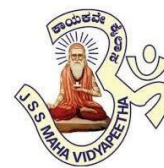





JSS Mahavidyapeetha
JSS Academy of Technical Education, Bengaluru
Department of Electronics & Communication Engineering



FACULTY PROFILE

1. Personal Details

NAME	Dr. Sangeetha K N	
DEPARTMENT	Electronics & Communication Engineering	
DESIGNATION	Assistant Professor	
PHONE	+919844341953	
EMAIL ID	sangeethakn@jssateb.ac.in , gayisan19@gmail.com	
TEACHING EXPERIENCE	13 Years	
INDUSTRY EXPERIENCE	-	
RESEARCH EXPERIENCE	6 Years	

2. Qualification

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
Ph.D.	Information Security.	BMSIT&M, Bangalore Karnataka India.	VTU, Belgaum Karnataka.
M.Tech.	Digital Communication Engineering.	RV College of Engineering Bangalore Karnataka India.	VTU, Belgaum Karnataka.
BE.	Electronics and Communication.	Atria Institute of Technology Bangalore Karnataka India.	VTU, Belgaum Karnataka.
PUC.	PCMB.	A V K College Hassan Bangalore Karnataka India.	PUC Board Bangalore Karnataka.
SSLC.	SSLC.	Sacred Heart English Medium School Shanivarasanthe Madikeri.	KSE Board Bangalore Karnataka.

3. Membership of Professional Bodies:

Nil

4. Awards

Award Title	Date of receiving the award	Award issuing authority/Body/ Organization

5. Publications(Journals / Conferences)

Papers Published in Web of Science indexed Journals.	International:--	National:--
Papers Published in SCOPUS indexed Journals.	International: 01.	National:--
Papers Published in other Journals.	International: 12	National:--

Papers Presented in Scopus Indexed Conferences/Symposium.	International: 07	National:--
Books/ Book chapters Published.	Name of the book: Architectures and Frameworks for Developing and Applying Block chain Technology. Publisher: IGI Global. Year of Publication: Jan 2019.	
	Name of the book: Practical Applications and Implementations of Machine Learning Techniques. Publisher: IGI Global. Year of Publication: March 2020.	

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Internet of Things based Sericulture Farm Automation using machine learning algorithm.	5,000.00	19/04/2024.	6-8 months	KSCST.

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1.	Shabdkosh Device for Women Safety in Public.	Published on 09/10/2020.

iii. Consultancy

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

7. Awards Received

Awards "Best Paper Award"	
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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.	A Survey on Business Intelligence in Health Care Sector.	Sangeetha K N, Dr. Usha B A, Cheruku Yaraswini.	Journal of Network Security and Data Mining,	Vol 6, Issue 01, pp 13-19, 2023.	-	-	HBRP publication.
2.	Development of Novel Blockchain Technology for Certificate Management System using Cognitive Image Steganography Techniques.	Sangeetha K N, Dr. Seema Singh, Dr. Usha B. A,	Journal of Algebraic Statistics,	Vol 13, Issue 02, ISSN 1309-3452, pp 3032-3041, July 2022.	WOS	-	-
3.	A Survey on Artificial Intelligence Techniques in Cyber Security.	Sangeetha K N, Dr. Usha B A, Dr. Anupama H S	High Technology Letters	Vol 28, Issue 1, ISSN 1006-6748, pp 671-675, January 2022.	-	-	-

4.	M-BOT – An Autonomous Navigating and Mapping Robot	Sangeetha K N, Harikrishna, Savitha A C	High Technology Letters	Vol 27, Issue 7, ISSN 1006-6748, pp 712-721, July 2021.	-	-	-
5.	Data Protection System using Audio Steganography for Secure Transmission	Dr. Usha B A, Sangeetha K N.	Journal of Seybold Report	Volume: 15, Issue : 7, Year: August-2020	Scopus	0.11	Seybold Report
6.	An Overview On Strategies Deployed For Data Concealing in Audio	Dr. Usha B A, Sangeetha K N.	Journal of Seybold Report	Volume: 15, Issue : 8, Year: August-2020	Scopus	0.11	Seybold Report
7.	Design of 4th Order Low Pass Filter Using Memristive Op-Amps.	Sangeetha K N, Bhoomika B A, Meghana M	International Research Journal of Engineering and Technology (IRJET)	Volume: 06 Issue: 06, June 2019	-	-	IRJET
8.	Blinds Personal Assistant Application for Android	Dr. Usha B A, Sangeetha K N.	International Journal for Research in Applied Science & Engineering Technology	Volume: 7, Issue : 1, Year: January 2019	--	--	IJRASET
9.	“Cognitive based Data Classification in Image Steganography for SecuredData Transmission”,	Dr. Usha B A, Sangeetha K N.	International Journal for Scientific Research & Development(IJSRD)	Vol 06, Issue No 9, December 2018.	-	-	IJSRD
10.	Video Steganography for Piracy Prevention in on-demand Internet Streaming Media	Dr. Usha B A, Sangeetha K N.	American International Journal of Research in Science, Technology, Engineering & Mathematics	Volume: 2, Issue : 11, Year: June-August, 2015	--	--	AJRSTEM
11.	Image and Audio Embedding Technique in Image Steganography Using Neural Networks	Dr. Usha B A, Sangeetha K N.	International Journal of Advanced Research in Computer and Communication Engineering	Volume: 03, Issue : 08, Year: June-August 2014	--	--	IJARCCE
12.	A secure data embedding technique in image steganography for medical images	Dr. Usha B A, Sangeetha K N.	International Journal of Advanced Research in Computer and Communication Engineering	Volume: 03, Issue : 08, Year: June-August 2014	--	--	IJARCCE

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

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.	Pilot Implementation of Efficient Automation in Sericulture Farms Using Internet of Things (IoT)	Sangeetha K N	2024 Second International Conference on Networks, Multimedia and Information Technology (NMITCON)	NMIT, Bangalore, 09-10 August 2024	Scopus	-	NMITCON 2024.
2.	Security Enhancement in Image Steganography using Generative Adversarial Networks.	Sangeetha K N	Fifth International Conference on Computing Methodologies and Communication (ICCMC 2021).	Surya Engineering College, Erode, India, 08-10, April 2021.	Scopus		ICCMC 2021.
3.	Comprehensive Review of Smart Cities using IOT.	Dr. Usha B A, Sangeetha K N.	8 th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions).	Amity Institute of Information Technology, Amity University, Uttar Pradesh, India during 4th -5th June, 2020.	--	--	ICRITO
4.	Efficient Data Embedding in Image Steganography using Deep Learning.	Dr. Usha B A, Sangeetha K N.	8th International Conference on Reliability, Infocom Technologies and Optimization organized by Dept. of ECE,	RNSIT, Bangalore, 2020.	-	-	-
5.	Benefits of SVM and Deep Learning in credit card Fraud detection – A Survey.	Sangeetha K N, Dr. Usha B A,	International Conference on Signal, Image Processing Communication & Automation,	JSSATE, Bangalore on 6 th & 7 th July 2017.	--	--	ICSIPCA-2017,
6.	Security Enhancement in Image Steganography Using Neural Networks and Visual Cryptography.	Dr. Usha B A, K S Seethalakshmi, Sangeetha K N.	IEEE International Conference on Computational Systems and Information Systems for Sustainable Solutions.	R V College of Engg, 6th - 8th Oct 2016	--	--	CSITSS - 2016
7.	Comparative analysis on performance of steganography tools using decision trees -A Survey.	Dr. Usha B A, Sangeetha K N.	International Conference on Computer Networking and Information Processing.	AMC College of Engineering, 29th to 30th April 2015	--	--	ICCNIP-2015

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference.	Organizer.	Duration.	Year.
1.	Capacity Building in R&D.	JSS Academy of Technical Education Bangalore.	2 days	9-10, Jan 2025.
2.	DST Sponsored 5-days National Level Faculty Development Program on “Generative AI and Cyber security”.	School of Computer Science and Engineering, REVA University	5 days	24-28, July 2023.
3.	Capacity Building in R&D	JSS Academy of Technical Education Bangalore.	1 day	16th March 2023.
4.	5 th International Conference on Computing Methodologies and Communication (ICCMC2021).	Surya Engineering College, Erode, India.	4 days	08-10, April 2021.
5.	FDP on “Cyber Security”.	AICTE sponsored ATAL FDP.	5 days	24-28 August 2021.
6.	FDP on “Data Science”.	AICTE sponsored ATAL FDP.	5 days	16-20 August 2021
7.	FDP on “Machine Learning and Its Applications”.	Electronics and ICT Academy, IIT Roorkee.	10 days	05 th May 2020 to 14 th May 2020.
8.	FDP on “Outcome Based Education: A Step Towards Excellence”.	Government College of Engineering, Karad. (under Margdarshan Scheme of AICTE, New Delhi)	5 days	11 th May 2020 to 15 th May 2020
9.	National Level FDP on “Research Methodology and LaTeX with Hands-on”.	SVCE, Bangalore.	6 days	06 th July 2020 to 11 th July 2020
10.	National Level online short term training program on “MATLAB for ALL”.	SIRMVIT, Bangalore.	5 days	04 th June 2020 to 08 th June 2020
11.	FDP On “Pedagogical Skills”.	JSSATE Bangalore.	3 days	17 th to 21 st Jan 2017.
12.	FDP on “NS-3 and Its Usage”.	RNS Institute of Technology Bangalore	5 days	27-1 July 2016.
13.	Workshop on “Train the Trainer”.	JSSATE, Bangalore.	6 days	29h Dec 2014 to 3rdJan 2015.
14.	FDP on “Advance VLSI Design Using Cadence Tool Suite”.	JSSATE, Bangalore.	3 days	16-18 July 2014.
15.	FDP on “MATLAB tools for Research”, with hands on experience.	JSSATE, Bangalore.	2 days	4-6 Feb 2013.

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role

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

Sl. No.	Name of the workshop / Conference	Organizer	Date

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1.	Cryptography and Network Security	NPTEL	Feb-March 2020	Qualified.
2.	Introduction to Machine Learning	NPTEL	July-October 2019	Qualified.
3.	Machine Learning for All	COURSERA	8th June 2020	Qualified.
4.	Mathematical Foundations for Cryptography	COURSERA	9th May 2020	Qualified.
5.	Introduction to Data Science in Python	COURSERA	13th June 2020	Qualified.
6.	Introduction to Machine Learning	COURSERA	19th June 2020	Qualified.