



JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060


www. Jssateb.ac.in



FACULTY PROFILE

Department: Electronics & Instrumentation Engineering

1. Personal Details

NAME	Dr. Bhanumathi K S	
DEPARTMENT	Electronics & Instrumentation Engineering	
DESIGNATION	Associate Professor & Head	
PHONE	+91 9844892926	
EMAIL ID	bhanumathiks@jssateb.ac.in	
Date of Joining (JSSATEB)	10-07-2005	

2. Experience

Total Experience in Years	Teaching: 19 Years	Industry: Nil	Research:
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3. Qualifications

COURSES	SPECIALIZATION	YEAR OF AWARD	INSTITUTION	UNIVERSITY
Ph.D	Biomedical Signal Processing	Aug 2023	Dept. of E&IE, JSSATE, Bengaluru	VTU, Belagavi
M.Tech	VLSI design & Embedded Systems	Jan 2012	Dept. of ECE, JSSATE, Bengaluru	VTU, Belagavi
B.E.,	Instrumentation	January 2001	SJCE, Mysore	Mysore University

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 01	National: 00
Papers Published in SCOPUS indexed Journals	International: 02	National: 00
Papers Published in other Journals	International: 3	National: 00
Papers Presented in Conferences / Symposium	International:03	National: 01
Books / Book chapters Published	Name of the book: Publisher: Year of Publication:	
	Name of the book: Publisher: Year of Publication:	

5. Research Guidance

PhD Guide? Give field & University	NO	
PhDs / Projects Guided	NO	

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Student Project Program-40 th series	4,500/-	27.03.2017	1 year	KSCST
Student Project Program-40 th series	7,000/-	27.04.2021	1 Year	KSCST

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
NIL		

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
NIL				

7. Awards Received

Best paper award for the paper titled “GSM Based Health Monitoring System” presented in National Conference on Applied Computational Intelligence-2023 held on 21-22 December 2023 in association with Indian National Science Academy, New Delhi.

8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Feedback Artificial Shuffled Shepherd Optimization-Based Deep Maxout Network for Human Emotion Recognition Using EEG Signal	K S Bhanumathi D Jayadevappa Satish Tunga	Hindawi, International Journal of Telemedicine and Applications	Volume 2022, Article ID 3749413, 14 pages https://doi.org/10.1155/2022/3749413	Both	2.1	
2	Low-Cost Emergency Ventilator	Keerthanasri. K. D Nikitha B. Rao Apoorva M B Bhanumathi. K. S, Dr. Jayadevappa D	International Journal of Engineering Science & Computing	Volume 11 Issue No.04 ISSN 2321 3361 © 2021 IJESC	-	-	
3	EEG Based Emotion Recognition Approaches &	Bhanumathi K S, Dr. D Jayadevappa	International Journal of Psychosocial Rehabilitation	Vol. 24, Issue 6, pp. 13845-13879, April 2020.	Scopus	Impact factor-0.2.	

	Challenges: a Review”			DOI:10.37200/IJPR/V24 I6/PR261341.			
4	Low-Cost Emergency Ventilator	Dr. Jayadevappa. D Keerthanasri. K. D , Nikitha B. Rao , Apoorva Basavaradder , Mrs. Bhanumathi. K. S	IJESC	11, 4, 27807 -27811	-	-	-
5	Power Charging Unit using Rotary Leverage System	Bhanumathi K S, Nischitha S, Sumedha G, Suraksha S Nadig, Sushmitha V	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181, Vol. 9 Issue 05, May-2020, Published by :http://www.ijert.org, IJERTV9IS050547	-	-	-
6	Review on Power Charging Unit using Rotary Leverage System	Bhanumathi K S, Nischitha S, Sumedha G, Suraksha S Nadig, Sushmitha	International Research Journal of Engineering and Technology (IRJET)	p-ISSN: 2395-0072 Vol. No. 6 Issue No. 11 Year: Nov 2019	-	-	-

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
NIL							

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Hunger: A strong basic drive that controls human emotions	Bhanumathi K S Dr. D Jayadevappa	International Conference on Computational Performance Evaluation (CompE2021)	-	Scopus	-	IEEE
2	Design And Development Of Automatic Cooking Device	Akshay G Bhat, Channabasava, Keerthi C R, Utkarsh Anand	International Conference on Signal, Image Processing, Communication & Automation (ICSIPCA-2017)	ISBN (13): 978-93-5260-798-3 ISBN (10): 93-5260-798-8	-	-	Mc.Graw Hill Publications
3	Instrumentation Sensors Based Infant Safety Smart Cradle	Sanjeev Prasad Shastry, Harshitha S, Raja Vamsi, Vybhav Lokende	International Conference on Signal, Image Processing, Communication & Automation (ICSIPCA-2017)	ISBN (13): 978-93-5260-798-3 ISBN (10): 93-5260-798-8	-	-	Mc.Graw Hill Publications

iv. Workshops /Conferences Attended (Last 8 years)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1.	Two days FDP on “Sustainable Development Goals”	JSSATB, MBA Dept.	28.06.2024 to 29.06.2024
2.	” Five days FDP on ‘Role of Green Energy Towards Sustainable Smart Cities	JSSATE, Noida, IEEE chapter	13.02.2024 to 17.02.2024

3.	Presented a paper titled “GSM Based Health Monitoring System” presented in National Conference on Applied Computational Intelligence-2023	JSSATEB in association with Indian National Science Academy, New Delhi.	21.12.2023 to 22.12.2023
4.	Two Days capacity building program	Dept. of MBA, JSSATEB	10.11.2023 to 11.11.2023
5.	Ten days FDP on “Artificial Intelligence & its role in future communication, Signal processing & computing applications”	NIT, Warangal	01.05.2023 to 10.05.2023
6.	ATAL FDP on “Biomedical Instrumentation: Innovation Design and Development”	SGSITS, Indore	31/01/2022 to 04/02/2022
7.	ATAL FDP on “Advanced Manufacturing of Biomedical Devices for Precision Health Technologies”	Indian Institute of Technology, Tirupati.	24.01.2022 to 28.01.2022
8.	ATAL FDP on “Machine Learning in Infotainment Systems”	BNM Institute of Technology.	13.12.2021 to 17.12.2021
9.	FDP on “Advances in medical informatics”	Manipal Institute of Technology, MAHE, Manipal	16.08.2021 to 20.08.2021
10.	National webinar on “Research Structuring, Statistical Insights & Publication Strategies”	National Foundation for Entrepreneurship Development, Coimbatore, Tamilnadu	26th & 27th Sept 2020
11.	National level five Days faculty development program on “Machine Learning for IoT Applications”	BMSIT&M, B’lore	28.01.2019 to 01.02.2019
12.	One week FDP on “Medical Instrumentation and Signals Analysis using VI(A2A)”	RIT, B’lore	09.07.2018 to 14.07.2018
13.	National symposium on “Internet of Things”	JSSATE, B’lore	04.07.2018 to 05.07.2018
14.	Five days FDP on “Biomedical Signal Processing”	BNMIT, B’lore	11.06.2018 to 15.06.2018
15.	Three days FDP on “Embedded Controller Lab using ARM cortexM3”	JSSATE., B’lore	04.01.2018 to 06.01.2018
16.	Workshop on “Embedded System Design for IoTs”	IIT, Kanpur	25.06.2017 to 29.06.2017
17.	QIP on “Enhancing Pedagogical Skills”	JSSATE, B’lore	17.01.2017 to 21.01.2017
18.	Workshop on “Digital Image Processing Basics to Recent Trends”	SJCE, Mysore	13.06.2016 to 17.06.2016
19.	National workshop on “Accreditation Process for Technical Institutions”	JSSATE, B’lore	26.08.2016 to 27.08.2016

v. Workshops / Conference (Organized) (Last 5 years)

Sl. No.	Name of the event organized (Please mention your role)	Date (s) of the event	Target audience	Number of participants
1	Co-ordinated ISTE State Level Faculty Convention	26.11.2022	Faculty of engineering colleges	100
2	Organized a two day Student Development Program on “EMC Design and Testing”	11 th & 12 th April 2022	6 th semester students of ECE & EIE	28
3	Organized invited talk on “Creation of Healthy and Caring Relationship” by Ms. Mamatha M R	09.04.2022	First year chemistry cycle students.	133
4	Organized invited talk on “Avenues for E&IE graduates” by Mr. Sanjeev Prasad Shastry	14.12.2021.	3 rd , 5 th and 7 th semester E&IE students.	78
5	Organized a talk on “Opportunities in Armed Forces for Engineering Graduates” by Mr. Rishabh Kumar	07.06.2021	1 st , 2 nd , 3 rd year students of E&IE	120

vi. Conference/Workshops Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	ATAL FDP on “Biomedical Instrumentation: Innovation Design and Development”	SGSITS, Indore	31/01/2022 to 04/02/2022
2	ATAL FDP on “Advanced Manufacturing of Biomedical Devices for Precision Health Technologies”	Indian Institute of Technology, Tirupati.	24.01.2022 to 28.01.2022
3	ATAL FDP on “Machine Learning in Infotainment Systems”	BNM Institute of Technology.	13.12.2021 to 17.12.2021

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Op-amps and Applications	IIT, Madras	Oct 2019	50%

10. Membership of Professional Bodies:

1. Life Membership in Indian Society for Technical Education (MISTE)
2. Annual membership in IEEE

11. Any other information you will like to share about your professional experience

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