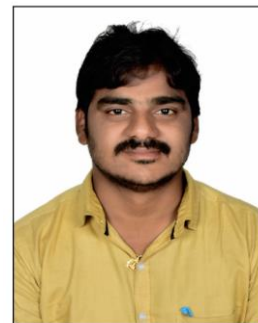


FACULTY PROFILE



Name : Dr. RANGA SWAMY SIRISATI
Present Position & Address : **Associate Professor, Department of CSE,**
VMTW, Ghatkesar, Hyderabad, India.
Contact : **+91-9989896548, 7013369110**
E-mail : sirisatiranga@gmail.com
ADDRESS : Plot No: 35,D.No:9/79-2, Udaya Nagar colony,
Boduppal, Hyderabad-500092
DOB : 29-05-1984
JNTUH ID : 1287-190828-111638
AICTE ID : 1-7400604922

Academic Qualification :

| Qualification | Institute/University | Year | Division |
|----------------------|---|-------------|-----------------|
| Ph.D. (CSE) | Acharya Nagarjuna University, Guntur Computer Science & Engineering https://www.nagarjunauniversity.ac.in/researchcorner/phddeg19.pdf Serial Number: 231 Reference Number: 2565 | 2019 | - |
| M.Tech(CSE) | MITS Madanapalle(Autonomous), JNTUA, Anantapur | 2012 | 76.85 |
| MCA | KSRMCE (Autonomous), Kadapa, SV University. Tirupati | 2009 | 65.90 |

Teaching and Administration Experience:

| <i>S. No.</i> | <i>Work Period</i> | | <i>Organization / Institution</i> | <i>Position Held</i> |
|---------------|--------------------|------------|-----------------------------------|----------------------|
| | <i>From</i> | <i>To</i> | | |
| 1 | 23/08/2019 | Till Date | VMTW, Ghatkesar, Hyderabad | Associate Professor |
| 2 | 01/06/2017 | 22/08/2019 | SVIET, Nandamuru, PEDANA | Assistant Professor |
| 3 | 20/12/2012 | 15/05/2017 | RNEC, Ongole | Associate Professor |

Areas of Specialization:

Machine Learning, Cloud Computing, Internet Of Things, Software Engineering, Data Mining.

MEMBERSHIPS:

1. Life member in ISTE(LM-ISTE)- Member No: LM 129834
2. Life member in Institution of Engineers (India)-LMIEI: M-1722055
3. Member in International Association of Engineers (IAENG)-Member No: 216377
4. Member in The Society of Digital Information and Wireless Communications (SDIWC)- ID: 23179

AWARDS:

1. Received Indian Achievers Award in the field of “Education Excellence” from Indian Achievers Forum. <https://www.iafindia.com/dr-ranga-swamy/>
2. Received Yuva Acharya Award from Bharath Education Excellence Awards 2021
3. Received MVLA National Level Achiever's Pratibha Samman Award from MVLA National Level Awards.

BOOKS:

- 1) INTERNET OF THINGS- A Study, Published in LULU Publications-USA, ISBN: 9780359563067
<http://www.lulu.com/shop/dr-sasikumar-gurumoorthy-and-ranga-swamy-sirisati-andponguwala-maitreyi/internet-of-things-a-study/paperback/product-24050253.html>
- 2) INTRODUCTION TO MACHINE LEARNING- A PERSPECTIVE APPROACH, **Shashwat Publication, Bilaspur, India** ISBN: 978-93-90761-21-0
https://www.amazon.in/Introduction-Machine-Learning-Perspective-Approach/dp/B094BCX45H/ref=sr_1_2?dchild=1&keywords=INTRODUCTION+TO+MACHINE+LEARNING-+A+PERSPECTIVE+APPROACH&qid=1623917734&sr=8-2
- 3) Introduction to Cloud computing Infrastructure and its Applications, **Pandit Publications, India.** ISBN: 9789-3937-69275

RESEARCH PUBLICATIONS:

| | | |
|---|--|------|
| 1 | Dr. Ranga Swamy Sirisati " Multi-Features Disease Analysis Based Smart Diagnosis for COVID-19", Computer Systems Science & Engineering, Tech Science Press , ISSN: 0267-6192. CSSE, 2023, vol.45, no.1, pp. 869–886 DOI: https://doi.org/10.32604/csse.2023.029822 Published Paper Link: https://www.techscience.com/csse/v45n1/49322 | SCI |
| 2 | Dr. Ranga Swamy Sirisati " A secure new HRF mechanism for mitigate EDoS attacks", International Journal of Ad Hoc and Ubiquitous Computing , ISSN: 1309-3452, Vol.40 No.1/2/3, pp.20 – 29, International Journal of Ad Hoc and Ubiquitous Computing, 2022 DOI: 10.1504/IJAHUC.2022.10048189 Published Paper Link: https://www.inderscience.com/info/inarticle.php?artid=123524 | SCI |
| 3 | Dr. Ranga Swamy Sirisati " A Sophisticated and Light weight Cryptographic Protocols for Data Security in Wireless Sensor Networks ", JOURNAL OF ALGEBRAIC STATISTICS , ISSN: 1309-3452. Volume 13, No. 3, 2022, pp. 3806-3821 Published Paper Link: https://publishoa.com/index.php/journal/article/view/1173/1016 | ESCI |
| 4 | Accepted Research article with title “A Framework for Effective Utilization of Cloud Resource and Optimal Scheduling Strategy with Complex Cloud Resource Using Whale Genetic Optimization”, to Soft Computing(Springer)- Manuscript id: SOCO-D-21-03543, ISSN No: 1433-7479, 1432-7643- Impact Factor-3.643. | SCI |

| | | |
|-----------|---|---------|
| | DOI: 10.1007/s00500-021-06642-z | |
| 5 | Dr. Ranga Swamy Sirisati "CREATION OF SYNTHETIC DATA OF CHEST X-RAYS FOR DETECTION OF COVID-19 USING UNETGAN", JAC : A Journal Of Composition Theory, ISSN: 0731-6755. Volume15, Issue 02 (Feb-2022), (pp- 254- 261) Published Paper Link: http://www.jctjournal.com/gallery/14-feb2022.pdf | UGC |
| 6 | Dr. Ranga Swamy Sirisati "Identification of Mucormycosis in post Covid-19 case using Deep CNN", Turkish Journal of Computer and Mathematics Education- (TURCOMAT) (ISSN-1309-4653). Volume12, Issue 09 (APRIL-2021), (pp- 3441- 3450) Published Paper Link: https://www.turcomat.org/index.php/turkbilmat/article/view/11302 | SCOPUS |
| 7 | Dr. Ranga Swamy Sirisati "AN EFFICIENT SKIN CANCER PROGNOSIS STRATEGY USING DEEP LEARNING TECHNIQUES", Indian Journal of Computer Science and Engineering. (IJCSE) (ISSN-2231-3850, 0976-5166). Volume12, Issue 1 (JAN-FEB-2021), (pp- 101-111) DOI:10.21817/indjcse/2021/v12i1/211201180 Published Paper Link: http://www.ijcse.com/docs/INDJCSE21-12-01-180.pdf Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57223162629 | SCOPUS |
| 8 | Dr. Ranga Swamy Sirisati " Machine Learning based diagnosis of Diabetic Retinopathy using digital Fundus images with CLAHE along FPGA Methodology", International Journal of Advanced Science and Technology, (IJAST) (ISSN- 2005-4238) Volume29, Issue 5 (JUNE-2020), (pp- 12748 -12759) Published Paper Link: http://serisc.org/journals/index.php/IJAST/article/view/25875/13936 | SCOPUS |
| 9 | Dr. Ranga Swamy Sirisati "Dimensionality Reduction using Machine Learning and Big Data Technologies", International Journal of Innovative Technology and Exploring Engineering. (IJITEE) (ISSN:2278-3075), Volume9, Issue 2 (Dec-2019), (pp- 1740- 1745)- Published Paper Link: https://www.ijitee.org/wpcontent/uploads/papers/v9i2/B7580129219.pdf | SCOPUS. |
| 10 | Sirisati Ranga Swamy "A Novel mechanism of fully homomorphic Encrypted data ", Journal of Emerging Technologies and Innovative Research.(JETIR) (ISSN-2349- 5162), Volume6, Issue 4 (2019), (pp-309-320) Published Paper Link: https://www.jetir.org/papers/JETIR1904E53.pdf | UGC |
| | Ph.D DURATION JOURNALS: S.No: 11-15 | |
| 11 | Sirisati Ranga Swamy, Dr. Sridhar Mandapati. "A Tabu Stochastic Diffusion Search Based Fuzzy scheduling in cloud", International Journal of Research in Advent Technology. (IJRAT) (ISSN-2321-9637), Volume6, No 5 (2018), (pp.817-823) Published Paper Link: | UGC |

| | | |
|----|---|--------|
| | http://www.ijrat.org/downloads/Vol-6/may-2018/paper%20ID-652018102.pdf | |
| 12 | <p>Sirisati Ranga Swamy, Dr. Sridhar Mandapati. "A Greedy Stochastic Diffusion Search Based Fuzzy scheduling in cloud", Journal of Artificial Intelligence Research & Advances. (JoAIRA) (ISSN-2395-6720), Volume5, Issue 2 (2018), (pp.1-12)</p> <p>Published Paper Link: A Greedy Stochastic Diffusion Search Based Fuzzy Scheduling in Cloud swamy Journal of Artificial Intelligence Research & Advances (stmjournals.com)</p> | UGC |
| 13 | <p>Sirisati Ranga Swamy, Dr. Sridhar Mandapati. "A Greedy Search aware Fuzzy scheduling in cloud", International Journal of Engineering Research in Computer Science and Engineering. (IJERCSE) (ISSN-2394-2320). Volume5, Issue4 April (2018), (pp.53- 58). DOI:01.1617/vol5/iss4/pid57649</p> <p>Published Paper Link: http://ijercse.com/abstract.php?id=13111</p> | Others |
| 14 | <p>Sirisati Ranga Swamy, Dr. Sridhar Mandapati. "A Rule Selected fuzzy energy & security aware scheduling in cloud", Journal of Theoretical and Applied Information Technology. (JATIT) (ISSN-1992-8645). Volume96, No10, Issue 31st May (2018), (pp.2826- 2837)</p> <p>Published Paper Link: http://www.jatit.org/volumes/Vol96No10/8Vol96No10.pdf</p> <p>Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57222595160</p> | SCOPUS |
| 15 | <p>Sirisati Ranga Swamy, Dr. Sridhar Mandapati (2017, Dec). "A fuzzy energy and security aware scheduling in cloud", International Journal of Engineering & Technology. (IJET) (ISSN-2227-524X), Volume7, No1.2 Special Issue 2, (pp.117-124), DOI:10.14419/ijet.v7i1.2.9021,</p> <p>Published Paper Link: https://www.sciencepubco.com/index.php/ijet/article/view/9021</p> <p>Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57222595160</p> | SCOPUS |
| | | |
| 16 | <p>Thotapalli Siva Krishna, S. Ranga Swamy "Cloud Computing-Efficient and Improved Multi Keywords Ranked Search for Encrypted Cloud Data", The International journal of analytical and experimental modal analysis. (IJAEMA). ISSN NO: 0886-9367, Volume 9, Issue 4, April/2017, PNo: 208-211.</p> <p>Published Paper Link: https://drive.google.com/file/d/1C0bZVp7w8ooz-dql0tPuJqQ481Pann94/view</p> | UGC |
| 17 | <p>Mandadi Jhansi, S. Ranga Swamy, Dr.M.Sidhar, "An Efficient and Optimized Mechanism for Finding of Node Detection in MANETS", The International journal of analytical and experimental modal analysis. (IJAEMA) ISSN NO: 0886-9367, Volume 8, Issue 2, JULY2016, PNo: 100-106.</p> <p>Published Paper Link: https://drive.google.com/file/d/1PS66fX8j-jhiL4-DnxqFLWAaJvRnMekg/view</p> | UGC |
| 18 | <p>Marneni Sravani, S. Ranga Swamy, Dr.M.Sidhar, "Knowledge Based Information Accessing through Optimistic Web Data Linking", The International journal of</p> | UGC |

| | | |
|----|--|-----|
| | analytical and experimental modal analysis.(IJAEMA) ISSN NO:0886-9367, Volume 8, Issue 2, JULY2016, PNo: 112-116. Published Paper Link: https://drive.google.com/file/d/1HSG4fzdpWys7SRKqYsxYzkW3hv47xA03/view | |
| 19 | Avudari Siva Krishna, S. Ranga Swamy, Dr.M.Sidhar, "Efficient ABE Security Technique for Cloud Computing", The International journal of analytical and experimental modal analysis . (IJAEMA) ISSN NO: 0886-9367. Volume 8, Issue 2, JULY2016, PNo: 117-122. Published Paper Link: https://drive.google.com/file/d/1QhUtGvaQEFQVFL2F-Tx5WYD4bhb_eWE/view | UGC |
| 20 | Venkata Rathnam Korukonda, S. Ranga Swamy, Dr.M.Sidhar, "A Novel Mechanism of Malware Prevention Using Two Layers Protection in network Security", The International journal of analytical and experimental modal analysis. (IJAEMA), ISSN NO: 0886-9367, Volume 8, Issue 2, JULY-2016, PNo: 107-111. Published Paper Link: https://drive.google.com/file/d/1qBMXoA-NY928Z1Uj7kiU3JVso-ZIm_5/view | UGC |
| 21 | Venkateswarlu Angadi, S. Ranga Swamy, M.Sridhar (Aug 2016), "Toward Efficient Cloud data Analysis Service For Large Scale Social Netorks – A Survey on SAE ", International Journal of Engineering and Technology in Computer Science and Electronics (IJETCSE) (ISSN: 0976-1353), Volume 23, Issue.4, Aug2016, Published Paper Link: https://www.ijetcse.com/view_paper.php?id=54&iid=54 | UGC |
| 22 | Muchhu Raja Sekhar, S. Ranga Swamy, M.Sridhar (Aug 2016), "A Enhanced Trust Scheme for Resource Management in Multi Cloud Environment", International Journal of Engineering and Technology in Computer Science and Electronics (IJETCSE) (ISSN:0976-1353),Volume 23, Issue.4, Aug2016, Published Paper Link: https://www.ijetcse.com/view_paper.php?id=54&iid=54 | UGC |
| 23 | Nakka Yeleswara Rao, S. Ranga Swamy,(Oct 2015), "Data Mining Resolution on High Dimensional Data", International Journal of Research (IJR) (e-ISSN: 2348-6848), (p- ISSN: 2348-795X), Volume2, Issue 10, Oct 2015. Published Paper Link: https://journals.pen2print.org/index.php/ijr/article/view/3045 | UGC |
| 24 | G. Ravi Teja, S.Ranga Swamy,(Oct 2015), "Rectifying Face and its Expressions Using LDN in Image Processing", International Journal of Research (IJR) (e-ISSN: 2348-6848), (p-ISSN: 2348-795X),Volume2, Issue 10, Oct 2015. Published Paper Link: https://journals.pen2print.org/index.php/ijr/article/view/3048 | UGC |
| 25 | Ayatulla Khan Md S, S. Ranga Swamy, M.Sridhar (Oct 2014), "Access Policy Consolidation for Event- Based Applications ", International Journal of Research in Information Technology (IJRIT), (ISSN:2001-5569),Volume 2, Issue 10, Oct 2014, Pg:457-465 Published Paper Link: http://www.ijrit.com/archives/volume-2-issue-10 | UGC |

| | | |
|----|---|--------|
| 26 | Nitya Ramakrishna M, S. Ranga Swamy, M.Sridhar (Oct 2014), "Protecting Sensitive Labels Anonymity in Social Networks ", International Journal of Research in Information Technology (IJRIT), (ISSN:2001-5569),Volume 2, Issue 10, Oct 2014, Pg: 430-437. Published Paper Link: http://www.ijrit.com/archives/volume-2-issue-10 | UGC |
| 27 | S. Ranga Swamy, N.Raja Sekhar Reddy,(2012), " Risk Chain Prediction Metrics for predicting fault proneness in software systems ", International Organization of Scientific Research Journal of Engineering (IOSRJEN), (e-ISSN:2250 3021), (pISSN:2278- 8719)Volume 2, Issue 8(Version-1), Aug 2012, Pg: 190-195- UGC APPROVED Published Paper Link: http://iosrjen.org/Papers/vol2_issue8%20(part-1)/AA28190195.pdf | Others |

CONFERENCES:

| | |
|---|--|
| 1 | Dr. S. Ranga Swamy, "An Enhanced Multi Layer Neural Network to Detect Early Cardiac Arrests" to 5th International Conference on Electronics, Communication and Aerospace Technology, ICECA2021-2 to 4 December 2021, IEEE Conference, RVS Technical Campus, Coimbatore. https://ieeexplore.ieee.org |
| 2 | Dr. S. Ranga Swamy, " An Optimized Fuzzy based Resource allocation for Cloud using secured Tabu Search Technique" ICICSE 2021 (9thInternational Conference on Innovations in Computer Science and Engineering (ICICSE-2021), 3 & 4 September 2021, Gurunanak Institutions, Hyderabad. Springer Proceedings- Lecture Notes in Networks and Systems, https://www.springer.com/series/15179 |
| 3 | Dr. S. Ranga Swamy, "Auto-adaptative Learning for Machine Perception of Native accent using Deep Learning", 1st International Conference on Mathematical Modeling and Computational Science (ICMMCS-2020), 14&15 August 2020, Thailand. -Advances in Intelligent Systems and Computing, https://www.springer.com/series/11156 |
| 4 | Dr. S. Ranga Swamy, "An Energy-efficient PSO based Cloud Scheduling Strategy", 8 th International Conference on Innovations in Computer Science and Engineering (ICICSE-2020), 28th & 29th August 2020, Gurunanak Institutions, Hyderabad. Springer Proceedings- Lecture Notes in Networks and Systems, https://www.springer.com/series/15179 |
| 5 | Dr. S. Ranga Swamy, "An aviation delay prediction and recommendation system using Machine Learning Techniques", 1st International Virtual Conference on Integrated Intelligence Enable Networks & Computing (IIENC-2020), 05 to 07 September 2020, Institute of Technology, Gopeshwar.- Springer Proceedings-Algorithms-for- |

| | |
|-----------|---|
| | Intelligent-Systems, https://www.springer.com/series/16171 |
| 6 | Dr. S. Ranga Swamy, "An adaptive Deep learning model to forecast Crimes", 1st International Virtual Conference on Integrated Intelligence Enable Networks & Computing (IIENC-2020), 05 to 07 September 2020, , Institute of Technology, Gopeshwar. Springer Proceedings-Algorithms-for-Intelligent-Systems, https://www.springer.com/series/16171 |
| 7 | Dr. S. Ranga Swamy, "A Hybrid Clinical data Prediction approach using modified PSO", 4th INTERNATIONAL CONFERENCE ON SMART COMPUTING AND INFORMATICS (SCI-2020), 09&10 October 2020, Vasavi College of Engineering, Hyderabad. Springer Proceedings- Smart Innovation, Systems and Technologies, https://www.springer.com/series/8767 |
| 8 | Dr. S. Ranga Swamy, "Software defect prediction using optimized cuckoo search based nature inspired technique", 4th INTERNATIONAL CONFERENCE ON SMART COMPUTING AND INFORMATICS (SCI-2020), 09&10 October 2020, Vasavi College of Engineering, Hyderabad. Springer Proceedings- Smart Innovation, Systems and Technologies, https://www.springer.com/series/8767 |
| 9 | Dr. S. Ranga Swamy, "Analysis of Hybrid Fusion- Neural Filter Approach to detect Brain Tumor", 6th INTERNATIONAL CONFERENCE ON Parallel, Distributed and Grid Computing(PDGC-2020) , 06 to 08 November 2020, IEEE Proceedings- IEEE EXPLORE, Jaypee University , Himachal Pradesh. https://ieeexplore.ieee.org/document/9315809 |
| 10 | Sirisati Ranga Swamy, Dr. Sridhar Mandapati. "A Greedy Search aware Fuzzy scheduling in cloud", (IJERCSE-2394-2320), International Conference on Recent Advancement in Computer Science and Communication Technology (ICRCSCTApril-2018), Dhanekula Institute of Engineering & Technology, Vijayawada. |
| 11 | Sirisati Ranga Swamy, Dr. Sridhar Mandapati. " A fuzzy energy and security aware scheduling in cloud", (IJET-2227-524X), International Conference on Cognitive Informatics & Soft Computing (CISC-December2017), Vignana Bharathi Institute of Technology, Hyderabad. https://www.sciencepubco.com/index.php/ijet/article/view/9021 |

PATENT PUBLICATIONS & GRANTS:

| | | |
|-----------|--|-----------|
| 1 | Dr. S. Ranga Swamy " Title: “Smart Artificial intelligence based fleet analytic system (Australian Patent)”, Application Number: 2021106612, Date of Publication: 24/11/2021 | Granted |
| 2 | Dr. S. Ranga Swamy " Title: “High yield Crop precision modern agriculture methods and thereof”, Application Number: 202241025714, Date of Publication: 13/05/2022 | Published |
| 3 | Dr. S. Ranga Swamy " Title: “A MEDICAL IMAGE PROCESSING SYSTEM, IMAGE PROCESSING METHOD, AND MEDICAL IMAGE PROCESSING DEVICE”, Application Number: 202141050901, Date of Publication: 06/11/2021 | Published |
| 4 | Dr. S. Ranga Swamy " Title: “IOT malware analysis System with Deep Learning Approach”, Application Number: 202041042912, Date of Publication: 09/10/2020 | Published |
| 5 | Dr. S. Ranga Swamy " Title: Ergonomically Designed Die casting table for safety and Quality Management”, Application Number: 202041034350, Date of Publication: 04/09/2020 | Published |
| 6 | Dr. S. Ranga Swamy " Title: Effective Instructors feedback system for Education System and methods thereof”, Application Number: 202041034055, Date of Publication: 21/08/2020. | Published |
| 7 | Dr. S. Ranga Swamy " Title: Ergonomically designed Helmet with Natural Oxygen for prevention from air borne diseases & IOT for Health Monitoring”, Application Number: 202041032685, Date of Publication: 21/08/2020. | Published |
| 8 | Dr. S. Ranga Swamy " Title: Social Media Sentiments: Profile based Mapping Social Media Sentiments Using Deep Learning Programming”, Application Number: 202041029812, Date of Publication: 21/08/2020. | Published |
| 9 | Dr. S. Ranga Swamy " NAVIGATION GUIDANCE FOR DIFFERENTLY ABLED PERSON” , Application Number: 202041023388, Date of Publication: 04/06/2020. | Published |
| 10 | Dr. S. Ranga Swamy " Title: IHY-PREDICTION: INTELLIGENT SYSTEM AND METHOD FOR ADVANCED HARVEST YIELD PREDICTION USING IOT BASED TECHNOLOGY”, Application Number: 201941054460, Date of Publication: 03/01/2020. | Published |

COPYRIGHTS

| | |
|----------|--|
| 1 | Dr. S. Ranga Swamy, "STOCHASTIC METHOD TO ACHIEVE SECURITY USING TIME VARIANT KEY MECHANISM", Registration Number: L-117010/2022 , Dated : 12/08/2022, |
|----------|--|

BOOK CHAPTERS:

| | |
|----------|--|
| 1 | Dr. S. Ranga Swamy, "An Enhanced Multi Layer Neural Network to Detect Early Cardiac Arrests ", Proceedings of 5th International Conference on Electronics, Communication and Aerospace Technology, ICECA-2021 Proceedings- IEEE EXPLORE. Published Paper Link: https://ieeexplore.ieee.org/document/9675882 Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57223162629 |
| 2 | Dr. S. Ranga Swamy, " An Optimized Fuzzy based Resource allocation for Cloud using secured Tabu Search Technique" ICICSE 2021 (9thInternational Conference on Innovations in Computer Science and Engineering (ICICSE-2021), 3 & 4 September 2021, Gurunanak Institutions, Hyderabad. Springer Proceedings- Lecture Notes in Networks and Systems , https://www.springer.com/series/15179 Published Paper Link: https://link.springer.com/chapter/10.1007/978-981-16-8987-1_17 Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57223162629 |
| 3 | Dr. S. Ranga Swamy, "Analysis of Hybrid Fusion- Neural Filter Approach to detect Brain Tumor", 6th INTERNATIONAL CONFERENCE ON Parallel, Distributed and Grid Computing(PDGC-2020) , 06 to 08 November 2020, Jaypee University ,Himachal Pradesh. IEEE Proceedings- IEEE EXPLORE. Published Paper Link: https://ieeexplore.ieee.org/document/9315809 Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57221915670 |
| 4 | Dr. S. Ranga Swamy, "Auto-adaptative Learning for Machine Perception of Native accent using Deep Learning", 1st International Conference on Mathematical Modeling and |

| | |
|---|---|
| | <p>Computational Science (ICMMCS-2020), 14&15 August 2020, Thailand. -Advances in Intelligent Systems and Computing, https://www.springer.com/series/11156 .</p> <p>Published Paper Link: https://link.springer.com/chapter/10.1007/978-981-33-4389-4_58</p> <p>Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57223162629</p> |
| 5 | <p>Dr. S. Ranga Swamy, "An Energy-efficient PSO based Cloud Scheduling Strategy", 8 th International Conference on Innovations in Computer Science and Engineering. (ICICSE-2020), 28th & 29th August 2020, Gurunanak Institutions, Hyderabad. Springer Proceedings- Lecture Notes in Networks and Systems, https://www.springer.com/series/15179</p> <p>Published Paper Link: https://link.springer.com/chapter/10.1007/978-981-33-4543-0_79</p> <p>Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57223162629</p> |
| 6 | <p>Dr. S. Ranga Swamy, "An aviation delay prediction and recommendation system using Machine Learning Techniques", 1st International Virtual Conference on Integrated Intelligence Enable Networks & Computing (IIENC-2020), 05 to 07 September 2020, Institute of Technology, Gopeshwar.- Springer Proceedings- Algorithms-for-Intelligent-Systems, https://www.springer.com/series/16171</p> <p>Published Paper Link: https://link.springer.com/chapter/10.1007/978-981-33-6307-6_25</p> |
| 7 | <p>Dr. S. Ranga Swamy, "An adaptive Deep learning model to forecast Crimes", 1st International Virtual Conference on Integrated Intelligence Enable Networks & Computing (IIENC-2020), 05 to 07 September 2020, , Institute of Technology, Gopeshwar. -Springer Proceedings- Algorithms-for-Intelligent-Systems, https://www.springer.com/series/16171</p> <p>Published Paper Link: https://link.springer.com/chapter/10.1007/978-981-33-6307-6_47</p> |
| 8 | <p>Dr. S. Ranga Swamy, "A Hybrid Clinical data Prediction approach using modified PSO", 4th INTERNATIONAL CONFERENCE ON SMART COMPUTING AND INFORMATICS (SCI-2020), 09&10 October 2020, Vasavi College of Engineering, Hyderabad. Springer Proceedings-Smart-Innovation, Systems and Technologies, https://www.springer.com/series/8767</p> <p>Published Paper Link: https://link.springer.com/chapter/10.1007/978-981-16-1502-3_18</p> <p>Scopus Database Link: https://www.scopus.com/authid/detail.uri?authorId=57223162629</p> |
| 9 | <p>Dr. S. Ranga Swamy, "Software defect prediction using optimized cuckoo search based nature inspired technique", 4th INTERNATIONAL CONFERENCE ON SMART COMPUTING AND INFORMATICS (SCI-2020), 09&10 October 2020, Vasavi College of Engineering, Hyderabad. Springer Proceedings- Smart Innovation, Systems and Technologies,</p> |

| |
|--|
| <p>https://www.springer.com/series/8767</p> <p>Published Paper Link:</p> <p>https://link.springer.com/chapter/10.1007%2F978-981-16-1502-3_19</p> <p>Scopus Database Link:</p> <p>https://www.scopus.com/authid/detail.uri?authorId=57223162629</p> |
|--|

Certification Programs:

| | |
|----|--|
| 1 | Completed “Python A to Z Bootcamp (2021) Basic-DataScience-API” Udemy, October-2022. |
| 2 | Completed “Classical Cryptosystems and Core Concepts”, Certified by University of Colorado System- MAY-2020. |
| 3 | Completed “Introduction to Data Science in Python”, Certified by University of Michigan- MAY-2020. |
| 4 | Completed “Logistic Regression with Python and Numpy”, Certified by Coursera Project Network - MAY-2020. |
| 5 | Completed “Transacting on the Blockchain”, Certified by INSEAD-MAY-2020. |
| 6 | Completed “Build a Simple App in Android Studio with Java”, Certified by Coursera Project Network - JUNE-2020. |
| 7 | Completed “Programming for Everybody (Getting Started with Python)”, Certified by University of Michigan- - JUNE-2020. |
| 8 | Completed “Linear Regression with NumPy and Python”, Certified by Coursera Project Network - JUNE-2020. |
| 9 | Completed “AI For Everyone“, Certified by Deeplearning.ai – JUNE-2020. |
| 10 | Completed NPTEL 8 Weeks Certification Program on Cloud Computing-Oct-2018 |

Faculty development programs (FDPs) Conducted:

| | |
|---|---|
| 1 | Conducted A National Level One Week FDP on “AMAZON WEB SERVICES” from22-08-2022 to 28-08-2022. Organized by VMTW-AICTE-Braino Vision. |
| 2 | Conducted ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON “Introduction to Machine Learning and Its Applications” (21 – 30 March, 2022) Organised by Electronics & ICT Academy, NIT Warangal jointly with VMTW Hyderabad & IITDM Kurnool (Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI) |
| 3 | Conducted A National Level One Week FDP on “Advanced Machine Learning Models using Python” from03-08-2020 to 07-08-2020. |

| | |
|----------|---|
| 4 | conducted One week Faculty Development Program on – “Making a Scientific Research Documents using LaTeX”, from 13-07-2020 to 17-07-2020. |
| 5 | conducted 5 day faculty Development Program on “Blockchain Technology &its Applications”, associated with Brainovision solutions, Hyderabad, from 29-06-2020 to 03-07-2020. |
| 6 | conducted A National Level Technical Workshop on – “Dart Programming Language”, Associated with Brainovision solutions, Hyderabad, on 27-07-2020. |
| 7 | conducted a WEBINAR on “Machine Learning using R-Programming Language” on 06-06-2020 |
| 8 | conducted a one day Webinar on “Data Analytics: Innovative Research Methods and Data Analysis” on 23-05-2020 |

Faculty development programs (FDPs) Attended:

| | |
|----------|--|
| 1 | Attended Two week Faculty Development Program (FDP) on “Machine Learning and Deep Learning in Signal Processing Applications" from 27th September to 1st October 2021, VMTW, Hyderabad. |
| 2 | Attended Two week Faculty Development Program (FDP) on “QUANTUM COMPUTING”, Sponsored by AICTE, from 8th MARCH to 20th MARCH 2021, ACE, Hyderabad. |
| 3 | Attended Two week Faculty Development Program (FDP) on “ADVANCED ARTIFICIAL INTELLIGENCE TECHNOLOGIES AND LEVERAGING OPEN FRAMEWORKS AND SDKs”, Sponsored by AICTE, from 22 nd FEB to 6th MARCH 2021, JBIT, Hyderabad. |
| 4 | Attended One Week FDP Program(FDP) on “Advanced Deep Learning Techniques with Python”, July 27- 2020 to August 1-2020 Conducted Anurag Group of Institutions, Hyderabad. |
| 5 | Attended Five Days FDP Program(FDP) on “machine learning and artificial intelligence & Internet of Things”-May 20 to 24- 2020, Conducted by LBRC, Vijayawada. |
| 6 | Attended Five Days FDP Program(FDP) on “Blockchain Technologies”-May 19 to 23-2020,Conducted by LBRC, Vijayawada. |
| 7 | Attended Three Days FDP Program(FDP) on “How to use Cloud Computing Effectively”- May 11 to 13- 2020, Conducted by Satyhabama University. |
| 8 | Attended Two week Faculty Development Program (FDP) on “Cyber Security, Crypt Analysis and Security for Physical Infrastructure”, Sponsored by the Department of Science & Technology (DST) under ICPS division, Govt. of India, from 09th Dec 2019 to 20th Dec2019, Gurunanak Engineering College, Hyderabad. |

Communicated Paper to Scopus Journal:

1. Communicated Research article with title “An Adaptive and Effective Content based Image Retrieval using Bivariate and Truncated Bivariate Gaussian Mixture Models”, to **IJATEE- Manuscript ID: IJATEE.2021.874861, ISSN-2394-5443, 2394-7454-Under Review**

Administrative Experience:

1. Worked as HOD at RNEC, Ongole, From June 2015-May 2017.
2. Worked as HOD at VMTW, Ghatkesar, Hyderabad, From September 2020 to September 2021.

Date:
Place:

Signature
(Dr. S. Ranga Swamy)