



JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION

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Updated on: 07-02-2021

1. **NAME** : Dr. Sowmya K.N
2. **Date of Birth** : 17-09-1979
3. **Father's Name** : Nanjappa K.S
4. **Date of Joining JSSATE** : 30-07-2007
5. **Present Designation** : Assistant Professor
6. **Gender/ Sex** : Female
7. **Nationality** : Indian
8. **Contact No.** : 9945505336
9. **E-mail ID** : sowmyakn@jssateb.ac.in



10. **Address**

- a. **Correspondence** : #255, 2nd cross, 3rd Block, Nagarbhavi 2nd stage, Bangalore 560072
- b. **Permanent Address** : #255, 2nd cross, 3rd Block, Nagarbhavi 2nd stage, Bangalore 560072
- c. **Employment Type** : **Permanent**

11. **Educational Qualifications:** (In reverse Chronological Order)

Sl. No.	Degree	Branch / Faculty	Specialization	Year of passing	University
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1	Ph.D.	Computer Science	Video Forensics	2020	Visvesvaraya Technological University
2	M.Tech	Computer Science	Computer Network and Engineering	2012	Visvesvaraya Technological University
3	BE	Information Science	Information Science	2004	Visvesvaraya Technological University

12. Service Details (In reverse Chronological Order):

a. Teaching Experience:

Sl. No.	From (dd/mm/yy)	To (dd/mm/yy)	No. of Years	Degree or Diploma Institution	Designation	Name of the Institute
1	01/2012	Till date	9.1 yrs	Degree	Asst. Prof	JSSATE
2	07/2007	01/2012	4.5 yrs	Degree	Lecturer	JSSATE
3	08/2005	06/2007	1 yr 11 month	Degree	Lecturer	JSSATE
Total			15.5 yrs			

13. Field of Expertise / Interest : Image and Video Forensics, Pattern Recognition

14. Details of Publications: Last Five Years

Publon Link : <https://publons.com/researcher/1592771/sowmya-kn/>

Researcher Id: <http://www.researcherid.com/rid/F-6380-2018>

ORCID : <https://orcid.org/0000-0001-7212-8677>

Scopus Link : <https://www.scopus.com/authid/detail.uri?authorId=57192682441>

Google scholar link : <https://scholar.google.co.in/citations?user=Y6LbBlwAAAAJ&hl=en>

As on Date:

Sl. No.	Citation Indices	All	Since 2014
1	Citation	45	45
2	h-index	3	3
3	i10-index	1	1

a. Journals: (Web of Science only) [Reverse chronological order]

Sl . No	Name/s of Author/s	Title of Paper & doi	Journal & Publisher	Publication Details	Impact factor
	Sowmya K.N H.R.Chennamma LalithaRangarajan	Video authentication using spatio temporal relationship for tampering detection 10.1016/j.jisa.2018.07.002	Journal of Information Security and Applications Elsevier	Vol. No. 41 Issue No. August 2018 pp: 159-169 Year: 2018	CiteScore 2017: 2.27 , SJR 2017: 0.346 , SNIP 2017: 1.357

b. Conferences: (Web of Science only) [Reverse chronological order]

Sl . No	Name/s of Author/s	Title of Paper & doi	Journal & Publisher	Publication Details	Impact factor
	Sowmya K.N H.R.Chennamma	Video Authentication Using Watermark and Digital Signature-A Study 10.1007/978-981-10-2471-9_6	Book Series: Advances in Intelligent Systems and Computing Publisher: SPRINGER-VERLAG SINGAPORE PTE LTD, SINGAPORE	Volume: 507 Pages: 53-64 Year: 2017	

c. Conferences: (Scopus only) [Reverse chronological order]

Sl . No	Name/s of Author/s	Title of Paper & doi	Journal & Publisher	Publication Details	Impact factor
1	Sowmya K.N H.R.Chennamma	Video Authentication Using Watermark and Digital Signature-A Study 10.1007/978-981-10-2471-9_6	Book Series: Advances in Intelligent Systems and Computing Publisher: SPRINGER-VERLAG SINGAPORE PTE LTD, SINGAPORE	Volume: 507 Pages: 53-64 Year: 2017	

2	Sowmya K.N H.R.Chennamma	Object based Forgery detection and Localization in Videos	2019 International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE), IEEE DOI: 10.1109/icatiece45860.2019.9063831	Pages:243-247 Publisher IEEE Year:2020	
3	Sowmya K.N Basavaraju H.T H.R Chennamma V.N Manjunath Aradhya	Similarity Analysis of residual frames for inter frame forgery detection in video	Intelligent Computing and Communication, Series Title: Advances in Intelligent Systems and Computing Proceedings of 3rd ICICC 2019, Bangalore, Editors: Bhateja, V., Satapathy, S.C., Zhang, Y.-D., Aradhya, V.N.M. (Eds.) DOI: 10.1007/978-981-15-1084-7	Pages 847-855 Publisher Springer, Singapore Year:2020	

d. Journals: (Scopus only)

Sl . No	Name/s of Author/s	Title of Paper & doi	Journal & Publisher	Publication Details	Impact factor
1	Sowmya K.N H.R.Chennamma LalithaRangarajan	Video authentication using spatio temporal relationship for tampering detection 10.1016/j.jisa.2018.07.002	Journal of Information Security and Applications Elsevier	Vol. No. 41 Issue No. August 2018 pp: 159-169 Year: 2018	CiteScore 2017: 2.27 , SJR 2017: 0.346 , SNIP 2017: 1.357

e. Journals & Conferences (Others):

Sl . No	Name/s of Author/s	Title of Paper & doi	Journal & Publisher	Publication Details	Impact factor
1	Sowmya K.N Dr H.R Chennamma	<i>A Survey on Video Forgery Detection</i> <i>arXiv preprint arXiv: 1503.00843 (2015).</i>	International Journal of Computer Engineering and Applications Publisher : IJCEA	Vol. No. IX Issue No. II pp:17-27 Year:2015	

2	Sowmya K.N Sachin K Rai	<i>A Review on Use of Machine Learning Techniques in Diagnostic Health-Care</i>	Artificial Intelligent Systems and Machine Learning Publisher : CIIT	Volume:10 Issue:4 Pages: 102-107 IF : 0.763	0.763 (src: http://www.ciitresearch.org/journals.html)
3	Sowmya K.N Dr H.R Chennamma	<i>Challenges in Surveillance Video Forgery Detection</i>	International Journal of Scientific & Engineering Research ISSN: 2229-5518 (Proceedings of UGC sponsored 2 days conference on Advances in Computer Science and Engineering (ACSE - 2017) Publisher : IJSER	Vol No. : VIII Issue:5 Month & Year: May 2017 Page No: 138-140	
4	Sowmya K.N, D Sirisha, Divya C.H, Shanmukha Shesha Sai	Long wave infrared - Visual Image matching with Modified EOH using SCHARR filters	Proceedings of National Conference on Brain Storming in Computer Science (BSTORCS 2020) 23-25th January 2020 at Jawaharlal Nehru Institute of Advanced Studies (JNIAS), Hyderabad	Vol:1 Issue:1 Pp:167-171 Publisher Paramount Publishing House ISBN : 978-93-88808-80-4	
5	Sowmya K.N, D Sirisha, Divya C.H, Shanmukha Shesha Sai	Long Wave Infrared and Visual Image Registration with Modified EOH using Gradient Magnitude and Orientation approach	Proceedings of National Conference on Brain Storming in Computer Science (BSTORCS 2020) 23-25th January 2020 at Jawaharlal Nehru Institute of Advanced Studies (JNIAS), Hyderabad	Vol:1 Issue:1 Pp:160-166 Publisher Paramount Publishing House ISBN : 978-93-88808-80-4	

15. Membership to Professional bodies:

Sl. No	Name of Organisation	Annual membership /Life Member	Number of the Membership	Date of Membership
1	ISTE	Indian Society For Technical Education	Life Member	2013
2	CSI	Computer Society of India	Life Member	2015
3	IAENG	International Association of Engineers	Life member	2015

