

STAFF PROFILE

- 1) Name : Dr.K.Santhosh Kumar
- 2) Department : Computer Science and Applications
- 3) Designation : Assistant Professor of Computer Science and Applications
- 4) Address : Byangi village, west brook, Farm tea post, Kotagiri -643217, The Nilgiris
- 5) Phone No. Office : 0423-2234084
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- 6) E-mail : bbksan@gmail.com
- 7) Academic Qualifications: MCA., M.Phil., MBA., Ph.D

Qualification	Title/Course	University	Year
Ph.D (CS)	Doctor of Philosophy in Computer Science	Bharthiar university	2022
M.Phil (CS)	Master of Philosophy	Bharthiar university	2017
MCA	Master of Computer Applications	Bharthiar university	2009
MBA	HR Marketing	Annamalai university	2011
B.com (ca)	Commerce	Bharthiar university	2006
HSC	Commerce	Govt Hr.Sec.School	2003
High School		Govt Hr.Sec.School	2001

- 8) Additional Qualifications:

Diploma/Vocational/Certification/Swayam/MOOCs	Area of Specialization	Institution/University/Agency Name	Year
CCNA	Networks	Sri Rama Krishna Mission vidhyala College	2008

- 9) **Career profile:**
Current:

Organization	Designation	Duration
Providence College For Women, Coonoor	Assistant Professor of Computer Science and Applications	10+

Previous:

Organization	Designation	Duration
Pandiaraj Matriculation Hr.Sec.School	PGT Assistant	2011-2012
AES TEC (P) LTD	Web Designer	2010

10) Participation in Orientation Programme / Refresher Course / Short term course

S.No	Participation	Organization	Date	Days
1	Virtual Reality	Providence College	21-01-2023	1
2	IQAC	Providence College	05-01-2023	2

11) FDP and curriculum enrichment programme

FDP		
S.NO	Title of the program	Duration (from – to) (DD-MM-YYYY)
1	ML/DL BY USING COLAB KNIME A ROAD MAP(ONLINE FDP)	01-06-2021 to 05-06-2021
2	OPEN SOURCE TOOLS FOR DATA ANALYTICS	24-5-21 to 28-5-21
3	IMPACT OF RESEARCH DURING PANDEMIC (ONLINE FDP)	14-09-2021 to 15-09-2021
4	RECENT TRENDS IN COMPUTING (ONLINE FDP)	08-12-2021 to 12-12-2021
5	INDUSTRY ORIENTED ENERGY AUDIT	03-12-21
6	ESSENTIAL SOFTWARE TOOLS & TRENDS IN INNOVATIVE DESIGN DELIVERY SYSTEM	19-03-2021 to 20-03-2021
7	EDGE AI (ONLINE FDP)	05-11-2021
8	RECENT TRENDS IN COMPUTING (ONLINE FDP)	08-12-2021 to 12-12-2021
9	RESEARCH INNOVATION IN COMPUTER VISION(ONLINE FDP)	20-05-2022 to 25-05-2022
10	INDUSTRY ORIENTED ENERGY AUDIT	03-12-21
11	INDUSTRY 4.0	20-03-2021 to 22-03-2021
12	EDGE AI (ONLINE FDP)	11-05-2021

13	ANALYSIS TOOLS TECHNIQUES	24-05-2021 to 28-05-2021
14	BLOCKCHAIN WITH CYBER SECURITY	24-05-2021 to 29-05-2021
15	DATA ANALYSIS WITH STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES”	27-04-2022 to 06-05-2022
16	NEXT GENERATION COMPUTING	18-04-2022 to 23-04-2022
17	OVERVIEWS OF CAPITAL MARKET	21 -3-22 to 25-3-22
18	WATER – A PRECIOUS NATURAL RESOURCE	22 nd March 2022 to 26 th March 2022”
19	ART OF WRITING A RESEARCH ARTICLE AND INDEXING & PUBLICATION	09-06-2022 to 11-06-2022.
20	DATA ANALYTICS AND MACHINE LEARNING	21-03-22 to 25-03-22
21	TRENDS IN AUTOMOTIVE TECHNOLOGY	
22	“NEW EDUCATION POLICY OF INDIA”	25-03-2021
23	INDUSTRIAL REVOLUTION 4.0	21-5-21 28 -5- 2021
24	EMERGING TRENDS AND CHALLENGES IN HIGHER EDUCATION AND RESEARCH”	18.4.2022 – 22.4.2022.
25	ENHANCING TEACHING AND LEARNING USING ICT	4-04-22 to 8-04-22
26	RESEARCH MANAGEMENT ANALYSIS TOOLS AND TECHNIQUES	24-5-21 to 28-5-21
27	ESSENTIAL SOFTWARE TOOL AND TRENDS IN INNOVATIVE DESIGN DELIVERY SYSTEM	19-3-21 to 20-3-21
28	“ENTHUSIASTIC E-TEACHING” ORGANIZED	31-5-2021
29	EDGE AI	11-05-2021
30	RECENT ADVANCES IN COMPUTER SCIENCE AND ALLIED DOMAINS (RACSAD-2021)”	5-07-21 to 9-07-21
31	INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON TRENDS IN AUTOMOTIVE TECHNOLOGY	17-05-2021 to 22-05-2021
32	ART OF WRITING A RESEARCH ARTICLE AND INDEXING & PUBLICATION	09-06-2022 to 11-06-2022.
33	FOUNDATIONS OF DATA SCIENCE	02 -08-2022 to 07-08-2022
34	RECENT TRENDS IN ARTIFICIAL INTELLIGENCE AND CYBER SECURITY	01-11-2022 to 05-11-2022
35	INSIGHT AND OPEN CHALLENGES IN COMPUTING TECHNOLOGIES	11-07-2022 to 15-07-2022
36	ADVANCED TECHNIQUES IN COMPUTING SCIENCES AND APPLICATIONS	19.11.2022 to 23.11.2022.
37	IMPACT OF ARTIFICIAL INTELLIGENCE	07-11-2022 to 11-11-2022

38	AMAZON WEB SERVICES (AWS)"	22-08-2022 to 27-08-2022
39	RESEARCH ADVANCED IN INTELLIGENT COMPUTING TECHNOLOGIES	19-12-2022 to 23-12-2022
40	SOCIETAL APPLICATIONS OF MACHINE LEARNING	26-12-2022 to 30-12-2022
41	RESEARCH METHODOLOGY: ANALYSIS, TOOLS & TECHNIQUES	28.12.2022-03.01.2023
42	PEDAGOGICAL EXCELLENCE IN ELT	13.02.2023 to 17.02.23

12) Grants Received

EventTitle	Agency	Amount	Date
-	-	-	-

13) Projects

Completed :

ProjectTitle	Agency	Amount	Duration
-	-	-	-

Ongoing

ProjectTitle	Agency	Amount	Duration
-	-	-	-

14) Research Guidance

Programme	No. ofScholars	
	Completed	Pursuing
Ph.D.	-	-
M.Phil.	-	-

15) Research Publications:

PUBLICATIONS		
S.No	Title of the Journal	Title of the Paper
1	Journal of Computational Information Systems (15:1 (2019) 114 TO 122	A Systematic Review on finger Vein Recognition Techniques Based on Template Matching”
2	International Journal of Resent Technology and Engineering (IJRTE)Scopus Index Journal ISSN:2277 :3878, VOLUME 8 Issue : 4 November 2019 Scopus Index Journal	Improved Fuzzy Clustering and Correlation Based User Threshold Selection with tri branch for finger vein recognition
3	International Journal of Psychosocial Rehabilitation ISSN: 1475-7192. Vol. 24 ISSUE 03 2020. Scopus Index Journal	Finger Vein Recognition Using Pattern Matching and Corner Detection Strategies
4	European Journal of Molecular and clinical Medicine ISSN 2515 : 8260 Volume 07 ISSUE 02 2020 Scopus Index Journal	Gabor filter and texture features based improved finger vein authentication
5	International Journal of Health Science	Swarm Optimization based texture

	SCI 2022	classification in extreme scale variations
6	International Journal of Advance and Innovative Research Volume 9 Issue 2 April –June 2022	Reversible watermarking for security of Biometric Images
7	NeuroQuantology December 2022 Volume 20 Issue 16 Page 5737-5755 doi:10.48047/NQ.2022.20.16.NQ880584 eISSN1303-5150	Effective Fog Detection and Removal using a Modified Dark channel Prior method

16) Book publications / Chapters written / Book chapter edited / chapter reviewed

BOOK PUBLISHED	
1	Fundamentals of Computer
2	Familiarize oneself with Educational Technology (International)
Chapters	
1	1

17) Conference / Seminar / Symposium / workshop organized

1	Seminar	CYBER SECURITY And Crypto crime	State Level	25 -01-2023

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18) Presentation in Conference / Seminar / Symposium

CONFERENCE				
S.No	Conference	Participation	Presented	College
1	International Council for Education Research and Training (ICERT) May 21 & 22 2022	Current trends and Challenges in Education, Research		Govt college Hisar
2	International Conference Innovation and Intelligence in Computing Systems (IICS'22) 02		Genetic Algorithm Based Improved Fuzzy	Government Arts College for Women, Ramanathapuram

	May 2022		Clustering	
3	National Conference NCAIRPA 2022		Robotic Process Automation Technical and Industrial Structured Mapping Study	PSGR Krishnammal College for women,CBE
4	National Conference on AI and IoT for Agriculture NCAIAIES-22		IoT for Green Technology	Dr. N.G.P. ARTS AND SCIENCE COLLEGE,CBE
5	International Conference on Bigital Information Security and Computing Technologies ICDISCT-2022		ML Methods for biometric finger vein based authentication	Sankara College of Science and Commerce,Coimbatore
6	International Journal of Advance and Innovative Research		Reversible Watermarking for Security of Biometric images	Indian Academicians and Researchers Association MHRD
7	MEDUNEP 2021	Media Educations and ntnional education policy 2021		Rajiv Gandhi University, Arunachal pradesh
8	International Interdisciplinary Research Conference on Recent Technological developments in computational mathematics and its applications RTDCM 02 SEP 2022		Image Processing for Finger vein Recognition using tri Branch Method	SNR College of arts and science,CBE
9	ICSETI -2022 International conference on Science,Engineering & Technological Innovations from 13- 08-22 to 14-08-22		Resource allocation management and node-level fault tolerance using adaptive particle swarm optimization and first fit heuristic algorithm over grid computing	International conference on Science,Engineering & Technological Innovations BANGKOK,THAILAND.

10	Sri Ramakrishna College of Arts and Science For Women		Business Communication on Social Media	International conference on discovering and harnessing the power of digital marketing
11	PSG College of Arts and Science		DATA TRANSMISSION IN MOBILE WIRELESS NETWORKS	National Conference On Sustainable Computing and Development(NCSCD)2023

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19) Participation in Conference / Seminar / Symposium

SEMINAR		
S.No	Title of the Seminar	Conducted
1	Digital financial Inclusion from 30-08-2022 to 31-08-2022	Suguna college of arts and Science,CBE
2	National level seminar Services Sector in Post Pandemic – Challenges and Opportunities 29-07-22 to 30 -0702022	Sarojini naidu maha vidalaya ,Hyderabad
3	Entrepreneurship startup & Innovation	T.JOHN College
4.	National m on “Quest for Excellence in Innovative Teaching with Blended Learning and Robust Evaluation System in the Light of New Education Policy” from 12-08-2022 to 13-08-2022	Nehru Memorial college, Trichy

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20) Presentation in workshop

WORKSHOP		
S.No	Title of the WorkShop	Conducted
1	Ideas to IP Practical approach to Patenting held on 28 th may 2022	SarojiniNaidu Vanith Vidyala,Hyderabad
2	National Virtual Workshop on Human Values, Human Excellence and Higher Education From 25th- 29th April, 2022	Organised by Vasanta College for Women, Rajghat in collaboration with Sri Sathya Sai University for Human Excellence, Kalaburgi
3	ICT Tools & Effective Presentation Techniques from	T.JOHN College , Hyderabad

	17.10.2022 to 21.10.2022..	
4	National workshop on Skill Enhancement in Technical Education through national Educations policy	NITTE Meenakshi Institute of Technology,Karantaka.
5	National Level e-Workshop on “SECURITIES MARKET” 18th,19th&20th November,2021.	Excel Business School, Komarapalayam, Namakkal
6	AI application Development using IBM Cloud 9 th june 2021	Chalapathi Institute of Engineering & Techonology Guntar
7	“Workshop on Emerging Applications of Blockchain Technology from 10th and 11th June 2021	Vidyavardhaka College of Engineering, Mysuru
8	Online workshop on Linux from 10 -05-2021 to 14-05-2021	VIT Chennai
9	Workshop on Intellectual Property Rights	Hindusthan college of arts and Science,CBE

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21) Resource person / InvitedSpeaker/SessionChair–Conference/Seminar/Workshop

Resource person- Niligiri College of Arts and Science ,Thaloor.

Internshala

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22) Participation in curriculum restructure committees

(Bullet points)

23) Profession related activities

- University Representative for Semester Examinations
- **CBIC School Visit Examiner**
- Certification in Networking from Cisco Network
- Certification in Computer Literacy Program
- DQAC Member
- Sports Commitee (Football,Cricket,Settle,Table Tennis,Basket ball,etc)

(Bullet points)

24) Editorial/ReviewBoardMember

(Bullet points)

25) Membership in professional bodies

(Bullet points)

26) Institutional responsibilities

- Admission committee
- Placement committee
- Research committee
- Election committee
- Sports committee

(Table from CAS)

27) Consultancy

Nature of Consultancy	Client	Amount	CompletionStatus
Driving Class	No.of.client-13	1000	Completed

28) AwardsandAchievements

- BEST RESEARCHER AWARD
- BEST YOUNGEST AWARD
- CHANAKYA AWARD -2022

29) Other Highlights

(Bullet points)