

Name: Dr. SARITH DIVAKAR M

Designation: Assistant Professor

Age: 37

Date of joining at LBSCEK: 03-09-2015



Address:

- OFFICE: Computer Science & Engineering, LBS College of Engineering, Kasaragod
- RESIDENCE: Madathil (H), Pazhankavu, Nutstreet PO, Vadakara - 673104

Contact Details:

- Telephone: 9946760222
- Email: sarith@lbscek.ac.in
- Website: <https://sites.google.com/lbscek.ac.in/sarith>
- Google Scholar: <https://scholar.google.com/citations?user=o6bwPNAAAAAJ>
- Researchgate: <https://www.researchgate.net/profile/Sarith-Divakar>
- ORCID: <https://orcid.org/0000-0001-9622-5498>
- LinkedIn Profile: <https://www.linkedin.com/in/sarithdivakarm>
- Github: <https://github.com/sarithdm>

Educational Qualifications:

- PhD: Cochin University of Science and Technology (CUSAT)
- MTech: Computer Science with specialization in Information Systems from Rajagiri School of Engineering & Technology (RSET), MG University
- BTech: Information Technology from School Of Engineering (SOE), CUSAT

Career path:

- Assistant Professor – Computer Science & Engineering (Sep 2015 – Present): LBS College of Engineering, Kasaragod.
- Assistant Professor – Computer Science & Engineering (July 2014 – Sep 2015): Cochin College of Engineering & Technology (CCET), Valanchery.
- Lecturer – Computer Engineering (Aug 2013 – June 2014): College of Applied Science (CAS, IHRD), Kozhikode.
- Chief Executive Officer (July 2011 – Aug 2015): Omnipresent IT Solutions Pvt Ltd (OPIS), Kozhikode/Malaysia
- Software Engineer (Aug 2010 – Aug 2011): Omnipresent IT Solutions Pvt Ltd (OPIS), Kozhikode
- Team Member – Operations (Sep 2009 - Jul 2010): FIS Payment Solution & Services India Pvt. Ltd (FIS), Powai, Mumbai.

Research interest:

- Machine Learning and Deep Learning, Computer Vision

Teaching Experience:

- 9 Years
- Master Trainer, “Artificial Intelligence and Machine Learning, ASAP, Govt. of Kerala”

Subjects Taught:

- Data Mining and Data Warehousing, Machine Learning, Data Analytics, Data Science, Computer Vision, Deep Learning

Achievements:

- Secured All India Rank 174 in GATE (IT) exam 2008.
- Qualified NET 2012.
- Qualified GATE (CS) exam in 2009,2011,2012,2014.
- Secured 92 percentile in C-DAC CST – G Level exam 2011.
- Founded Omnipresent IT Solutions Pvt Ltd in Aug 2010.

Sponsored Project:

- A deep neural network based crop classification technique using multi-temporal satellite imagery (01707 /SPS 64/2019/KSCSTE) order dated 16-Jan-2020
- An integrated approach for flood prediction using deep learning techniques, Ideas to Impact Challenge (i2I) 2023-24, i2i2023W0168, Order dated 19-Feb-2024
- A collaborative E Governance framework, CEDS, order dated 24/2/2024

Competitions:

- District level winner of K-DISC Young Innovators Programme (YIP 4.0), Sarith Divakar M, Hashmy Hassan, Dr. Sudheep Elayidom M, "Deep transfer learning based crop monitoring and yield forecasting system" (IDEA ID: 9631) (Order No.320/2023/K-DISC), dated 15-July-2023.

Membership in Professional bodies:

- The Indian Society For Technical Education(ISTE)-Life time member
- Soft Computing Research Society (SCRS)

Activities Coordinated:

- Co-Coordinator and Website Chair, “2nd International Conference on Advances in Security and Computing (ICASC 2021)”
- Co-Coordinator, “International Conference on Recent Advancements in Engineering and Technology(iCORETech 2018)”
- Coordinator and Website Chair, “International Conference on Recent Trends in Computing

- and Communication (ICRTCC 2015)”
- Advisory Committee, Introduction of mobile platform facilities in University of Calicut
- Coordinator, Faculty Development Programme on Deep Learning, DL 2023
- Coordinator, ATAL Faculty Development Programme on MLOps, 2024

Administrative works:

- Nodal Officer, “Innovations and Entrepreneurship Development Cell, LBSCEK”
- Placement Coordinator, “Carrier Guidance and Placement Unit, LBSCEK”
- Coordinator, “FLOSS Club, LBSCEK”
- Coordinator, “Tinkerhub Club, LBSCEK”
- Staff in-charge, “Computer Science and Information Technology department Association,LBSCEK”
- Accreditation Coordinator, B.Tech in Information Technology

List of journals:

- Design and implementation of an efficient and cost effective deep feature learning model for riceyield mapping, “IJCSE”, (eSCI), 2021
- An Intelligent System for Early Assessment and Classification of Thyroid Disease, JCIS, 2019
- High Utility Pattern Mining Using Sliding Window Control with Parallel Mining for Establishing Profitable Manufacturing Plans, JCIS, 2019
- An Efficient Approach for Crop Yield Forecasting Using Machine Learning Techniques based on Normalized Difference Vegetation Index and Climatic Indices, “JARDCS”,(Scopus), 2018

List of Book Chapters

- M. Sarith Divakar, M. Sudheep Elayidom, R. Rajesh, Forecasting crop yield with deep learning based ensemble model, Materials Today: Proceedings, 2022, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2022.02.109>
- Sarith Divakar, M., Sudheep Elayidom, M., Rajesh, R. (2022). Feature Engineering of Remote Sensing Satellite Imagery Using Principal Component Analysis for Efficient Crop Yield Prediction. In: Suma, V., Fernando, X., Du, KL., Wang, H. (eds) Evolutionary Computing and Mobile Sustainable Networks. Lecture Notes on Data Engineering and Communications Technologies, vol 116. Springer, Singapore. https://doi.org/10.1007/978-981-16-9605-3_13
- Divakar, M.S., Elayidom, M.S., Rajesh, R. (2022). Sequence Models for Crop Yield Prediction Using Satellite Imagery. In: Smys, S., Tavares, J.M.R.S., Balas, V.E. (eds) Computational Vision and Bio-Inspired Computing. Advances in Intelligent Systems and Computing, vol 1420. Springer, Singapore. https://doi.org/10.1007/978-981-16-9573-5_49
- Divakar, M.S., Elayidom, M.S., Rajesh, R. (2022). Analysis of Remote Sensing Satellite Imagery for Crop Yield Mapping Using Machine Learning Techniques. In: Saraswat, M., Sharma, H., Balachandran, K., Kim, J.H., Bansal, J.C. (eds) Congress

on Intelligent Systems. Lecture Notes on Data Engineering and Communications Technologies, vol 114. Springer, Singapore. https://doi.org/10.1007/978-981-16-9416-5_50

List of Conferences

- UDDI Rated Web Services, “The third International Conference on Advances in Computing and Communications”, (IEEE), 2013
- Registry Based Discovery Model for Android Application, “The third International Conference on Advances in Computing and Communications”, (IEEE), 2013

List of invited talk:

- Delivered a talk on “Data Analytics in Agriculture” organized by Department of ECE, LBSCEK on 6-Sep-2021
- Session chair, 2nd International Conference on Advances in Security and Computing (ICASC 2021)
- Delivered a talk on “Github” organized by Department of CSE, School of Engineering, CUSAT on 16th Feb 2021
- Delivered a talk on “Machine Learning in IoT” organized by Department of ECE, LBSCEK on 12-Jan-2021
- Delivered a session on SVM, hosted by ASAP, Govt. of Kerala for Engineering students in Kerala
- Delivered a talk on “Introduction to FLOSS” organized by College of Engineering Trikaripur on 16th Aug 2019
- Delivered a talk on “The future of Data Science” organized by College of Engineering Trikaripur on 28th Sep 2016
- Handled a session on “Big Data Analytics” for DST Sponsored Ten Day Faculty Training Programme organized by Hindusthan Institute of Technology, Coimbatore on 19th May 2016
- Handled a session on “WordPress on Microsoft Azure” organized by RSM SNRP Yogam College, Koyilandy on 16th Jan 2016
- Delivered a talk on “WordPress on Microsoft Azure” for an event “Open Source on Microsoft Azure” organized by Microsoft Developer Community, Kerala at Technopark, Trivandrum
- Handled a session on “Big Data Processing with Apache Spark” organized by LBS College of Engineering, Kasaragod on 9th Dec 2015
- “Handled a session on Information Skills” to Employees of Motor vehicle Department on 23-30 Apr 2014 conducted jointly by the IHRD & the KSHECI at CAS, IHRD.

Peer Reviewer:

- 5th International Conference on Control, Communication and Computing, Thiruvananthapuram, India

- 9th International Conference on Smart Computing and Communications, Kochi, India
- 3rd International Conference on Control, Communication and Computing, Kasaragod, India

Consultancy project:

- The Kasaragod – Karadka Block Vanitha Service Co-Op Society Ltd. No. C. 963, Kasaragod
- The Kasaragod District Postal Employees Co-Operative Society Ltd. No. S. 53, Kasaragod
- Kerala State Road Transport Employees Co-Operative Society Ltd. No. S. 12, Kasaragod
- The Kerala Govt. Contractors co-operative society Ltd. No. K581, Kasaragod
- The Kasaragod district Govt. Employees welfare co-operative society ltd. No. S 518, Kasaragod
- Paivalike Vanitha Service Co-Op Society Ltd. No. K.560, Kasaragod
- Kasaragod Vyapari Vyavasai Welfare Co-Operative Society Ltd., No. S 477, Kasaragod
- The Kuttikol Agriculturist Welfare Co-Op Society Ltd. No. S 383, Kuttikol, Kasaragod

