





|   |  |   |
|---|--|---|
|  | S J P N Trust's<br><b>Hirasugar Institute of Technology, Nidasoshi.</b><br><i>Inculcating Values, Promoting Prosperity</i><br>Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi<br>Recognized under 2(f) & 12B of UGC Act, 1956<br>Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA:CSE,ECE,EEE & ME | CS Engg. Dept<br><b>Academic</b><br><b>Research Publications</b><br>2018-19 |
|---|--|---|

### List of Publications CAYm3 (2018-19)

| Sr. No. | Name of Faculty    | Title of Paper  | Publications Details  | Category        |
|---------|--------------------|---|---|-----------------|
| 1       | Prof. M. G. Huddar | Multimodal Emotion Recognition using Facial Expressions, Body Gestures, Speech, and Text Modalities | International Journal of Engineering and Advanced Technology (IJEAT). ISSN: 2249-8958, Volume-8 Issue-5, June 2019                              | SCOPUS          |
| 2       | Prof. M. G. Huddar | A Survey of Computational Approaches and Challenges in Multimodal Sentiment Analysis                | International Journal of Computer Sciences and Engineering, Vol.-7, Issue-1, Jan 2019 E-ISSN: 2347-2693   | Non-SCI         |
| 3       | Prof. M. G. Huddar | An Ensemble Approach to Utterance Level Multimodal Sentiment Analysis                               | 2018 International Conference on Computational Techniques, Electronics and Mechanical Systems (CTEMS): 978-1-5386-7709-4/18/\$31.00 c 2018 IEEE | IEEE Conference |

  
 Prof. P. G. Patil  
 Criteria Coordinator

  
 Dr. K. B. Manwade  
 Dept. NBA Coordinator

  
 Prof. S. V. Manjaragi  
 HOD  
 Computer Science & Engg.  
 HIT, Nidasoshi



S J P N Trust's

# Hirasugar Institute of Technology, Nidasoshi.

*Inculcating Values, Promoting Prosperity*

Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi

Recognized under 2(f) & 12B of UGC Act, 1956

Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA: CSE, ECE, EEE & ME

CS Engg. Dept

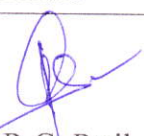
Academic


Research  
Publications


2019-20


## List of Publications CAYm2 (2019-20)

| Sr. No. | Name of Faculty                                       | Title of Paper  | Publications Details   | Category |
|---------|---|---|--|----------|
| 1       | Prof. Mahesh G. Huddar                                | Attention-Based Multimodal Contextual Fusion for Sentiment and Emotion Classification Using Bidirectional LSTM                                | Journal Of Multimedia Tools and Applications, Volume 12 Issue 6 June 2019.   | SCI      |
| 2       | Prof. Mahesh G. Huddar                                | Multi-level feature optimization and multimodal contextual fusion for sentiment analysis and emotion classification                           | Computational Intelligence, Volume36, Issue2, May 2020   |          |
| 3       | Prof. Mahesh G. Huddar                                | Multi-level context extraction and attention-based contextual inter-modal fusion for multimodal sentiment analysis and emotion classification | International Journal of Multimedia Information Retrieval, volume 9, 2020.   |          |
| 4       | Prof. S. G. Gollagi                                   | A survey on pervasive computing over context-aware system   | CCF Transactions on Pervasive Computing and Interaction<br><a href="https://doi.org/10.1007/s42486-020-00030-6">https://doi.org/10.1007/s42486-020-00030-6</a> | SCOPUS   |
| 5       | Prof. S. G. Gollagi                                   | Research outlook and state of the art methods in context awareness data modeling and retrieval  | Journal of Evolutionary Intelligence, Volume 12 Issue 6 June 2019.   | Non-SCI  |
| 6       | Prof. Shivanand V Manjaragi                           | An Intelligent Voice-Based e-Market Place for Visually Impaired People  | A Journal of Composition Theory, Volume 12 Issue 6 June 2019.  |          |
| 7       | Prof. Ravindra R. Patil<br>Prof. C.R. Belavi          | Smart Aid Stick Prototype for Blind People  | A Journal of Composition Theory, Volume 12 Issue 6 June 2019.  |          |
| 8       | Prof. Mohan A. Gholap<br>Prof. Manoj kumar A. Chitale | Smart LPG Gas Leakage Detection, Monitoring & Automatic Online Booking  | A Journal of Composition Theory, Volume 12 Issue 6 June 2019.  |          |

  
Prof. P. G. Patil  
Criteria Coordinator

  
Dr. K. B. Manwade  
Dept. NBA Coordinator


  
Prof. S. V. Manjaragi  
HOD  
Computer Science & Engg.  
HIT, Nidasoshi.


|   |   |  |                       |
|---|---|--|-----------------------|
|  | S J P N Trust's   | <b>Hirasugar Institute of Technology, Nidasoshi.</b> | CS Engg. Dept         |
|   | <i>Inculcating Values, Promoting Prosperity</i>   |  | Academic              |
|   | Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi<br>Recognized under 2(f) & 12B of UGC Act, 1956 |  | Research Publications |
|   | Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA: CSE, ECE, EEE & ME                                    |  | 2020-21               |


### List of Publications CAYm1 (2020-21)


| Sr. No. | Name of Faculty           | Title of Paper   | Publications Details   | Category |
|---------|---------------------------|--|--|----------|
| 1       | Prof. Mahesh G. Huddar    | Attention-based Multi-modal Sentiment Analysis and Emotion Detection in Conversation using RNN                                       | International journal of interactive multimedia and artificial intelligence, ISSN 1989-1660, Vol 6, 2021.      | SCI      |
| 2       | Prof. Mahesh G. Huddar    | Attention-Based Word-Level Contextual Feature Extraction and Cross-Modality Fusion for Sentiment Analysis and Emotion Classification | International Journal of Intelligent Engineering Informatics, Vol.8 No.1, 2020.                                | ESCI     |
| 3       | Prof. K. B. Manwade       | Load Rebalancing for Heterogeneous Distributed System  | International Journal of Grid and Distributed Computing Vol. 13, No. 2, (2020), pp. 567 – 573                  |          |
| 4       | Prof. S. G. Gollagi       | Study of software security measures Adoption in SME's in Bengaluru   | International journal of advanced research in engineering and technology, volume 11, issue 11, November 2020.  |          |
| 5       | Prof. S. G. Gollagi       | Reliability test (Cronbach alpha test) for variables selection in Secure SDLC  | Journal of advancement in parallel computing, vol 3, no 1 2020.  |          |
| 6       | Prof. S. G. Gollagi       | Analysis of variances for variables selection in secure SDLC   | Journal of advances in computational intelligence theory, vol 3, no 1 2020.                                    |          |
| 7       | Prof. Ravindra R Patil    | Traffic rule enforcement system using IOT  | Journal of Seybold Report, Volume 15 Issue 7, 2020.  | Non-SCI  |
| 8       | Prof. Nyamatulla M Patel  | Smart dust bin for waste management  | International Journal of Engineering Technology and Management Sciences, Issue 5, Volume No.4, September-2020. |          |
| 9       | Prof. Nyamatulla M. Patel | Patient healthcare monitoring system using raspberry PI  | A journal of composition theory, volume 12 issue 6, June 2019.   |          |
| 10      | Prof. C.R. Belavi         | Smart agriculture using IOT  | South Asian journal of evaluation in practice, 2020.   |          |
| 11      | Prof. C.R. Belavi         | Health alert and medicine reminder using IOT   | Seybold report, volume 15, issue 7, 2020.  |          |

|    |                             |   |   |                   |
|----|-----------------------------|---|---|-------------------|
| 12 | Prof. Ravindra R Patil      | A Smart System for Alcohol and Heart Attack Detection in Transportation using IOT | International Conference on Recent Trends in Computer Science & Information Technology" ICRCISIT – 2020.                    | IET<br>Conference |
| 13 | Prof. Mahesh G. Huddar      | Sentiment analysis and visualization of real-time twitter data                    | International conference on recent trends in computer science and information technology (ICRCISIT) – 2020                  |                   |
| 14 | Prof. A. A. Daptardar       | Face recognition-based door monitoring system                                     | Kala Sarovar, International Conference on Recent Trends in Computer Science & Information Technology" ICRCISIT – 2020.      |                   |
| 15 | Prof. Shivanand V Manjaragi | Early flood detection and avoidance system  | Proteus journal, International conference on recent trends in computer science & information technology" ICRCISIT – 2020.   |                   |
| 16 | Prof. Mohan A. Gholap       | A smart system for alcohol and heart attack detection in transportation using IOT | Online international conference on "recent trends in computer science and information technology", volume 15 issue 7, 2020. |                   |

  
 Prof. P. G. Patil  
 Criteria Coordinator


  
 Dr. K. B. Manwade  
 Dept. NBA Coordinator


  
 Prof. S. V. Manjaragi  
 HOD  
 Computer Science & Engg.  
 HIT, Nidaaoshi.


|   |   |  |                       |
|---|---|--|-----------------------|
|  | S J P N Trust's   | <b>Hirasugar Institute of Technology, Nidasoshi.</b> | CS Engg. Dept         |
|   | <i>Inculcating Values, Promoting Prosperity</i>   |  | Academic              |
|   | Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi<br>Recognized under 2(f) & 12B of UGC Act, 1956 |  | Research Publications |
|   | Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA: CSE, ECE, EEE & ME                                    |  | 2020-21               |


### List of Patents CAYm1 (2020-21)

| Sr. No. | Name of faculty        | Title of the Invention           | Details  | Category       |
|---------|------------------------|----------------------------------|--|----------------|
| 1       | Prof. Mahesh G. Huddar | Smart Glove for Hearing Impaired | The Patent Office Journal No. 29/2021 Dated 16/07/2021 | PATENT Applied |

  
 Prof. P. G. Patil  
 Criteria Coordinator

  
 Dr. K. B. Manwade  
 Dept. NBA Coordinator

  
 Prof. S. V. Manjaragi  
 HOD  
 Computer Science & Engg.  
 HIT, Nidasoshi.

|   |                 |  |                       |
|---|-----------------|--|-----------------------|
|  | S J P N Trust's | <b>Hirasugar Institute of Technology, Nidasoshi.</b><br><i>Inculcating Values, Promoting Prosperity</i><br>Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi<br>Recognized under 2(f) & 12B of UGC Act, 1956<br>Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA: CSE,ECE,EEE & ME | CS Engg. Dept         |
|   |                 |  | Academic              |
|   |                 |  | Research Publications |
|   |                 |  | 2021-22               |

### List of Books CAY (2021-22)

| Sr. No. | Name of Faculty             | BOOK TITLE   | BOOK CHAPTER  | Details  | Category     |
|---------|-----------------------------|--|---|--|--------------|
| 1       | Prof. Shivanand V Manjaragi | Intelligent Communication Technologies and Virtual Mobile Networks | User Credibility-Based Trust Model for 5G Wireless Networks | ©The Author(s), under exclusive license to <b>Springer Nature Singapore Pte Ltd.</b> 2023 G. Rajakumar et al. (eds.), Intelligent Communication Technologies and Virtual Mobile Networks, Lecture Notes on Data Engineering and Communications Technologies 131, <a href="https://doi.org/10.1007/978-981-19-1844-5_23">https://doi.org/10.1007/978-981-19-1844-5_23</a> | BOOK CHAPTER |




Prof. P. G. Patil  
Criteria Coordinator



Dr. K. B. Manwade  
Dept. NBA Coordinator





Prof. S. V. Manjaragi  
HOD  
Computer Science & Engg.  
HIT, Nidasoshi

|   |  |   |
|---|--|---|
|  | S J P N Trust's<br><b>Hirasugar Institute of Technology, Nidasoshi.</b><br><i>Inculcating Values, Promoting Prosperity</i><br>Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi<br>Recognized under 2(f) & 12B of UGC Act, 1956<br>Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA: CSE & ECE | CS Engg. Dept<br><b>Academic</b><br><b>Research Publications</b><br>2022-23 |
|   |  |   |
|   |  |   |
|   |  |   |

### List of Publications CAYm1 (2022-23)

| Sr. No. | Name of Faculty         | Title of Paper  | Publications Details  | Category      |
|---------|-------------------------|---|---|---------------|
| 1       | Prof. N. K. Honnagoudar | A Novel Method for Identification and Classification of Indian Vegetables Using Random Forest Algorithm                     | Data Analytics and Artificial Intelligence Vol: 0(0), 2022. REST Publisher; ISBN: 978-81-948459-4-2   | Non-SCI       |
| 2       | Prof. S. V. Manjaragi   | Fast user authentication in 5G heterogeneous networks using RLAC-FNN and blockchain technology for handoff delay reduction. | The Author(s), under exclusive licence to Springer Science+Business Media, LLC, part of Springer Nature 2023. <a href="https://doi.org/10.1007/s11276-023-03371-z">https://doi.org/10.1007/s11276-023-03371-z</a> | ESCI / SCOPUS |
| 3       | Prof. S. V. Manjaragi   | User Credibility-Based Trust Model for 5G Wireless Networks   | Intelligent Communication Technologies and Virtual Mobile Networks. Lecture Notes on Data Engineering and Communications Technologies, vol 131, July 2022. <b>(SCI)</b>   | SCOPUS        |
| 4       | Prof. A. A. Daptardar   | Smart Car Predictive Maintenance and OTP Key Sharing System Using IOT   | International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882  | Non-SCI       |
| 5       | Prof. S. I. Mane        | Smart Car Predictive Maintenance and OTP Key Sharing System Using IOT   | International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882  | Non-SCI       |

  
 Prof. Prasanna Patil  
 Criteria Coordinator

  
 Dr. K. B. Manwade  
**H.O.D**  
**Computer Science & Engineering**  
**HIT, Nidasoshi.**



S J P N Trust's

## Hirasugar Institute of Technology, Nidasoshi.

*Inculcating Values, Promoting Prosperity*

Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi

Recognized under 2(f) &amp; 12B of UGC Act, 1956

Accredited at 'A' Grade by NAAC &amp; Programmes Accredited by NBA: CSE &amp; ECE

CS Engg. Dept


Academic


Research  
Publications

2023-24

### List of Publications CAY (2023-24)

| Sr. No. | Name of Faculty       | Title of Paper   | Publications Details   | Category   |
|---------|-----------------------|--|--|------------|
| 1       | Dr. Mahesh Huddar     | Face Image Expression Recognition utilizing Deep Learning Models                         | 2 <sup>nd</sup> International Conference on Integrated Circuits and Communication Systems (ICICACS- 2024). | Conference |
| 2       | Dr. S. V. Manjaragi   | Smart Nose: Detection of food Decay using Machine Learning                               | International Journal of Advanced Technology in Engineering and Science                                    | Conference |
| 3       | Dr. S. V. Manjaragi   | Smart Nose: Detection of food Decay using Machine Learning                               | International Conference on Recent Trends In Engineering and Technology (ICRTET 2023)                      | Non-SCI    |
| 4       | Prof. A. A. Daptardar | Body Movement and Heart Beat Monitoring of Coma Patients Using IOT                       | International Conference on Recent Trends In Engineering and Technology (ICRTET 2023)                      | Non-SCI    |
| 5       | Prof. Prasanna Patil  | A Smart System for Detection of Helmets and Number Plate Recognition using AI            | International Conference on Recent Trends In Engineering and Technology (ICRTET 2023)                      | Non-SCI    |
| 6       | Prof. S. I. Mane      | Body Movement and Heart Beat Monitoring of Coma Patients Using IOT                       | International Conference on Recent Trends In Engineering and Technology (ICRTET 2023)                      | Non-SCI    |
| 7       | Prof. Sapna B Patil   | Smart Ai Based Video Surveillance for Weapon Detection and Suspicious Activity Detection | International Conference on Recent Trends In Engineering and Technology (ICRTET 2023)                      | Non-SCI    |
| 8       | Prof. M.G. Ganachari  | Power Quality Improvement By Four Leg Voltage Source Inverter                            | International Conference on Recent Trends In Engineering and Technology (ICRTET 2023)                      | Non-SCI    |

  
Prof. Prasanna Patil  
Criteria Coordinator

  
Dr. K. B. Manwade

**H.O.D.**  
**Computer Science & Engineering**  
**HIT, Nidasoshi.**