FACULTY PROFILE

Name of the Faculty	**ANIL B V**
Designation	**Associate Professor**
Contact Numbers	**Office: 08257- 235045** **Mobile: +91 87468 48940** **+91 70222 11515**
E-mail ID	**anilbv@yahoo.com**

- ## Educational Qualification

Degree	Specialization	Year of Passing	College & University
B.E.	Electronics and Communication Engineering	1998	KVGCE, Sullia, Mangalore University
M. Tech	Bio-Medical Instrumentation Engineering	2001	SJCE Mysuru, VTU
Ph. D	Fusion of Face-Voice Biometrics for Rough-Neuro-Fuzzy Models	2023	RC – KVGCE, Sullia, VTU

- ## Work Experience

Teaching	Research	Industry
25+ years	6+ years	---------

- ## Date of Joining to the College

4th July 2005

• In-House Experience

Designation	Duration		Department
	From	To	
Asst. Professor	04-07-2005	02-03-2012	E & C
Assoc. Professor	03-03-2012	25-07-2022	E & C
Assoc. Professor	26-07-2022	Till date	CS&E

• Outside Experience

Designation	College, Place	Duration	
		From	To
Lecturer	KVG Polytechnic, Sullia	Aug 1998	July 2002
Lecturer	PESIT, Bengaluru	01-08-2002	09-09-2003
Lecturer	RNSIT, Bengaluru	09-02- 2004	02-07-2005

• Area of Interest

Signal, Image & Video Processing	Soft Computing	Pattern Recognition	Machine Learning and Deep Learning	Multimodal Biometrics Identification

• Subject Taught

For UG:
- Analog Electronic Circuits
- Satellite Communication
- Field Theory
- Control Systems
- Signals and Systems
- Digital Signal Processing
- Embedded Systems Design
- Analog Communication
- Digital Communications
- Wireless Communications

- DSP Algorithms and Architecture
- Programming in C++
- Operating Systems
- Artificial NeuralNetworks
- Multimedia Communication
- Mobile Computing
- Problem Solving through Programming
- Digital Image Processing

For PG:
- Statistical Digital SignalProcessing
- Multi-rate Systems and FilterBanks
- Linear Algebra
- Real-Time Operating System
- Probability Theory
- Advanced Digital ImageProcessing

• Membership in Professional Bodies/University Bodies/Organizations

- Life Member of The Indian Society for Technical Education (MISTE): **LM 64951** (2009)
- Life Member of Bio-Medical Engineering Society of India (MBMESI): **LBI 480** (1999)
- Member of Institute of Electrical and Electronics Engineers (MIEEE): **99511239** (2023)

• Publications	
National / International Journals	**National / International Conferences**
3	**11**

• Publications: International Journals

1. Anil B. V and Dr. Ravikumar M S "*Biometric Recognition from Face-Voice Using Rough-Neuro-Fuzzy Classifiers*", published in High Performance Computing and Networking, Springer - 2022, pp.489-501 DOI: 10.1007/978-981-16-9885-9_40

2. Anil B.V and Dr. Ravikumar M.S, "*Voice Based Person Identification Using c-Mean and c-Medoid clustering techniques*", published in IEEE Xplore – 2020, DOI:10.1109/DISCOVER50404.2020.9278042

3. Anil B.V and Dr. Ravikumar M.S "*Face Segmentation in Video Frames Using Adaptive Morphological Face Template*", published in IEEE Xplore – 2018.

4. Anil B.V and Dr. Ravikumar M.S, "*Voice Based Person Identification Using c-Mean and c-Medoid clustering*", published in IFERP, - 2021

5. Anil B V, Dr. Ujwal U J, Rekha A A, Savitha C K, "*Multiple Sclerosis Lesion Classification on MRI using ANN*", International Journal on Computer Engineering and Information Technology –VolumeI, No 1, November 2008 – January 2009

• Publications: National / International Conferences

1. Face Recognition in Video Frames Using Morphological Face Template Grabber, "*International Conference on Advanced Computing and Communication Technology*", *ICACCT*-2021, 6th and 7th May 2021

2. Voice Based Person Identification Using c-Mean and c-Medoid clustering techniques, "IEEE Discover", International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER), 30th and 31st of October 2020

3. Face Segmentation in Video Frames Using Adaptive Morphological Face Template, "*International Conference on Innovations in Engineering, Technology and Sciences*" ICIETS – 2018, 20th and 21st of September 2018.

4. Braille Writer cum Translator with Echo – a Novel Approach, "*Third International Conference on Emerging Research in Computing, Information, Communication and Applications*" ERCICA – 2015, 31 -07-2015 and 01 -08-2015.

5. Design and Synthesis of Linear FIR Low pass & High pass filter based on Kaiser Window function,

"National Conference on Advanced Research in Electronics & Communication Engineering", NCAREC-2014, 22, 23- 04 – 2014.

6. Online Object Tracking Using Visual Prior, *"International Conference on Electronics and Communication Engineering" ICECE* – 2013, 26-05-2013,

7. BiTA/SWCE Video Enhancement with Bilateral Tone Adjustment and Saliency Weighted Contrast Enhancement, "International *Conference on Electronics and Communication Engineering Interscience Research Network*", 28 -04- 2013.

8. Detection and Extraction of Digital Watermark Using DCT and DWT, *"PG Fest, Sambhram Institute ofTechnology, Bengaluru*", 24 & 25-08, 2012.

9. American Sign Language Gesture Recognition Using Edge Histogram Descriptors and ANN, *"National Conference NCRTCSE-2011 held at K.V.G. College of Engineering Sullia*", 12-02-2011.

10. Multiple Sclerosis Lesion Classification on MRI using ANN, *"Research Challenges in Computation and Information Technology*", Department of Computer Applications, *Sona College of Technology, Salem –636005, Tamilnadu, in association with CSI, Salem* Chapter, RCCIT-2009, 20-03-2009.

11. Multiple Sclerosis Lesion Classification on MRI using ANN, *"Recent Trends in Emerging Technologies PGFEST-09*, NMAMIT, Nitte, 2009

• Professional Activities: NPTEL Course

NPTEL (National Program on Technology Enhanced Learning)	Subject	Year of Certification	Result
	Pattern Recognition and Application. (Prof. P.K. Biswas, IIT Kharagpur)	July – Oct -2019 (12weeks. FDP)	78% (Silver Medal)
NPTEL (National Program on Technology Enhanced Learning)	Machine Learning and Deep Learning Fundamentals and Application. (Prof. Bhyan, IIT Guwahati)	July – Oct 2023 (12weeks FDP)	

• Faculty Development Programme (FDP) and Workshop Participated

SL. No.	Program Title	Venue	Date & Year
1.	Advanced Microprocessors and PC Hardware	Department of Computer Science and Engineering, R.N.S. Institute of Technology, Bangalore.	2nd to 7th August 2004
2.	Advanced Electronic Laboratories (VHDL, DSP and Microcontrollers) (Under the banner of ISTE)	Department of Electronics and Communication Engineering, R.N.S. Institute of Technology, Bangalore.	14th to 19th February 2005
3.	Power System Operation and Control	R.N.S. Institute of Technology, Channasandra, Bengaluru	27th to 29th January 2010
4.	Machine Learning and its Applications in Engineering and Technology	NMAMIT, Nitte, Karkala (organized by E&C Engineering Department.)	2nd to 6th of January 2018
5.	Advanced Topics in Machine Learning and Applications in Engineering and Technology	NMAMIT, Nitte, Karkala (Organized by E&C Engineering Department).	26th to 28th of October 2018
6.	Self-Reliance on Job Creation	Jointly organized by VTU and Mind Matrix	11th of April 2023

• Workshops / Short-term Course Attended

SL. No.	Workshop Title	Place	Date & Year
1.	Digital Signal Processing and Power of Linear Algebra in System Design	Future Concepts L-117, 9th A Main, LIC Colony, J.B. Nagar, Bangalore, Karnataka State. -75	8th April 2001
2.	Train the Trainers Programme on Microprocessors, Operating Systems and Computer Organization	Dell Technical Support and Training, Dell Computer Corporation, Dell International Services, Bangalore, Karnataka State	29th and 30th August 2002
3.	Recent Trends in Linear Algebra and its Applications to Engineering Problems, in association with SJCE, Mysore, Karnataka State, under TEQIP network activity	Department of Mathematics, Malnad College of Engineering, Hassan, Karnataka State	1st to 5th Nov, 2006

4.	Global Service Technical Training for Storage Technology Foundations.	EMC Corporation ® at NMAMIT, Nitte, Karkala, Udupi district, Karnataka	21st to 25th January 2008
5.	Infosys Soft Skills Workshop	Infosys Leadership Institute, Infosys Technologies, Mysore	28th to 30th January 2009
6.	Dale Carnegie's Certification Programme on High Impact Teaching Skills. Training imparted by Mission10X, Wipro Technologies	Vivekananda College of Engineering and Technology (VCET), Puttur	1st to 5th June 2009.
7.	Intellectual Properties and Innovation management in knowledge era.	National Research Development Corporation, New Delhi & KVG College of Engineering.	12th of November 2013.
8.	Soft Computing in Health Care Applications – Softcomp-14	MIT Manipal	28th and 29th of March 2014
9.	The Eighth State Level Convention of ISTE – Karnataka	KVG College of Engineering, Sullia D.K.	18th and 19th of November 2005
10.	Recent Trends in Clustering Approaches, by Francisco de A.T. de Carvalho, Professor, Center for Informatics, Universidade Federal de Pernambuco, Brazil	SJCE, Mysuru	11th of July 2013
11.	Machine Learning and its Applications in Engineering and Technology	NMAMIT, Nitte, Karkala (Organized by E&C Engineering Department)	2nd to 6th of January 2018
12.	Advanced Topics in Machine Learning and Applications in Engineering and Technology	NMAMIT, Nitte, Karkala (Organized by E&C Engineering Department)	26th to 28th of October 2018
13.	Artificial Intelligence and Machine Learning Using Python	Institute For Engineering Research and Publication, IFERP	10th October 2020
14.	Basics of Python	Infosys Springboard (online)	19th May 2023

• No. of Project Guided

UG	PG
17	6

• Responsibilities Taken in College Level

Event	Positions	Duration	
		From	From
KVGCE Alumni Association – Sullia Chapter (Annual Alumni Meet)	President	2009	2010
KVGCE Alumni Association – Sullia Chapter (Annual Alumni Meet)	President	2010	2011
KVGCE Alumni Association – Sullia Chapter (Annual Alumni Meet)	President	2011	2012
KVG Science Talent Hunt – 2018	Coordinator	2018	2018
KVG Science Talent Hunt – 2019	Coordinator	2019	2019
Training and Placement	Training and Placement Officer	2020	Till date

• Responsibilities Taken in Department Level

Event	Role	Duration	
		From	To
1. DSP Lab	In charge	2010	2019
2. Abhivyakthi, Dept. Newsletter	Editor	2014	2019

• Participation details in the College level event.

SL .No.	Event	Position / Role
1.	V-8 Cricket tournament	Coordinator
2.	Thantrajna-2018 – Program Committee	Coordinator
3.	Annual Sports Day: 2006 to till date	Member
4.	Alumni Meet: Program Committee (2010)	Member
5.	Founder's Day: Program Committee (2015)	Member
6.	College day Cultural Day	Judge

• Participation details in the Department level activities

SL .No.	Event	Role / Responsibilities
1.	CENSA – Project EXPO	Judge for Project EXPO - 2022
2.	ELECTREA - Project EXPO	Judge for Project EXPO - 2019
3.	ENCEA - PRESENTIA	Judge for UG Technical Paper presentation - 2016

• No. of Lab Manual / Program Guidelines Prepared

SL. No.	Lab manual / Guidelines Title	Semester and branch	Year
1.	DSP Lab	V E&C	2010 to 2019

• No. of Labs handled for UG and PG

SL. No.	Lab Title	Year	Semester & Branch
1.	CCN and DSP LAB	2001 to 2005	VII E&C
2.	Advanced DSP LAB	2016-17	I Sem M.Tech (DE&C)
3.	DSP LAB	2006 - 2020	V E&C
4.	Microcontrollers Lab	2014 & 2015	IV, E&C
5.	Computer Networks Lab	2018- 2019	VI E&C

Sl. No.	Program	Venue and Organizer	Date
• **Interaction with Outside World / Invited Lectures**			
1.	Guru Poornima	Chaithanya Sevashrama, Chaithanya Seva Trust® Devarakaliya, Ajjavara Village, Sullia Taluk	08-08-2006
2.	Judge for Debate Competition	KVG Amarajyothi PU College, Sullia	18-12-2017
3.	Career Guidance	KVG Polytechnic, Sullia Training & Placement Department	13-03-2018
4.	Orientation Programme	KVG Amarajyothi PU College, Sullia	03-06-2018
5.	Krishna Janmashtami	Chaithanya Sevashrama, Chaithanya Seva Trust®, Devarakaliya, Ajjavara Village, Sullia Taluk	02-09-2018
6.	Teacher Training Workshop: Resource Person. (Leadership)	KVG International Public School, Sullia	26-04-2019
7.	Consequences of Excessive Use of Social-Media on Mental Health	KVG Ayurveda Medical College & Hospital, National Service Scheme Unit	26-06-2019
8.	Teacher's Day	KVG Polytechnic, Sullia	05 -09- 2019
9.	Titbits on Effective Study Habits and Time Management	Rotary Pre-University College Mithadka, Aletty Village, Sullia Taluk	13-07-2019
10.	Judge for Debate Competition Topic: Chandra Yaana-II	KVG Amarajyothi PU College, Sullia	08-11-2019
11.	Consequences of Social Media on Health	Toastmasters Club, Sullia	20-06- 2019
12.	Importance of Self-Management	KVG Amarajyothi PU College, Sullia	29-03-21
13.	Titbits on Effective Study Habits and Time Management	St. Joseph High School, Sullia	17-06-2023

• Awards / Recognition / Achievements/ Others

- Served as **Valuator and Moderator** for UG and PG program for VTU.
- Chaired **Technical paper presentation** at VCET, Puttur.
- **Reviewer** of International Conference on emerging trends in engineering @ NMAMIT, Nitte.
- **Adopted an Orphan** at Chaithanya Seve Ashrama, Chaithanya Seve Trust ® 2005 to 2009
- **President "Toastmasters Club",** Sullia (2021-22)
- **Vice president** (members) of **"Toastmasters Club"**, Sullia (2019-20)

- **Charter member** of **Toastmasters Club**, Sullia.
- Trained from **Infosys** Mysuru as **resource person** for soft skills.
- Visited as **LIC member** to CMRIT, MVJCE and NHCE, Bengaluru on 5th and 6th of July 2023

Dr. ANIL B. V, ASSOC. PROF., Dept. of CS&E Engineering, KVGCE,

SULLIA, D.K - 574327

Reach me at anilbv@yahoo.com, anilbabulv@gmail.com