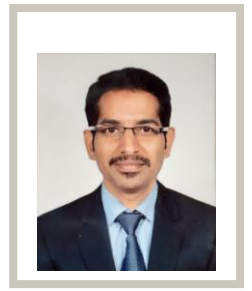


Dr. Kaushik Sekaran

Associate Professor



Education Qualifications: B.Tech, M.E., Ph.D-Doctor of Philosophy (CSE)
Specialization: Cloud Computing

ADDRESS:

- D – Block -Room No 107

JNTUH ID:

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EMAIL:

skaushik_cse@mgit.ac.in

DATE OF JOINING:

11-11-2021

EXPERIENCE - 13 Years

- Teaching - 13
- Research - 0
- Industry - 0
- Others - 0

SUMMARY:

- Publications - 15
- Conferences - 4
- Patents - 3
- Book chapters - 2
- Honors/Awards - 3

EVENTS:

- Organized - 6
- Attended - 30+

LET'S MEET ON SOCIAL:

- <https://www.linkedin.com/Kaushiksekaran>

Membership of Professional Bodies:

1. IEEE SIGHT
2. IAENG

Honors/Awards Received:

1. ACM Best Presentation Award in an International conference - 2018 2nd International Conference on Digital Technology in Education (ICDTE 2018) October 10-12, 2018, in Bangkok, Thailand, [Scopus indexed – Proceedings in ACM] for the paper “Combating Distributed Denial Of Service Attacks Using Load Balanced Hadoop Clustering In Cloud Computing Environment”, WebLink: <http://www.icdte.org/icdte2018.html>
2. Invited as an Adjunct Faculty cum International Guest Lecture for the course “Computer Networks and Cloud computing” in the programme “Internationalization at home-2017” at Universidad Juárez del Estado de Durango, Durango, Mexico.
3. Got Active SPOC award from NPTEL-SWAYAM MOOC courses Jul – Dec 2019.

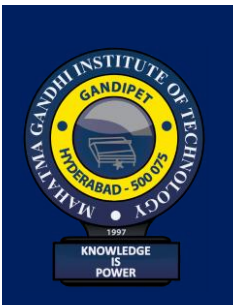
Courses Handled at Under Graduate /Post Graduate Level:

- CLOUD COMPUTING
- COMPUTER NETWORKS
- OPERATING SYSTEMS
- INTERNET OF THINGS (IoT)
- COMPUTER FORENSICS
- PROGRAMMING IN C

Publications:

SCI-E indexed Journal Publications:

1. "Enriched Grey Wolf Optimization Algorithm for solving Global Optimization Problems", R. Rajakumar, Kaushik Sekaran, Ching-Hsien Hsu and Seifedine Kadry published in Technological Forecasting & Social Change, Elsevier, SCI-E indexed, Impact Factor: 8.546. vol. 169, issue C, August 2021.
2. "Improving The Response Time Of M-Learning And Cloud Computing Environments Using A Dominant Firefly Approach", Kaushik Sekaran, Mohammed S. Khan, Rizwan Patan, Amir H. Gandomi, Venkata Krishna Parimala, Suresh Kallam, IEEE Access, Volume: 7, Page(s): 30203 – 30212, Feb 2019 – ISSN: 2169-3536- Impact factor of 4.098 - Indexed in The Clarivate Analytics Science Citation Index Expanded (SCI-E Indexed). DoI: 10.1109/ACCESS.2019.2896253
3. "Deep Learning Convolutional Neural Network (CNN) with Gaussian Mixture Model for predicting Pancreatic Cancer", 2019, Kaushik Sekaran, P. Chandana, Murali Krishna. N, seifedine kadry, Multimedia Tools and Applications, Springer, ISSN: 1380-7501, 2019, Impact Factor 1.541, Indexed in The Clarivate Analytics Science Citation Index Expanded (SCI-E Indexed)
4. "An Efficient Mixture Model Approach in Brain-Machine Interface Systems for Extracting the Psychological Status of Mentally Impaired Persons using EEG Signals", N Murali Krishna, Kaushik Sekaran, Annepu Venkata Naga Vamsi, GS



Pradeep Ghantasala, P Chandana, Seifedine Kadry, Tomas Blažauskas, Robertas Damaševičius, 2019, IEEE Access –ISSN: 2169-3536- Impact factor of 4.098 - Indexed in The Clarivate Analytics Science Citation Index Expanded (SCI-E Indexed). DOI: 10.1109/ACCESS.2019.2922047

Google Scholar citations: 248

h-index : 10

i-10 index: 10

SCOPUS indexed Journal Publications:

1. Published a research Paper “Content based load balancing of tasks using task clustering for cost optimization in cloud computing environment” by Kaushik Sekaran and VenkataKrishna.P, in International Journal of Advanced Intelligence Paradigms(IJAIP), Inderscience Publishers, 2022 Vol.21, No.1/2, pp.1 - 17. (Peer reviewed and Indexed in Scopus).
2. Published a research paper “An energy-efficient cluster head selection in wireless sensor network using grey wolf optimization algorithm”, Kaushik Sekaran, R. Rajakumar, K. Dinesh, Y. Rajkumar, T. P. Latchoumi, Seifedine Kadry, Sangsoon Lim, TELKOMNIKA Telecommunication, Computing, Electronics and Control Vol. 18, No. 6, December 2020, pp. 2822~2833 ISSN: 1693-6930, accredited First Grade by Kemenristekdikti, Decree No: 21/E/KPT/2018 DOI:10.12928/TELKOMNIKA.v18i6.15199
3. Published a research paper "An effective identification of crop diseases using faster region based convolutional neural network and expert systems",P. Chandana, G. S. Pradeep Ghantasala, J. Rethna Virgil Jeny, Kaushik Sekaran,Deepika N.,Yunyoung Nam, Seifedine Kadry,International Journal of Electrical and Computer Engineering (IJECE)Vol.10, No.6, December2020, pp. 6531~6540, ISSN: 2088-8708, DOI: 10.11591/ijece.v10i6.pp6531-6540,Journal homepage: <http://ijece.iaescore.com/index.php/IJECE>
4. Published a research paper “Smart agriculture management system using internet of things”, Kaushik Sekaran, Maytham N. Meqdad, Pardeep Kumar, Soundar Rajan, Seifedine Kadry, 2020 - Vol 18, No-3, TELKOMNIKA Telecommunication, Computing, Electronics and Control, ISSN: 1693-6930, e-ISSN: 2302-9293.
5. Published a research paper “Implementation of face and eye detection on DM6437 board using simulink model”, B. Vijayalaxmi, Kaushik Sekaran, N. Neelima, P. Chandana, Maytham N. Meqdad,Seifedine Kadry,Bulletin of Electrical Engineering and Informatics,Vol. 9, No. 2, April 2020, pp. 785~791, ISSN: 2302-9285, DOI: 10.11591/eei.v9i2.1703, Journal homepage: <http://beei.org>
6. Published a research paper “Image processing based eye detection methods a theoretical review”,B. Vijayalaxmi, Chavali Anuradha, Kaushik Sekaran, Maytham N. Meqdad, Seifedine Kadry,Bulletin of Electrical Engineering and Informatics,Vol.9, No. 3, June 2020, pp. 1189~1197,ISSN: 2302-9285, DOI: 10.11591/eei.v9i3.1783, Journal homepage: <http://beei.org>
7. Published a research paper “Design of optimal search engine using text summarization through artificial intelligence techniques”, Kaushik Sekaran, P. Chandana, J. Rethna Virgil Jeny, Maytham N. Meqdad, Seifedine Kadry, 2020 - Vol 18, No-3, TELKOMNIKA Telecommunication, Computing, Electronics and Control, ISSN: 1693-6930, e-ISSN: 2302-9293.
8. Published a research paper “Cross region load balancing of tasks using region based rerouting of loads in cloud computing environment” by Kaushik Sekaran and VenkataKrishna.P, in Inderscience Publishers, Int. J. of Advanced Intelligence Paradigms, 2017 Vol.9, No.5/6, pp.589 - 603 (Peer reviewed and Indexed in Scopus)
9. Published a research Paper “Privacy Protection and Resource Management in Cloud – A Survey” by Kaushik Sekaran, in International Journal of Intelligent

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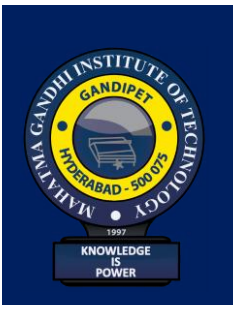
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Engineering and Systems, 2017. [Scopus indexed]

10. Published a research paper “Big Cloud:A Hybrid Cloud Model for Secure Data Storage through Cloud Space”, by Kaushik Sekaran and VenkataKrishna.P, in Int. J. of Advanced Intelligence Paradigms, 2016 Vol.8, No.2, pp.229 - 241. (Peer reviewed and Indexed in Scopus)

Conferences:

1. “Combating Distributed Denial Of Service Attacks Using Load Balanced Hadoop Clustering In Cloud Computing Environment”, International conference - 2018 2nd International Conference on Digital Technology in Education (ICDTE 2018) October 10-12, 2018, in Bangkok, Thailand , [Scopus indexed – Proceedings in ACM] – Best Presentation Award , WebLink: <http://www.icdte.org/icdte2018.html>
2. “Firefly search behaviour inspired energy efficient load balancing of tasks in cloud computing environment”, International Conference on Computational Vision and Bio Inspired Computing, 29-30 November 2018, Coimbatore, Nov-2018. [Scopus Indexed Springer LNCS Conference]
3. “A Study Of Distributed Systems And Its Applications On Cloud Based Iot (Internet Of Things)”, International Symposium – SISCCA-2017 May 17th 2017, at Universidad Juárez del Estado de Durango, Durango, Mexico.
4. “Design Of Novel Cloud Architecture For Energy Aware Cost Computation In Cloud Computing Environment”, International conference - iPACT April 22nd 2017: IEEE-madras section, VIT University, Vellore campus, India. [IEEE Xplore, Scopus indexed]

Patents:

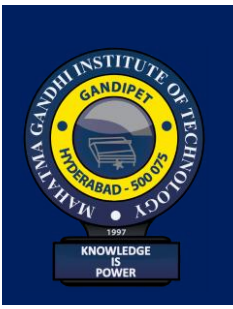
1. Indian Patent Title: “IMPROVED AUTHENTICATION AND COMPUTATION OF MEDICAL DATA TRANSMISSION IN THE SECURE IOT USING HYPERELLIPTIC CURVE CRYPTOGRAPHY.”, 2022, Application Number : IN- 202141058582
2. Indian Patent Title: “ADVANCED MEDICAL OBSERVATION CARE USING BLOCKCHAIN TECHNOLOGY”, 2020 Application Number : IN-202041003436
3. Indian Patent Title: “MPT-DETECTION: MEDICAL PROBLEMS DETECTION USING MACHINE LEARNING, DEEP LEARNING CONCEPT”, 2019 Application Number : IN-201941051519

No. of Books/Chapter Published with details:

1. Blockchain for e-healthcare: an opportunity for enhancing interoperability challenges faced by block chain based applications, Dr.J.Rethna Virgil Jeny, Dr.Kaushik Sekaran, Sai Srujan Dandyala, Published in IET Book on Healthcare Technologies, 2021, Blockchain and Machine Learning for e-Healthcare Systems, <https://www.theiet.org/media/5540/healthcare-ebooks-lowres.pdf> (IET-Scopus)
2. Published one book chapter “Chapter-3 Emerging Technologies and Applications for Cloud-Based Gaming: Review on Cloud Gaming Architectures (pages 67-87)” by Deverajan Gopal, Sekaran Kaushik, on IGI Global, Hershey, Pennsylvania (USA), indexed in: Thomson Reuters Book Citation Index, DOI: 10.4018/978-1-5225-0546-4.ch003, Release Date: July, 2016|Copyright: © 2017 |Pages: 314, ISBN13: 9781522505464|ISBN10: 1522505466|EISBN13:9781522505471 (Scopus)

Events Organized:

1. Coordinated Internal Hackathon, “Smart India Hackathon”, 9th March 2022, MGIT, Hyderabad.
2. Organized Faculty development Programme (FDP) at VNRVJIET, Hyderabad in the topic “Data Science for Engineers” by Prof. Seifedine Kadry, Norway on 25th

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August 2021.

3. Facilitated a Faculty development Programme (FDP) for all faculties across VIT University, Vellore in the topic "Digital tools" on 12th November 2016.
4. Organized "Smart India Hackathon", February 2021, Vignan Institute of Technology and Science.
5. Organized a Workshop on the Topic "Real Time Operating System", by Mr. Sathish, Asarva Chips and Technologies, Bangalore on 4-11-2016 at VIT University, Vellore.
6. As a Workshop coordinator, Organized ISTE sponsored IIT-Bombay initiative "Cyber Security" Workshop on 10th to 20th July 2014 at VIT University, Vellore.

Events Attended:

1. Attended FDP on "Artificial Intelligence & it's Applications", from 6th June 2020 to 11th June 2020, Organised by Vignan Institute of Technology & Science in association with NYCI & BRAINOVISION Solutions, Hyderabad.
2. Attended FDP on "Data Science", on 19th November 2019, Organised by Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad.

REFRESHER COURSES/ WORKSHOPS/ WEBINARS/ SEMINARS/GUEST LECTURE**WORKSHOPS**

1. Attended Coordinators' Workshop on "Cyber Security" at IIT (Indian Institute of Technology)-Bombay from May 17th to May 21st 2014.
2. Attended Workshop on "PROGRAM OPTIMIZATION ON MULTICORE ARCHITECTURES - Jun 2009 at IIT (Indian Institute of Technology)-Kanpur.

GUEST LECTURE

1. Delivered topics "IoT (Internet of Things) and cloud computing" as a Guest Lecture for two days in the programme "Recent Advances in Electrical Engineering Research (RAEER)-2017" during 20th February 2017 to 2nd March 2017 under TEQIP-II, sponsored by MHRD at Sri Venkateswara University College of Engineering, Tirupati, India.
2. Delivered topics in Grid and Cloud Computing as a Guest Lecture to final year UG students on 21st September 2016 at St. Joseph College of Engineering, Chennai-602 117, India.

Online Certifications:

1. Got Elite Certificate for the course Cloud computing in NPTEL-SWAYAM MOOC courses Jul - Dec 2019 with 72%.