<b>Title of the Conference</b>	<b>Title of the manuscript</b>	<b>Date</b>
1	ICONTOX-2008 Indian institute of Toxicology research center	Mechanical properties of carbon nanotubes and their characterization	5-7 Feb 2008
2	Advanced signal processing and communication	Metastasis Brain tumor Location and area estimation in MRI images	4-5 July 2014
3	AIP international Conference ( Scopus )	Analysis of double walled carbon nanotube structured badminton racket	9 Feb 2021
4	ICRITCSA international conference ( Scopus )	Finite element analysis of carbon nanotube badminton racket structure	21 October 2019
5	ICRADL 2021	A method of cardiovascular disease prediction	29-31 January 2021
6	<u>CMRCET ICCIML-2021 ( Springer )</u>	Design of Corn Seed Sowing Machine for uniform distribution of corn seeds using optimum seed distribution algorithm	01-02 June 2021

#### 4. Academic Contribution and Research & Consultancy:

4.1. Invited Lectures:

4.2. Articles /Chapters published in Books:

4.3. Books published as single author or as editor:

##### **1.1. A Hybrid Image Fusion Algorithm for Medical Applications – INTECH OPEN ( WEB OF SCIENCES)**

4.4. Projects Guided :

a) UG :40      b) PG :ONE

4.5. Research Interests : Process instrumentation , medical imaging, nano science

4.6. Ph.D students :

a) Enrolled :                      b) Submitted:                      c) Awarded:

4.7. Papers published in reviewed journals :

<b>S.No</b>	<b>Title of the Paper</b>	<b>Journal Name Vol.No. PP</b>	<b>ISBN/ISSN No.</b>	<b>Impact Factor/ Citation Index</b>	<b>National/ International</b>
1	Quantitative Analysis of Metastasis Brain Tumor and its Area Estimation in MR Images	International Journal of Computer Applications, Vol.139 (14): pp 40-46, April 2016.	ISSN 0975-8887	0.752	
2	Characterization and area estimation of MR Brain tumor Images	International Journal of Computer Applications, Vol.121 (14): 1-7, July 2015.	ISSN 0975-8887	0.752	
3	Qualitative Analysis of Brain tumor MRI	Discovery analysis, the International Daily journal, Vol. 28(104): 65-71, 2015.	ISSN 2278-5469	1.27	
4.	Noise Curtailment and its Intensification of Brain Tumor MRI Images and its area Estimation Using Segmentation and clustering	International Journal of Advanced Computing, Vol.47 (1): 1457-1462, May 2014.			
5	Brain Tumor Detection and its Area Estimation in MRI Images using pillar K-Means Algorithm	International Journal of Engineering Sciences, Vol.5 (1): March 2014.	ISSN 2230-8504		
6	Anti Collision and Secured Level Crossing System	International Journal of Computer Applications (0975 – 8887) Volume 107 – No 3, December 2014.	ISSN 0975-8887	0.752	
7	Web Based Weather Data Acquisition System	International Journal of Engineering Research & Technology Volume. 4(05), May-2015.	2278- 0181	2.97	

8	Rope Climbing Robot	International Journal of Computer Applications (0975 – 8887) Volume 108 – No 12, December 2014.	ISSN 0975-8887	0.752	
9	Multi Directional Conductive Metal detection Robot Control	International Journal of Computer Applications (0975– 8887) Volume 109 – No. 4, January 2015.	ISSN 0975-8887	0.752	
10	Train tracking and the signaling system using Infrared and Radio Frequency Technology	International Journal of Computer Applications (0975 – 8887) Volume 119 – No.23, June 2015.	ISSN 0975-8887	0.752	
11	RFID- GSM Imparted school Children security system	Communications on Applied Electronics (CAE) Foundation of Computer Science FCS, New York, USA Volume 2 – No.2, June 2015.			
12	An Electronic Security monitoring system using GSM	Communication “, Journal of Academia and Industrial Research (JAIR)Volume 4, Issue 1 June 2015 .			
13	Robot hands movement control using Atmega 328	Journal of Academia and industrial research, Vol. 4(1): 23-26, 2015.	2275-5213		
14	Modernization of fire Quench Robot Communication	Journal of Academia and Industrial Research” Vol. 4(1): 06- 09, June 2015	2275-5213		
15	GUI based Wireless Communication for plant automation	International journal of Computer Applications, Vol. 121(20): 9-12, July 2015.		0.752	
16	RFID-GSM Autonomous car washing system	International journal of Computer Applications, Vol. 121(2): 30-33, July 2015.	ISSN 0975-8887	0.752	
17	Echo friendly environment with RFID Communication Imparted waste Collecting Robot	Journal of Academia and industrial research, Vol. 4(2): July 2015.	2275-5213		

18	Android Phone enabled Home automation	Journal of academia and Industrial research, Vol. 4(2): July 2015.	2275-5213		
19	Landmine detection robot using radio frequency Communication	Journal of Academia and Industrial research, Vol. 4(2): July 2015.	2275-5213		
20	MEMS based wheel chair for Physically challenges persons	Communications on Applied Electronics (CAE), Vol.2 (4): July 2015.			
21	An Improved GUI based Voice Identification with Applied RASTA-PLP	International Journal of Technology and science, Vol.6(1): 1-3, 2015.			
22	Characterization of Doubled Walled Carbon Nanotubes using Finite Element Method	International Journal of Computer Applications, Vol. 132(3): 17-21, December 2015	ISSN 0975-8887	0.752	
23	Characterization of Single walled Nonotube using finite Element Method	International Journal of Technology and science, Vol.7 (1): 10-14, 2015.			
24	Public Road Transport Guiding System using Arduino Microcontroller	International Journal of Computer Applications, Vol. 132 (3): 12-16, December 2015.	ISSN 0975-8887	0.752	
25	Remote Vehicle Supervise and Control using Global System for Mobile Communication	International Journal of Engineering Research & Technology, Volume 4(11): November-2015.			
26	Characterization Of Linear Plug Control Valve For Process Fluid Throttling Applications	Stochastic Modeling & Applications, Vol.26(3)	ISSN: 0972-3641		
27	An Improved CH <sub>2</sub> Feature	International information and Engineering technology association, Vol 37(1)			

	Selection Based a Two-Stage Prediction of Comorbid Cancer Patient Survivability				
28	Characterization Of Quick Opening Control Valve For Process Fluid Throttling Applications	International journal of food and nutritional sciences, Vol.11(6)			
29	Deployment of Formal Verification for RISC Processor RTL Signoff	Ijfans International Journal Of Food And Nutritional Sciences, Vol.11(3)	ISSN. 23191775		
30	Prediction of Crop Yielding rate using machine learning algorithms	NeuroQuantology November2022  Volume 20   Issue 15	ISSN 1303- 5150		

**5. Awards / Honors received:**

- Received“Research Excellence Award 2017” by (IEAE) Institute for Exploring Advances in Engineeringaccredited by Euro-American Joint Accreditation Services (EA-JAS).

**6. Motto:** Commitment and sincerity