

## Annexure 5.7.1

Name of the faculty	Academic Research			
	Number of quality publications in referred/SCI Journals, citations, Books/Book Chapters etc.		Ph.D. guided/Ph.D. awarded during the assessment period while working in the institute	
	As provided in SAR (till 2020-21)	After evaluation (till the date of compliance report)	As provided in SAR	After evaluation (till the date of compliance report)
<b>Dr. P N Sudha</b>	07	03	<b>Guiding: 05 Awarded:01</b>	<b>Guiding: 04 Awarded:01</b>
<b>Dr. Surekha Borra</b>	20	08	<b>Guiding: 05 Awarded:00</b>	<b>Guiding: 05 Awarded:00</b>
<b>Dr. B. Sudharshan</b>	-	-	<b>Guiding: 01 Awarded:00</b>	<b>Guiding: 01 Awarded:00</b>
<b>Dr. Rekha N</b>	-	02	-	<b>Guiding: 01 Awarded:00</b>
<b>Dr. Devika B</b>	-	01	--	-
<b>Mr. Sunil Kumar G. R</b>	-	02		
<b>Mrs. Sangeetha V</b>	01	-		
<b>Mrs. Jayasudha B S K</b>	01	01		
<b>Mr. Christo Jain</b>	01	-		
<b>Mrs. Aruna Rao BP</b>	05	-		
<b>Mr. Saleem S Tevaramani</b>	-	02		



**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**RESEARCH PUBLICATIONS**  
**QUALITY PUBLICATIONS**  
**Academic Year 2023-24**

<b>Book chapter publications</b>			
<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Chapter</b>	<b>Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations</b>
1	Dr. Rekha N	Computer vision based home automation	Recent Trends in Computational Sciences”, 1st Edition, Taylor and Francis Group, Imprint- CRC Press. eBook ISBN 9781003363781, 2023. <a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003363781/recent-trends-computational-sciences-gururaj-francesco-flammini-pooja?refId=24828f86-47c4-4f91-b6d2-346a15e79a01&amp;context=ubx">https://www.taylorfrancis.com/books/edit/10.1201/9781003363781/recent-trends-computational-sciences-gururaj-francesco-flammini-pooja?refId=24828f86-47c4-4f91-b6d2-346a15e79a01&amp;context=ubx</a> <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003363781-8/computer-vision-based-home-automation-srinivasan-srividya-rekha">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003363781-8/computer-vision-based-home-automation-srinivasan-srividya-rekha</a>

### SCOPUS Publications

<b>Book chapter publications</b>			
<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Chapter</b>	<b>Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations</b>
1	Dr. P N Sudha	Development of renewable energy system for low power underwater devices	Indonesian Journal of Electrical Engineering and Computer Science, Vol. 31, No. 1, pp. 68-76, July 2023, ISSN: 2502-4752
2	Dr. Rekha N	Reinforcing Optimization enabled Interactive Approach for Liver Tumor Extraction in CT Images	International Journal of Electrical and Computer Engineering (IJECE), Vol. 13, No.4, pp.4076-4086, 2023 ISSN 2088-8708, e-ISSN 2722-2578, a Scopus/ScimagoJR indexed Q2 journal on August, 2023. DOI: 10.11591/ijece.v13i4.pp4076-408



**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**RESEARCH PUBLICATIONS**  
**QUALITY PUBLICATIONS**  
**Academic Year 2022-23**

**IEEE Transactions**

Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, <b><u>DOI, ISSN:), Impact Factor: Indexed in SCI/Scopus/UGC, No. of Citations</u></b>
1	Dr. Surekha Borra	Challenges of Deep Learning in Medical Image Analysis—Improving Explainability and Trust	IEEE Transactions on Technology and Society, vol. 4, no. 1, pp. 68-75, March 2023. DOI: 10.1109/TTS.2023.3234203 Link: <a href="https://ieeexplore.ieee.org/document/10005626">https://ieeexplore.ieee.org/document/10005626</a> Journal Link: <a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8566059">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8566059</a>

**SCI Publications**

<b>Book chapter publications</b>			
Sl. No.	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp, ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. Surekha Borra, Mr. Sunil Kumar G.R	Real-Time Piracy Detection Based on Thermogram Analysis and Machine Learning Techniques	Computational Intelligence in Communications and Business Analytics, Communications in Computer and Information Science book series, Vol.1579, pp. 336-350, 2022. [ISSN:1865-0929, E-ISSN:1865-0937] Link: <a href="https://doi.org/10.1007/978-3-031-10766-5_27">https://doi.org/10.1007/978-3-031-10766-5_27</a> Journal Link: <a href="https://www.springer.com/series/7899">https://www.springer.com/series/7899</a> UGC Care List: Group-II Scopus Link: <a href="https://www.scopus.com/sourceid/17700155007">https://www.scopus.com/sourceid/17700155007</a> SCI Link: <a href="https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0</a>

**INTERNATIONAL JOURNAL PUBLICATIONS**

Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, <b><u>DOI, ISSN:), Impact Factor: Indexed in SCI/Scopus/UGC, No. of Citations</u></b>
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1	Dr. Surekha Borra, Mr. Sunil Kumar G.R	Real-Time Piracy Detection Based on Thermogram Analysis and Machine Learning Techniques	Computational Intelligence in Communications and Business Analytics, Communications in Computer and Information Science book series, Vol.1579, pp. 336-350, 2022. [ISBN978-3-031-10766-5] Link: <a href="https://doi.org/10.1007/978-3-031-10766-5_27">https://doi.org/10.1007/978-3-031-10766-5_27</a> Journal Link: <a href="https://www.springer.com/series/7899">https://www.springer.com/series/7899</a> UGC Care List: Group-II Scopus Link: <a href="https://www.scopus.com/sourceid/17700155007">https://www.scopus.com/sourceid/17700155007</a> SCI Link: <a href="https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0</a>
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## SCOPUS Publications

Book chapter publications			
Sl. No.	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha Dr. Devika B	Chronological –Squirrel Earth Worm Optimization for Power Minimization using Topology Management in MANET	Distributed Computing and Optimization Techniques, Lecture Notes in Electrical Engineering ,Vol. 903, pp.219-229,2022.[ISBN:978-981-19-2281-7] DOI: <a href="https://doi.org/10.1007/978-981-19-2281-7_21">https://doi.org/10.1007/978-981-19-2281-7_21</a> Link: <a href="https://link.springer.com/chapter/10.1007/978-981-19-2281-7_21">https://link.springer.com/chapter/10.1007/978-981-19-2281-7_21</a> Scopus Link: <a href="https://www.scopus.com/sourceid/19700186822">https://www.scopus.com/sourceid/19700186822</a>
2	Mr. Sunil Kumar G.R, Dr. Surekha Borra	In-Theatre Real Time Piracy Detection and Discouraging System	Design Studies and Intelligence Engineering , Proceedings of DSIE 2022, Frontiers in Artificial Intelligence and Applications Series, Vol. 365, pp.220-229,2023. [ISBN:978-1-64368-372-0] DOI: 10.3233/FAIA220716, <a href="https://ebooks.iospress.nl/volumearticle/62652">https://ebooks.iospress.nl/volumearticle/62652</a> link: <a href="https://ebooks.iospress.nl/volumearticle/62652">https://ebooks.iospress.nl/volumearticle/62652</a> Paper link: <a href="https://ebooks.iospress.nl/volume/design-studies-and-intelligence-engineering-proceedings-of-dsie-2022">https://ebooks.iospress.nl/volume/design-studies-and-intelligence-engineering-proceedings-of-dsie-2022</a> Book series Link: <a href="https://ebooks.iospress.nl/volumearticle/62652">https://ebooks.iospress.nl/volumearticle/62652</a> <a href="https://www.scopus.com/sourceid/19500157321">https://www.scopus.com/sourceid/19500157321</a> <a href="https://www.scimagojr.com/journalsearch.php?q=19500157321&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=19500157321&amp;tip=sid&amp;clean=0</a> Scopus Link: <a href="https://www.scopus.com/sourceid/19500157321">https://www.scopus.com/sourceid/19500157321</a>
3	Dr. Surekha Borra, Mr. Sunil Kumar G.R	Real-Time Piracy Detection Based on Thermogram Analysis and Machine Learning Techniques	Computational Intelligence in Communications and Business Analytics, Communications in Computer and Information Science book series, Vol.1579, pp. 336-350, 2022. [ISBN:978-3-031-10766-5] DOI: <a href="https://doi.org/10.1007/978-3-031-10766-5_27">https://doi.org/10.1007/978-3-031-10766-5_27</a> Journal Link:

			<a href="https://www.springer.com/series/7899">https://www.springer.com/series/7899</a> UGC Care List: Group-II Scopus Link: <a href="https://www.scopus.com/sourceid/17700155007">https://www.scopus.com/sourceid/17700155007</a> SCI Link: <a href="https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0</a>
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1	Dr. Surekha Borra	CLAHE Enhanced Hybrid Feature Descriptors for Classification of Acute Lymphoblastic Leukemia in Blood Smear Images	International Journal of Biomedical Engineering and Technology, Vol. 43, No.4, pp. 309-328, 2023, Q3. [ISSN: 1752-6426] DOI: 10.1504/IJBET.2023.10054302 Link: <a href="https://www.scimagojr.com/journalsearch.php?q=19700186853&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=19700186853&amp;tip=sid&amp;clean=0</a> Scopus Link: <a href="https://www.scopus.com/sourceid/19700186853">https://www.scopus.com/sourceid/19700186853</a> SCI link: <a href="https://mjl.clarivate.com/search-results?issn=1752-6418&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=journal-profile-share-this-journal">https://mjl.clarivate.com/search-results?issn=1752-6418&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=journal-profile-share-this-journal</a>
2	Dr. Surekha Borra, Mr. Sunil Kumar G.R	Real-Time Piracy Detection Based on Thermogram Analysis and Machine Learning Techniques	Computational Intelligence in Communications and Business Analytics, Communications in Computer and Information Science book series, Vol.1579, pp. 336-350, 2022. [ISSN:1865-0929] DOI: <a href="https://doi.org/10.1007/978-3-031-10766-5_27">https://doi.org/10.1007/978-3-031-10766-5_27</a> Journal Link: <a href="https://www.springer.com/series/7899">https://www.springer.com/series/7899</a> UGC Care List: Group-II Scopus Link: <a href="https://www.scopus.com/sourceid/17700155007">https://www.scopus.com/sourceid/17700155007</a> SCI Link: <a href="https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0</a>
3	Mr. Saleem S Tevaramani	Alpha Blending Image Steganography using Discrete Wavelet Transform and Singular Value Decomposition	Journal of Northeastern University, Vol.25, No.4, pp.3275-3286, 2022. [ISSN: 1005-3026]. Paper Link: <a href="http://dbdxxb.cn/wp-content/uploads/2022/12/Saleem-S-Tevaramani.pdf">http://dbdxxb.cn/wp-content/uploads/2022/12/Saleem-S-Tevaramani.pdf</a> Scopus Link: <a href="https://www.scopus.com/sourceid/16040">https://www.scopus.com/sourceid/16040</a> SCI Link: <a href="https://www.scimagojr.com/journalsearch.php?q=16040&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=16040&amp;tip=sid&amp;clean=0</a>

4	Mr. Saleem S Tevaramani	Image Steganography using Fast Discrete Curvelet Transformation for Secure Communication	Journal of Data Acquisition and Processing, Vol.38, pp.1580-1587,2023[ISSN:1004-9037]. DOI: 10.5281/zenodo.9854912 Paper Link: <a href="https://sjcjycl.cn/article/view-2023/pdf/03_1580.pdf">https://sjcjycl.cn/article/view-2023/pdf/03_1580.pdf</a> Scopus Link: <a href="https://www.scopus.com/sourceid/20765">https://www.scopus.com/sourceid/20765</a> SCI Link: <a href="https://www.scimagojr.com/journalsearch.php?q=20765&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=20765&amp;tip=sid&amp;clean=0</a>
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## IEEE/SPRINGER CONFERENCE PUBLICATIONS

IEEE/SPRINGER CONFERENCE PUBLICATIONS			
Sl. No	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN:SCI/Scopus/UGC Indexed Link, No. of Citations
1.	Dr. Surekha Borra	Real-Time Piracy Detection Based on Thermogram Analysis and Machine Learning Techniques	Computational Intelligence in Communications and Business Analytics, Communications in Computer and Information Science book series, Vol.1579, pp. 336-350, 2022. [ISBN: 78-3-031-10766-5] DOI: <a href="https://doi.org/10.1007/978-3-031-10766-5_27">https://doi.org/10.1007/978-3-031-10766-5_27</a> Journal Link: <a href="https://www.springer.com/series/7899">https://www.springer.com/series/7899</a> UGC Care List: Group-II Scopus Link: <a href="https://www.scopus.com/sourceid/17700155007">https://www.scopus.com/sourceid/17700155007</a> SCI Link: <a href="https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=17700155007&amp;tip=sid&amp;clean=0</a>



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**Academic Year 2021-22**

**SCI Publications**

<b>INTERNATIONAL JOURNAL PUBLICATIONS</b>			
Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor: Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. Surekha Borra	Digital Video Watermarking Tools: An Overview	International Journal of Information and Computer Security, Vol.16, No.1-2, pp.1-19, 2021. [ISSN: 1744-1765] Paper Link: <a href="https://www.inderscienceonline.com/doi/epdf/10.1504/IJICS.2021.117391">https://www.inderscienceonline.com/doi/epdf/10.1504/IJICS.2021.117391</a> Journal Link: <a href="https://www.inderscience.com/jhome.php?jcode=ijics">https://www.inderscience.com/jhome.php?jcode=ijics</a> UGC Care List: Group-II Scopus Link: <a href="https://www.scopus.com/sourceid/19400156805">https://www.scopus.com/sourceid/19400156805</a> SCI Link : <a href="https://www.scimagojr.com/journalsearch.php?q=19400156805&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=19400156805&amp;tip=sid&amp;clean=0</a>

**SCOPUS Publications**

<b>Book chapter publications</b>			
Sl. No.	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp, ISBN/ISSN:Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha, Mrs. Jayasudha B S K	Machine Learning Techniques for Cardiovascular Risk Score - Prediction	IEEE MysuruCon-2021, NAVKIS College of Engineering, Hassan, 24 <sup>th</sup> -25 <sup>th</sup> October 2021 pp. 505-509. [ISBN: 978-1-6654-1143-1] Link: <a href="https://doi.org/10.1109/MysuruCon52639.2021.9641581">https://doi.org/10.1109/MysuruCon52639.2021.9641581</a> Paper Link: <a href="https://ieeexplore.ieee.org/document/9641581">https://ieeexplore.ieee.org/document/9641581</a> Scopus Link: <a href="https://www.scopus.com/authid/detail.uri?authorId=57192552807&amp;origin=recordpage">https://www.scopus.com/authid/detail.uri?authorId=57192552807&amp;origin=recordpage</a>
2	Dr. Surekha Borra	Real-Time Face Detection and Recognition on Raspberry Pi using LBP and Deep Learning	International Conference on Data Science, Machine Learning and Artificial Intelligence (DSMLAI) Faculty of Computing and Informatics, Namibia University of Science and Technology (NUST), Windhoek, Namibia, 9 <sup>th</sup> – 12 <sup>th</sup> August 2021. pp.124-129. [ISBN: 978-1-4503-8763-7] Link: <a href="https://doi.org/10.1145/3484824.3484903">https://doi.org/10.1145/3484824.3484903</a> Scopus Link: <a href="https://www.scopus.com/sourceid/11600154611">https://www.scopus.com/sourceid/11600154611</a>
3	Dr. Surekha Borra	A Hybrid Reversible Image Watermarking Technique Based on Fractal Encryption and Grey Wolf Optimization	IEEE MysuruCon-2021, NAVKIS College of Engineering, Hassan, 24 <sup>th</sup> -25 <sup>th</sup> October 2021. pp. 445-449 [ISBN: 978-1-6654-1143-1] Link: <a href="https://doi.org/10.1109/MysuruCon52639.2021.9641625">https://doi.org/10.1109/MysuruCon52639.2021.9641625</a> Paper Link: <a href="https://ieeexplore.ieee.org/document/9641625">https://ieeexplore.ieee.org/document/9641625</a> Scopus Link:

			<a href="https://www.scopus.com/authid/detail.uri?authorId=56426918600">https://www.scopus.com/authid/detail.uri?authorId=56426918600</a>
4	Dr. Surekha Borra	Evaluation of Machine Learning Models for Real-Time Sign Recognition	IEEE MysuruCon-2021, NAVKIS College of Engineering, Hassan, 24 <sup>th</sup> -25 <sup>th</sup> October 2022. pp. 238-243 [ISBN:978-1-6654-1143-1] Link: <a href="https://doi.org/10.1109/MysuruCon52639.2021.9641518">https://doi.org/10.1109/MysuruCon52639.2021.9641518</a> Paper Link: <a href="https://ieeexplore.ieee.org/document/9641518">https://ieeexplore.ieee.org/document/9641518</a> Scopus Link: <a href="https://www.scopus.com/authid/detail.uri?authorId=56426918600">https://www.scopus.com/authid/detail.uri?authorId=56426918600</a>

<b>INTERNATIONAL JOURNAL PUBLICATIONS</b>			
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1	Dr. Surekha Borra	Digital Video Watermarking Tools: An Overview	International Journal of Information and Computer Security, Vol.16, No.1-2, pp.1-19, 2021. [ISSN: 1744-1765] Paper Link: <a href="https://www.inderscienceonline.com/doi/epdf/10.1504/IJICS.2021.117391">https://www.inderscienceonline.com/doi/epdf/10.1504/IJICS.2021.117391</a> Journal Link: <a href="https://www.inderscience.com/jhome.php?jcode=ijics">https://www.inderscience.com/jhome.php?jcode=ijics</a> UGC Care List: Group-II Scopus Link: <a href="https://www.scopus.com/sourceid/19400156805">https://www.scopus.com/sourceid/19400156805</a> SCI Link : <a href="https://www.scimagojr.com/journalsearch.php?q=19400156805&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=19400156805&amp;tip=sid&amp;clean=0</a>

### **IEEE/SPRINGER/ACM CONFERENCE PUBLICATIONS**

<b>Book chapter publications</b>			
Sl. No.	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN:SCI/Scopus/UGC Indexed Link, No. of Citations
1.	Dr. P N Sudha, Mrs. Jayasudha B S K	Machine Learning Techniques for Cardiovascular Risk Score - Prediction	IEEE MysuruCon-2021, NAVKIS College of Engineering, Hassan, 24 <sup>th</sup> -25 <sup>th</sup> October 2021. [ISBN: 978-1-6654-1143-1] Link: <a href="https://doi.org/10.1109/MysuruCon52639.2021.9641581">https://doi.org/10.1109/MysuruCon52639.2021.9641581</a> Paper Link: <a href="https://ieeexplore.ieee.org/document/9641581">https://ieeexplore.ieee.org/document/9641581</a> Scopus Link: <a href="https://www.scopus.com/authid/detail.uri?authorId=57192552807&amp;origin=recordpage">https://www.scopus.com/authid/detail.uri?authorId=57192552807&amp;origin=recordpage</a>
2	Dr. Surekha Borra	Real-Time Face Detection and Recognition on Raspberry Pi using LBP and Deep Learning	International Conference on Data Science, Machine Learning and Artificial Intelligence (DSMLAI) Faculty of Computing and Informatics, Namibia University of Science and Technology (NUST), Windhoek, Namibia, 9 <sup>th</sup> – 12 <sup>th</sup> August 2021. pp.124-129. [ISBN: 978-1-4503-8763-7] Link: <a href="https://doi.org/10.1145/3484824.3484903">https://doi.org/10.1145/3484824.3484903</a> Scopus Link: <a href="https://www.scopus.com/sourceid/11600154611">https://www.scopus.com/sourceid/11600154611</a>



3	Dr. Surekha Borra	A Hybrid Reversible Image Watermarking Technique Based on Fractal Encryption and Grey Wolf Optimization	<p>IEEE MysuruCon-2021, NAVKIS College of Engineering, Hassan, 24<sup>th</sup>-25<sup>th</sup> October 2021. pp. 445-449 [ISBN: 978-1-6654-1143-1]</p> <p>Link:  <a href="https://doi.org/10.1109/MysuruCon52639.2021.9641625">https://doi.org/10.1109/MysuruCon52639.2021.9641625</a>  Paper Link:  <a href="https://ieeexplore.ieee.org/document/9641625">https://ieeexplore.ieee.org/document/9641625</a>  Scopus Link:  <a href="https://www.scopus.com/authid/detail.uri?authorId=56426918600">https://www.scopus.com/authid/detail.uri?authorId=56426918600</a></p>
4	Dr. Surekha Borra	Evaluation of Machine Learning Models for Real-Time Sign Recognition	<p>IEEE MysuruCon-2021, NAVKIS College of Engineering, Hassan, 24<sup>th</sup>-25<sup>th</sup> October 2022. [ISBN:978-1-6654-1143-1]</p> <p>Link:  <a href="https://doi.org/10.1109/MysuruCon52639.2021.9641518">https://doi.org/10.1109/MysuruCon52639.2021.9641518</a>  Paper Link:  <a href="https://ieeexplore.ieee.org/document/9641518">https://ieeexplore.ieee.org/document/9641518</a>  Scopus Link:  <a href="https://www.scopus.com/authid/detail.uri?authorId=56426918600">https://www.scopus.com/authid/detail.uri?authorId=56426918600</a></p>



**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**RESEARCH PUBLICATIONS**  
**QUALITY PUBLICATIONS**  
**Academic Year 2020-21**

**WEB OF SCIENCE Publications**

<b>INTERNATIONAL JOURNAL PUBLICATIONS</b>			
<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Paper</b>	<b>Publication Details (Journal name, Vol., No., pp, month &amp; year, DOI, ISSN:), Impact Factor: Indexed in SCI/Scopus/UGC, No. of Citations</b>
1	Dr. Surekha Borra	Fragile Watermarking Framework for Tamper Detection of Color Biometric Image	International Journal of Digital Crime and Forensics, Vol.13, No. 2, pp. 100518-115538, 2021, ISSN: 1941-6210 Paper link: <a href="https://www.igi-global.com/article/fragile-watermarking-framework-for-tamper-detection-of-color-biometric-images/272832">https://www.igi-global.com/article/fragile-watermarking-framework-for-tamper-detection-of-color-biometric-images/272832</a>  <a href="https://mjl.clarivate.com/search-results?issn=1941-6210&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-these-results">https://mjl.clarivate.com/search-results?issn=1941-6210&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-these-results</a>
2	Dr. Surekha Borra	Hybrid, Blind and Robust Image Watermarking: RDWT – NSCT based Secure Approach for Telemedicine Applications	Multimedia Tools and Applications, Vol.80, pp. 27593–27613, 2021 Paper link: <a href="https://link.springer.com/article/10.1007/s11042-021-11064-y">https://link.springer.com/article/10.1007/s11042-021-11064-y</a>  <a href="https://mjl.clarivate.com/search-results?issn=1380-7501&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1380-7501&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>
3	Dr. Surekha Borra	Difference Expansion Based Reversible Watermarking Algorithms for Copyright Protection of Images: State-of-The-Art and Challenges	International Journal of Speech Technology, 2021, pp.1-30 Published Online in Feb 2021 ISSN:1381-2416 Paper link: <a href="https://www.springerprofessional.de/difference-expansion-based-reversible-watermarking-algorithms-fo/18883728">https://www.springerprofessional.de/difference-expansion-based-reversible-watermarking-algorithms-fo/18883728</a>  <a href="https://mjl.clarivate.com/search-results?issn=1381-2416&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1381-2416&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>
4	Dr. Surekha Borra	Misinformation about COVID-19 and confidential information leakage: Impacts on the psychological well-being of Indians	Current Psychiatry Research and Reviews, Vol.16, No.4, pp.283- 287, 2020, ISSN:2666-0822 Paper link: <a href="https://www.eurekaselect.com/node/186008/article/misinformation-about-covid-19-and-confidential-information-">https://www.eurekaselect.com/node/186008/article/misinformation-about-covid-19-and-confidential-information-</a>

			leakage-impacts-on-the-psychological-well-being-of-indians <a href="https://mjl.clarivate.com:/search-results?issn=2666-0822&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-these-results">https://mjl.clarivate.com:/search-results?issn=2666-0822&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-these-results</a>
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## SCI Publications

INTERNATIONAL JOURNAL PUBLICATIONS			
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2	Dr. Surekha Borra	Difference Expansion Based Reversible Watermarking Algorithms for Copyright Protection of Images: State-of-The-Art and Challenges	International Journal of Speech Technology, (2021). Paper link: <a href="https://www.springerprofessional.de/difference-expansion-based-reversible-watermarking-algorithms-fo/18883728">https://www.springerprofessional.de/difference-expansion-based-reversible-watermarking-algorithms-fo/18883728</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=26802&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=26802&amp;tip=sid&amp;clean=0</a>
3	Dr. Surekha Borra	A Survey on Prevention Techniques for Camcorder Video Piracy in Movie Theatres	Recent Patents on Engineering, Vol.15, No.2, 2021 ISSN: 1872-2121, 2212-4047, [Accepted, In Press]. [DOI: 10.2174/1872212115666201208000236] Paper link: <a href="https://www.eurekaselect.com/188813/article">https://www.eurekaselect.com/188813/article</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=1872-2121">https://www.scimagojr.com/journalsearch.php?q=1872-2121</a>
4	Dr. Surekha Borra	Detection and Classification of Leukocytes in Blood Smear Images: State-of-the-Art and Challenges	International Journal of Ambient Computing and Intelligence, Vol. 12, No.2, pp. 030720-041648, 2021, ISSN: 1941-6237 Paper link: <a href="https://www.igi-global.com/article/detection-and-classification-of-leukocytes-in-blood-smear-images/275761">https://www.igi-global.com/article/detection-and-classification-of-leukocytes-in-blood-smear-images/275761</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=1941-6237+">https://www.scimagojr.com/journalsearch.php?q=1941-6237+</a>
5	Dr. Surekha Borra	Misinformation about COVID-19 and confidential information leakage: Impacts on the psychological well-being of Indians	Current Psychiatry Research and Reviews, Vol.16, No.4, pp.283- 287, 2020, ISSN:2666-0822 Paper link: <a href="https://www.eurekaselect.com/node/186008/article/misinformation-about-covid-19-and-confidential-information-leakage-impacts-on-the-psychological-well-being-of-indians">https://www.eurekaselect.com/node/186008/article/misinformation-about-covid-19-and-confidential-information-leakage-impacts-on-the-psychological-well-being-of-indians</a>

			<a href="https://www.scimagojr.com/journalsearch.php?q=2666-0830">https://www.scimagojr.com/journalsearch.php?q=2666-0830</a>
6	Dr. Surekha Borra	Progression in Biometric Recognition Systems and its Security	Recent Patents on Engineering, Vol. 14, No.1, 2020, ISSN: 1872-2121, [Accepted, In Press] DOI: 10.2174/1872212114999200918122905 Paper link: <a href="https://www.eurekaselect.com/node/186068/article/progression-in-biometric-recognition-systems-and-its-security">https://www.eurekaselect.com/node/186068/article/progression-in-biometric-recognition-systems-and-its-security</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=1872-2121">https://www.scimagojr.com/journalsearch.php?q=1872-2121</a>
7	Dr. Surekha Borra	Development of magnetic resonance image de-noising methodologies: A comprehensive overview of the state-of-the-art	Smart Health, Vol. 18, Nov. 2020, E-ISSN:2352-6483] [Scopus Indexed]. Paper link: <a href="https://www.sciencedirect.com/science/article/abs/pii/S2352648320300301">https://www.sciencedirect.com/science/article/abs/pii/S2352648320300301</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=2352-6483">https://www.scimagojr.com/journalsearch.php?q=2352-6483</a>
8	Dr. Surekha Borra	Hybrid, Blind and Robust Image Watermarking: RDWT – NSCT based Secure Approach for Telemedicine Applications	Multimedia Tools and Applications, Vol.80, pp. 27593–27613, 2021 Paper link: <a href="https://link.springer.com/article/10.1007/s11042-021-11064-y">https://link.springer.com/article/10.1007/s11042-021-11064-y</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=25627&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=25627&amp;tip=sid&amp;clean=0</a>

### SCOPUS Publications

Book chapter publications			
Sl. No.	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Power-Cognizant Proactive Routing Protocol for Amending Energy in Ad-hoc Networks	Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 601), pp 152-159,2020 DOI:10.1007/978-981-15-1420-3_17 link: <a href="https://link.springer.com/chapter/10.1007/978-981-15-1420-3_17">https://link.springer.com/chapter/10.1007/978-981-15-1420-3_17</a>  <a href="https://www.scopus.com/authid/detail.uri?authorId=57192552807">https://www.scopus.com/authid/detail.uri?authorId=57192552807</a>
2	Dr. Surekha Borra	COVID-19 Apps: Privacy and Security Concerns	Intelligent Systems and Methods to Combat Covid-19, Springer Briefs in Applied Sciences and Technology. Springer, Singapore., Chapter 2, pp. 11-17, 2020, Online ISBN: 978-981-15-6572-4 Link: <a href="https://doi.org/10.1007/978-981-15-6572-4_2">https://doi.org/10.1007/978-981-15-6572-4_2</a>  <a href="https://www.scopus.com/sourceid/21100321695">https://www.scopus.com/sourceid/21100321695</a>
3	Dr. Surekha Borra	Automation of Anomaly Detection in Warehouses: A Machine Learning-Based	Lect. Notes in Networks, Syst., Vol. 169, Proceeding of First Doctoral Symposium on Natural Computing Research, Chapter 16, 2020, ISBN: 978-981-33-4072-5.

		Approach	Link: <a href="https://link.springer.com/chapter/10.1007/978-981-33-4073-2_16">https://link.springer.com/chapter/10.1007/978-981-33-4073-2_16</a>  <a href="https://www.scopus.com/sourceid/21100901469">https://www.scopus.com/sourceid/21100901469</a>
4	Dr. Surekha Borra	Acute-Lymphoblastic Leukaemia Detection through Deep Transfer Learning Approach of Neural Network	Lect. Notes in Networks, Syst., Vol. 169, Proceeding of First Doctoral Symposium on Natural Computing Research, Chapter 17, 2020, ISBN: 978-981-33-4072-5. Link: <a href="https://link.springer.com/chapter/10.1007/978-981-33-4073-2_17">https://link.springer.com/chapter/10.1007/978-981-33-4073-2_17</a>  <a href="https://www.scopus.com/sourceid/21100901469">https://www.scopus.com/sourceid/21100901469</a>
5	Dr. Surekha Borra	Secure Anti-piracy System	Intelligent System Design, Advances in Intelligent Systems and Computing, Vol 1171. Springer, Singapore., pp. 827-835, 2021. Online ISBN: 978-981-15-5400-1, Print ISBN 978-981-15-5399-8, ISSN 2194-5365, <a href="https://doi.org/10.1007/978-981-15-5400-1_78">https://doi.org/10.1007/978-981-15-5400-1_78</a> , Link: <a href="https://link.springer.com/chapter/10.1007/978-981-15-5400-1_78">https://link.springer.com/chapter/10.1007/978-981-15-5400-1_78</a>  <a href="https://www.scopus.com/sourceid/5100152904">https://www.scopus.com/sourceid/5100152904</a>

#### INTERNATIONAL JOURNAL PUBLICATIONS

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1	Dr. Surekha Borra	Fragile Watermarking Framework for Tamper Detection of Color Biometric Images	International Journal of Digital Crime and Forensics, Vol.13, No. 2, pp. 100518-115538, 2021, ISSN: 1941-6210 Paper link: <a href="https://www.igi-global.com/article/fragile-watermarking-framework-for-tamper-detection-of-color-biometric-images/272832">https://www.igi-global.com/article/fragile-watermarking-framework-for-tamper-detection-of-color-biometric-images/272832</a>  <a href="https://www.scopus.com/sourceid/19700186847">https://www.scopus.com/sourceid/19700186847</a>
2	Dr. Surekha Borra	Difference Expansion Based Reversible Watermarking Algorithms for Copyright Protection of Images: State-of-The-Art and Challenges	International Journal of Speech Technology, (2021). Paper link: <a href="https://doi.org/10.1007/s10772-021-09818-y">https://doi.org/10.1007/s10772-021-09818-y</a>  <a href="https://www.scopus.com/sourceid/26802">https://www.scopus.com/sourceid/26802</a>
3	Dr. Surekha Borra	A Survey on Prevention Techniques for Camcorder Video Piracy in Movie Theatres	Recent Patents on Engineering, Vol.15, No.2, 2021 ISSN: 1872-2121, 2212-4047, [Accepted, In Press]. [DOI: 10.2174/1872212115666201208000236] Paper link: <a href="https://www.eurekaselect.com/188813/article">https://www.eurekaselect.com/188813/article</a>  <a href="https://www.scopus.com/sourceid/11500153307">https://www.scopus.com/sourceid/11500153307</a>
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		State-of-the-Art and Challenges	Paper link: <a href="https://www.igi-global.com/article/detection-and-classification-of-leukocytes-in-blood-smear-images/275761">https://www.igi-global.com/article/detection-and-classification-of-leukocytes-in-blood-smear-images/275761</a>  <a href="https://www.scopus.com/sourceid/19700186849">https://www.scopus.com/sourceid/19700186849</a>
5	Dr. Surekha Borra	Misinformation about COVID-19 and confidential information leakage: Impacts on the psychological well-being of Indians	Current Psychiatry Research and Reviews, Vol.16, No.4, pp.283-287, 2020, ISSN:2666-0822 Paper link: <a href="https://www.eurekaselect.com/node/186008/article/misinformation-about-covid-19-and-confidential-information-leakage-impacts-on-the-psychological-well-being-of-indians">https://www.eurekaselect.com/node/186008/article/misinformation-about-covid-19-and-confidential-information-leakage-impacts-on-the-psychological-well-being-of-indians</a>  <a href="https://www.scopus.com/sourceid/21100936011">https://www.scopus.com/sourceid/21100936011</a>
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7	Dr. Surekha Borra	Development of magnetic resonance image de-noising methodologies: A comprehensive overview of the state-of-the-art	Smart Health, Vol. 18, Nov. 2020, E-ISSN:2352-6483 [Scopus Indexed]. Paper link: <a href="https://www.sciencedirect.com/science/article/abs/pii/S2352648320300301">https://www.sciencedirect.com/science/article/abs/pii/S2352648320300301</a>  <a href="https://www.scopus.com/sourceid/21100894507">https://www.scopus.com/sourceid/21100894507</a>
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### IEEE/SPRINGER CONFERENCE PUBLICATIONS

IEEE/SPRINGER CONFERENCE PUBLICATIONS			
Sl. No	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN:SCI/Scopus/UGC Indexed Link, No. of Citations
1.	Dr. P N Sudha	Electronic Gauge for Micron Measurement and its Relevance to Industry 4.0	2nd International Conference on Adaptive Computational Intelligence, (ICACI-2020), GSSS Institute of Engineering and Technology for Women, Mysuru, 15th – 16th Dec 2020
2	Dr. B Surekha	Detection of Piracy: Approaches and Challenges	2nd International Conference on Adaptive Computational Intelligence, (ICACI-2020), GSSS Institute of Engineering and Technology for Women, Mysuru, 15th – 16th Dec 2020

3	Mrs. Jayasudha B S K	Ensemble Learning as A Prerogative Method of Predicting Mortality of Patients with Cardiovascular Diseases	7 <sup>th</sup> international conference on Electronics, Computing and Communication Technologies, IEEE,9 <sup>th</sup> -11 <sup>th</sup> July 2021
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**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**RESEARCH PUBLICATIONS**  
**QUALITY PUBLICATIONS**  
**Academic Year 2019-20**

**WEB OF SCIENCE PUBLICATIONS**

<b>INTERNATIONAL JOURNAL PUBLICATIONS</b>			
<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Paper</b>	<b>Publication Details (Journal name, Vol., No., pp, month &amp; year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations</b>
1	Dr. P N Sudha	Shop floor to cloud connect for live monitoring the production data of CNC machines	International Journal of Computer Integrated Manufacturing, Vol. 33, No. 2, pp 142-158, 2020, ISSN: 0951-192X, DOI: 10.1080/0951192X.2020.1718762 Paper link: <a href="https://www.tandfonline.com/doi/abs/10.1080/0951192X.2020.1718762?journalCode=tcim20">https://www.tandfonline.com/doi/abs/10.1080/0951192X.2020.1718762?journalCode=tcim20</a>  <a href="https://mjl.clarivate.com/search-results?issn=0951-192X&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=0951-192X&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>
2	Dr. P N Sudha	Power optimization in manet using topology management	Engineering Science and Technology, an International Journal, Vol.23, No.3, pp. 565-575, June 2020. Doi.org/10.1016/j.jestch.2019.07.008 [ISSN: 2215-0986] Paper link: <a href="https://www.sciencedirect.com/science/article/pii/S2215098619302101">https://www.sciencedirect.com/science/article/pii/S2215098619302101</a>  <a href="https://mjl.clarivate.com/search-results?issn=2215-0986&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=2215-0986&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>
3	Dr. B Surekha	Edge detection and contour- based ear recognition scheme	Journal of Information Technology Research, Vol.12, No .3, pp. 74-92, 2019. DOI: 10.4018/JITR.2019070105 ISSN: 1938-7857 Paper link: <a href="https://www.igi-global.com/article/edge-detection-and-contour-based-ear-recognition-scheme/234474">https://www.igi-global.com/article/edge-detection-and-contour-based-ear-recognition-scheme/234474</a>  <a href="https://mjl.clarivate.com/search-results?issn=1938-7857&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1938-7857&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>

**SCI Publications**

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<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Paper</b>	<b>Publication Details (Journal name, Vol., No., pp, month &amp; year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations</b>
1	Dr. P N Sudha	Shop floor to cloud connect for live monitoring the production data of CNC machines	International Journal of Computer Integrated Manufacturing, Vol. 33, No. 2, pp 142-158, 2020, ISSN: 0951-192X, DOI: 10.1080/0951192X.2020.1718762 Paper link:



			<a href="https://www.tandfonline.com/doi/abs/10.1080/0951192X.2020.1718762?journalCode=tcim20">https://www.tandfonline.com/doi/abs/10.1080/0951192X.2020.1718762?journalCode=tcim20</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=18198&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=18198&amp;tip=sid&amp;clean=0</a>
2	Dr. P N Sudha	Power optimization in manet using topology management	<p>Engineering Science and Technology, an International Journal, Vol.23, No.3, pp. 565-575, June 2020.  Doi.org/10.1016/j.jestch.2019.07.008 [ISSN: 2215-0986]  Paper link:  <a href="https://www.sciencedirect.com/science/article/pii/S2215098619302101">https://www.sciencedirect.com/science/article/pii/S2215098619302101</a></p> <p><a href="https://www.scimagojr.com/journalsearch.php?q=19900192412&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=19900192412&amp;tip=sid&amp;clean=0</a></p>
3	Dr. B Surekha	Edge detection and contour- based ear recognition scheme	<p>Journal of Information Technology Research, Vol.12, No .3, pp. 74-92, 2019. DOI: 10.4018/JITR.2019070105 ISSN: 1938-7857  Paper link:  <a href="https://www.igi-global.com/article/edge-detection-and-contour-based-ear-recognition-scheme/234474">https://www.igi-global.com/article/edge-detection-and-contour-based-ear-recognition-scheme/234474</a></p> <p><a href="https://www.scimagojr.com/journalsearch.php?q=1938-7857">https://www.scimagojr.com/journalsearch.php?q=1938-7857</a></p>
4	Mrs. Sangeetha V	Analysis of Bit Error Rate on M-array QAM over Gaussian and Rayleigh Fading Channel	<p>International Journal of Innovative Technology and Exploring Engineering Vol.09, No. 6, pp-482-485,2020 ISSN:2278-3075.  Paper link:  <a href="https://www.ijitee.org/wp-content/uploads/papers/v9i6/F3786049620.pdf">https://www.ijitee.org/wp-content/uploads/papers/v9i6/F3786049620.pdf</a></p> <p><a href="https://www.scimagojr.com/journalsearch.php?q=2278-3075">https://www.scimagojr.com/journalsearch.php?q=2278-3075</a></p>

## Scopus Publications

Book chapter publications			
Sl. No.	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Secrecy capacity of symmetric keys generated by quantizing channel metrics over a fading channel	<p>Inventive Computation Technologies, Springer, pp 404-413,2019  Link:  <a href="https://link.springer.com/chapter/10.1007/978-3-030-33846-6_45">https://link.springer.com/chapter/10.1007/978-3-030-33846-6_45</a></p> <p><a href="https://www.scopus.com/authid/detail.uri?authorId=57192552807">https://www.scopus.com/authid/detail.uri?authorId=57192552807</a></p>

<b>INTERNATIONAL JOURNAL PUBLICATIONS</b>			
Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Shop floor to cloud connect for live monitoring the production data of CNC machines	International Journal of Computer Integrated Manufacturing, Vol. 33, No. 2, pp 142-158, 2020, ISSN: 0951-192X, DOI: 10.1080/0951192X.2020.1718762 Paper link: <a href="https://www.tandfonline.com/doi/abs/10.1080/0951192X.2020.1718762?journalCode=tcim20">https://www.tandfonline.com/doi/abs/10.1080/0951192X.2020.1718762?journalCode=tcim20</a>  <a href="https://www.scopus.com/sources.uri">https://www.scopus.com/sources.uri</a>
2	Dr. P N Sudha	Power optimization in manet using topology management	Engineering Science and Technology, an International Journal, Vol.23, No.3, pp. 565-575, June 2020. Doi.org/10.1016/j.jestch.2019.07.008 [ISSN: 2215-0986] Paper link: <a href="https://www.sciencedirect.com/science/article/pii/S2215098619302101">https://www.sciencedirect.com/science/article/pii/S2215098619302101</a>  <a href="https://www.scopus.com/sources.uri">https://www.scopus.com/sources.uri</a>
3	Dr. B Surekha	Edge detection and contour- based ear recognition scheme	Journal of Information Technology Research, Vol.12, No .3, pp. 74-92, 2019. DOI: 10.4018/JITR.2019070105 ISSN: 1938-7857 Paper link: <a href="https://www.igi-global.com/article/edge-detection-and-contour-based-ear-recognition-scheme/234474">https://www.igi-global.com/article/edge-detection-and-contour-based-ear-recognition-scheme/234474</a>  <a href="https://www.scopus.com/sources.uri">https://www.scopus.com/sources.uri</a>
4	Mrs. Sangeetha V	Analysis of bit error rate on M-array QAM over Gaussian and Rayleigh fading channel	International Journal of Innovative Technology and Exploring Engineering Vol.09, No. 6, pp-482-485,2020 ISSN:2278-3075. Paper link: <a href="https://www.ijitee.org/wp-content/uploads/papers/v9i6/F3786049620.pdf">https://www.ijitee.org/wp-content/uploads/papers/v9i6/F3786049620.pdf</a>  <a href="https://www.scopus.com/sources.uri">https://www.scopus.com/sources.uri</a>

### **IEEE/SPRINGER CONFERENCE PUBLICATIONS**

<b>IEEE/SPRINGER CONFERENCE PUBLICATIONS</b>			
Sl. No.	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN: SCI/Scopus/UGC Indexed Link, No. of Citations
1	Dr. P N Sudha	Secrecy capacity of symmetric key generated by quantizing channel metrics over a fading channel	4th International Conference on Inventive Computation, Technologies ICICT-2019, Coimbatore, India 29th- 30th August 2019 ISSN: 2367- 3370
2	Dr. B Surekha	Secured anti-piracy screen	3rd International Conference on Intelligent Computing and Communication (ICICC-2019), Dayananda sagar University, 7th-8th June 2019
3	Mr. Christo Jain	Proposal of a cost effective wireless power transfer system form solar using aerial techonology	4th International conference on Trends in electronics and informatics (ICOEI),SCAD Collage of engineering ,15-17 june 2020,Tirunelveli,Tamilnadu

4	Mrs. Aruna Rao B P	Design and modeling of input output functionalities of FPGA based IOblock	Global Conference for Advancement in Technology, (GCAT- 2019), Nagarjuna College of Engineering and Technology, Bangalore, India 18th-20th October 2019 ISBN: 978-1-7281- 3694-3
5	Mrs. Aruna Rao B P	Design and delay analysis of various 256-bit adders using verilog	ICEECCOT 2019, 4th International Conference on Electrical, Electronics, Communication, Computer Technologies, and Optimization Techniques, GSSS Institute of Engineering and Technology for Women, Mysore on 13th -14th December 2019. ISBN:978-7281-3261-7 <b>IEEECONFERENCE</b>
6	Mrs. Aruna Rao BP	Design and implementation of 256*256 booth multipliers and its application	ICEECCOT 2019, 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, GSSS Institute of Engineering and Technology for Women, Mysore on 13th - 14th December 2019. ISBN:978-7281-3261-7 <b>IEEECONFERENCE</b>
7	Mrs. Aruna Rao BP	High speed multipliers and complex summers	ICEECCOT 2019, 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, GSSS Institute of Engineering and Technology for Women, Mysore on 13th - 14th December 2019. ISBN:978-7281-3261-7 <b>IEEECONFERENCE</b>
8	Mrs. Aruna Rao BP	Design and implementation of reversible computational circuits by creating libraries of basic gates using verilog HDL	ICEECCOT 2019, 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, GSSS Institute of Engineering and Technology for Women, Mysore on 13th - 14th December 2019. ISBN:978-7281-3261-7 <b>IEEECONFERENCE</b>



**K.S. INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**RESEARCH PUBLICATIONS**  
**QUALITY PUBLICATIONS**  
**Academic Year 2018-19**

**WEB OF SCIENCE PUBLICATIONS**

<b>INTERNATIONAL JOURNAL PUBLICATIONS</b>			
<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Paper</b>	<b>Publication Details (Journal name, Vol., No., pp, month &amp; year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations</b>
1	Dr. B Surekha	A FRT - SVD based blind medical watermarking technique for telemedicine applications	International Journal of Digital Crime and Forensics, Vol. 11, No. 2, pp. 13-33, 2019, ISSN: 1941-6210, EISSN: 1941-6229 Paper link: <a href="https://www.igi-global.com/article/a-frt---svd-based-blind-medical-watermarking-technique-for-telemedicine-applications/223939">https://www.igi-global.com/article/a-frt---svd-based-blind-medical-watermarking-technique-for-telemedicine-applications/223939</a>  <a href="https://mjl.clarivate.com/search-results?issn=1941-6210&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1941-6210&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a> UGC Approved
2	Dr. B Surekha	Fragile watermarking for copyright authentication and tamper detection of medical images using compressive sensing (CS) based encryption and contourlet domain processing	Multimedia Tools and Applications, Vol.78, No.10, 2019, pp. 13905-13924, Springer, [ISSN: 1380-7501] WoS2018 Journal Impact Factor 2.101 Paper link: <a href="https://link.springer.com/article/10.1007/s11042-018-6746-2">https://link.springer.com/article/10.1007/s11042-018-6746-2</a>  <a href="https://mjl.clarivate.com/search-results?issn=1380-7501&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1380-7501&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>
3	Dr. B Surekha	Crypto water marking scheme for tamper detection of medical images	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, [In Press] ISSN: 2168- 1163, Doi.org/10.1080/21681163.2019.1595730 Paper link: <a href="https://www.researchgate.net/publication/332059999_Crypto-watermarking_scheme_for_tamper_detection_of_medical_images">https://www.researchgate.net/publication/332059999_Crypto-watermarking_scheme_for_tamper_detection_of_medical_images</a>  <a href="https://mjl.clarivate.com/search-results?issn=2168-1163&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=2168-1163&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a> UGC Approved

## SCI Publications

<b>BOOK PUBLICATIONS</b>			
Sl. No.	Name of the faculty	Title of the book	Publication details (Publisher, ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. B Surekha	Satellite image analysis: clustering and classification	Springer briefs in applied sciences and technology, Springer, 2019, ISBN: 978-981-13-6424-2 , ISSN: 2191-530x Link: <a href="https://link.springer.com/book/10.1007/978-981-13-6424-2">https://link.springer.com/book/10.1007/978-981-13-6424-2</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=21100321695&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=21100321695&amp;tip=sid&amp;clean=0</a> Citations: 1

<b>INTERNATIONAL JOURNAL PUBLICATIONS</b>			
Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Fisheye state protocol in correlation with power consumption in AD-HOC networks	International Journal of Applied Engineering Research, Vol. 13, No. 17, pp. 13335-13339, 2018 ISSN:0973-4562 Paper link: <a href="https://www.ripublication.com/ijaer18/ijaerv13n17_50.pdf">https://www.ripublication.com/ijaer18/ijaerv13n17_50.pdf</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=21100217234&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=21100217234&amp;tip=sid&amp;clean=0</a> (UGC approved journal - 2017 journal no. - 64529)
2	Dr. B Surekha	A FRT - SVD based blind medical watermarking technique for telemedicine applications	International Journal of Digital Crime and Forensics, Vol. 11, No. 2, pp. 13-33, 2019, ISSN: 1941-6210, EISSN: 1941-6229 Paper link: <a href="https://www.igi-global.com/article/a-frt---svd-based-blind-medical-watermarking-technique-for-telemedicine-applications/223939">https://www.igi-global.com/article/a-frt---svd-based-blind-medical-watermarking-technique-for-telemedicine-applications/223939</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=19700186847&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=19700186847&amp;tip=sid&amp;clean=0</a> UGC Approved
3	Dr. B Surekha	Fragile watermarking for copyright authentication and tamper detection of medical images using compressive sensing (CS) based encryption and contourlet domain processing	Multimedia Tools and Applications, Vol.78, No.10, 2019, pp. 13905-13924, Springer, [ISSN: 1380-7501] WoS2018 Journal Impact Factor 2.101 UGC Approved Paper link: <a href="https://link.springer.com/article/10.1007/s11042-018-6746-2">https://link.springer.com/article/10.1007/s11042-018-6746-2</a> <a href="https://www.scimagojr.com/journalsearch.php?q=19400156805&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=19400156805&amp;tip=sid&amp;clean=0</a> WoS 2018 Journal Impact Factor2.101

4	Dr. B Surekha	Crypto water marking scheme for tamper detection of medical images	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, [In Press] ISSN: 2168- 1163, Doi.org/10.1080/21681163.2019.1595730 UGC Approved Paper link: <a href="https://www.researchgate.net/publication/332059999_Crypto-watermarking_scheme_for_tamper_detection_of_medical_images">https://www.researchgate.net/publication/332059999_Crypto-watermarking_scheme_for_tamper_detection_of_medical_images</a>  <a href="https://www.scimagojr.com/journalsearch.php?q=21100773821&amp;tip=sid&amp;clean=0">https://www.scimagojr.com/journalsearch.php?q=21100773821&amp;tip=sid&amp;clean=0</a>
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### Scopus Publications

<b>BOOK PUBLICATIONS</b>			
Sl. No.	Name of the faculty	Title of the book	Publication details (Publisher, ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. B Surekha	Satellite image analysis: clustering and classification	Springer briefs in applied sciences and technology, Springer, 2019, ISBN: 978-981-13-6424-2 , ISSN: 2191-530x Paper link: <a href="https://link.springer.com/book/10.1007/978-981-13-6424-2">https://link.springer.com/book/10.1007/978-981-13-6424-2</a>  <a href="https://www.scopus.com/sourceid/21100321695">https://www.scopus.com/sourceid/21100321695</a>

<b>BOOK CHAPTER PUBLICATIONS</b>			
Sl. No.	Name of the Faculty	Title of the Chapter	Publication Details (Book Title, Publisher, pp. ISBN/ISSN: Year), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. B Surekha	Real-time facial recognition using deep learning and local binary patterns	Proceedings of international ethical hacking conference 2018, Springer series on advances in intelligent systems and computing, Vol.811, pp.331-347, 2018, ISBN: 978-981-13-1543-5 link: <a href="https://link.springer.com/chapter/10.1007/978-981-13-1544-2_27">https://link.springer.com/chapter/10.1007/978-981-13-1544-2_27</a>  <a href="https://www.scopus.com/sourceid/5100152904">https://www.scopus.com/sourceid/5100152904</a>

**INTERNATIONAL JOURNAL PUBLICATIONS**

Sl. No.	Name of the Faculty	Title of the Paper	Publication Details (Journal name, Vol., No., pp, month & year, DOI, ISSN:), Impact Factor, Indexed in SCI/Scopus/UGC, No. of Citations
1	Dr. P N Sudha	Fisheye state protocol in correlation with power consumption in AD-HOC networks	International Journal of Applied Engineering Research, Vol. 13, No. 17, pp. 13335-13339, 2018 ISSN:0973-4562 Paper link: <a href="https://www.ripublication.com/ijaer18/ijaerv13n17_50.pdf">https://www.ripublication.com/ijaer18/ijaerv13n17_50.pdf</a>  <a href="https://www.scopus.com/sourceid/21100217234">https://www.scopus.com/sourceid/21100217234</a>  (UGC approved journal - 2017 journal no. - 64529),
2	Dr. B Surekha	A FRT - SVD based blind medical watermarking technique for telemedicine applications	International Journal of Digital Crime and Forensics, Vol. 11, No. 2, pp. 13-33, 2019, ISSN: 1941-6229, EISSN: 1941-6229 Paper link: <a href="https://www.igi-global.com/article/a-frt---svd-based-blind-medical-watermarking-technique-for-telemedicine-applications/223939">https://www.igi-global.com/article/a-frt---svd-based-blind-medical-watermarking-technique-for-telemedicine-applications/223939</a>  <a href="https://www.scopus.com/sourceid/19700186847">https://www.scopus.com/sourceid/19700186847</a> UGC Approved
3	Dr. B Surekha	Crypto water marking scheme for tamper detection of medical images	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, [In Press] ISSN: 2168-1163, Doi.org/10.1080/21681163.2019.1595730 Paper link: <a href="https://www.researchgate.net/publication/332059999_Crypto-watermarking_scheme_for_tamper_detection_of_medical_images">https://www.researchgate.net/publication/332059999_Crypto-watermarking_scheme_for_tamper_detection_of_medical_images</a>  <a href="https://www.scopus.com/sourceid/21100773821">https://www.scopus.com/sourceid/21100773821</a> UGC Approved
4	Dr. B Surekha	Real-time facial recognition using deep learning and local binary pattern	Springer International Conference on Ethical Hacking- (EHACON - 2018), Institute of Engineering & Management, Kolkata, West Bengal, India, 6th-7th, April 2018, pp.331-347. ISBN 978-981-13- 1544-2 Paper link: <a href="https://www.researchgate.net/publication/328106029_Real-Time_Facial_Recognition_Using_Deep_Learning_and_Local_Binary_Patterns_eHaCON_2018_Kolkata_India">https://www.researchgate.net/publication/328106029_Real-Time_Facial_Recognition_Using_Deep_Learning_and_Local_Binary_Patterns_eHaCON_2018_Kolkata_India</a>  <a href="https://www.scopus.com/sourceid/5100152904">https://www.scopus.com/sourceid/5100152904</a>

## IEEE/SPRINGER CONFERENCE PUBLICATIONS

IEEE/SPRINGER CONFERENCE PUBLICATIONS			
Sl. No	Name of the Faculty	Title of the paper	Title of the Conference, Place, Dates, Year, pp. ISBN/ISSN: SCI/Scopus/UGC, Indexed Link, No. of Citations
1	Dr. P N Sudha	Power-cognizant proactive routing protocol for amending energy in adhocNetworks	International Conference on Datasceinces, Machine Learning and Applications, ICDSMLA 2019, CMR Institute of Technology, Hyderabad, 29th-30th March 2019 <b>SPRINGER CONFERENCE</b>
2	Dr. B Surekha	Real-time facial recognition using deep learning and local binary pattern	Springer International Conference on Ethical Hacking- (EHACON - 2018), Institute of Engineering & Management, Kolkata, West Bengal, India, 6th-7th, April 2018, pp.331-347. ISBN 978-981-13-1544-2