

**NAME Dr. VINUTHA D C****Designation: Professor & Head****Department of CSE(AI&ML)**

<b>Date of Joining</b>	05-09-2003
<b>Length of Professional Experience</b>	20 years
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<b>Research ID</b>	AAU-2686-2020/
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**Academic Background**

- Ph.D from Visvesvaraya Technological University
- M.Tech in Computer Network Engineering from National Institute of Engineering, Mysuru, Karnataka
- B.E in Computer Science & Engineering from KIT, Tiptur, Karnataka

**Areas of Interest**

- Data Analytics, Big Data & Machine Learning
- Computer Networks

**Significant Publications****Publications in Conferences**

- *“Survey on adaptive Job Schedulers in Hadoop Map Reduce”*, ICCR-2016, MIT, Mysuru, 30<sup>th</sup> & 31<sup>st</sup> Dec 2016.
- *“Efficient Makespan Model for Hadoop MapReduce Framework for Provisioning Bioinformatics Applications”*, EECCME-2018, Vellore, Tamil Nadu, 28<sup>th</sup> & 29<sup>th</sup> Jan 2018.
- *“Node Performance Load Balancing Algorithm for Hadoop Cluster”*, IEEE International Conference on

Intelligent Sustainable Systems (ICISS 2019), IEEE, International Conference Feb 2019,

- ***“Dynamic Load Balancing Algorithm for Heterogeneous Hadoop Cluster”***, IEEE International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering (ICATIECE2019), IEEE, International Conference Mar 2019.
- ***“Data Prefetching for Heterogeneous Hadoop Cluster”***, IEEE International Conference on Advanced Computing and Communication Systems (ICACCS 2019), IEEE, International Conference Mar 2019.
- ***“Association Rule Mining in Agriculture A Review”***, ISMAC-CVB 2019, Tamilnadu, International Conference,13-14 March 2019.
- ***“A Study on Different Types of Scheduling Algorithms”***, ICCMS 2019 International Conference, 27-29 March 2019.
- ***“Network Traffic Optimization in Hadoop MapReduce through Pre-shuffling”***, International Conference on Communication and Electronics Systems (ICES-2019), IEEE, July 2019.
- ***“In-Memory Cache and Intra-Node Combiner Approaches for Optimizing Execution Time in High Performance Computing”***, International Conference on Adaptive Computational Intelligence (ICACI-2019), IETE Springer series.
- ***“Evolutionary Approach based Scheduler for Speculative Task Execution”***, IEEE International Conference on Advances in Information Technology (ICAIT-2019), July 2019.
- ***“IoT Based Flow Valve Control and Accounting System”***, ICDECS-19, RNSIT. Bangalore.
- ***“Task Selection for Scheduling using Hadoop Scheduler”***, ICDECS-19, RNSIT. Bangalore.19-20 Dec 2019.
- ***“IoT Door Lock Security System using Google Assistance”***, ICDECS-19, RNSIT. Bangalore, 19-20 Dec 2019,

#### **Publications in Journals:**

- ***“A Survey on Job Schedulers of MapReduce”***, International Journal of Applied Engineering Research (IJAER), Volume 10, No.86, page No. 275-281, Dec 2015.
- ***“Friend Recommendation Framework using users online Behavior”***, IJERT, Vol-5, issue-20, 2017.
- ***“An Accurate and Efficient Scheduler for Hadoop MapReduce Framework”***, Indonesian Journal of Electrical

Engineering and Computer Science, Volume 12, No.3, page No. 1132-1142, December 2018.

- **“Performance Optimization through Data Pipeline in Heterogeneous Hadoop Cluster”**, International Journal of Computer Science and Information Security (IJCSIS), Volume 17, No. 4, April 2019.
- **“Deadline Constraint Aware Scheduler for Executing High Performance Computing Application on Hadoop MapReduce Framework”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume 8, Issue 8, page No. 3263- 3271, June 2019.
- **“DAG-CPM Scheduler for Parallel Execution of Critical Jobs”**, International Journal of Engineering and Advanced Technology, Volume 8, issue 6, August 2019.
- **“IoT Based Flow Valve Control and Accounting System”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE)-2019, Vol-9, Issue-2S, 2019.
- **“Task Selection for Scheduling using Hadoop Scheduler”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE)-2019, Vol-9, Issue-2S, 2019.
- **“IoT Door Lock Security System using Google Assistance”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE)-2019, Vol-9, Issue-2S, 2019
- **“Association Rule Mining in Agriculture A Review” Book Chapter** Computational Vision and Bio-Inspired Computing, Springer Publications, Switzerland, Jan 2020.
- **“In-Memory Cache and Intra-Node Combiner Approaches for Optimizing Execution Time in High-Performance Computing”**. Springer Publications, SN COMPUT. SCI. 1, 98 March 2020.

## Achievements

- Senior member of IEEE
- Life time Member of ISTE & IETE
- Member of Institution Engineers
- Member of Board of Examiners (VTU, NIE, PESCE)
- Member of Board of Studies (UOM, Mysuru)
- Member of Board of Governors (VVCE)

### Resource Person for FDP/Workshop

1. Resource person for 5 days FDP on **“Data Analytics using R” in vvce, Mysuru.**
2. Conducted two days workshop on **“Data Analytics using R”** for students of Sambhram Institute of Technology,

Bengaluru.

3. Conducted five days FDP on “**Data Analytics using R**” organized by Vivekananda Institute of Tecnology,Bengaluru

4. Resource person for 2 days FDP on “Mobile Application Development” organized by SJCIT, Chikkaballpur.

5. Resource person for webinar on “Artificial Intelligence” Organized by Audisankara Group of Institutions, Gudlur.

6. Resource person invited talk o “Innovation in Artificial Intelligence and Machine Learning” organized by KC College of Arts & Science, Coimbatore on 13/08/2021.

7. Resource person for FDP on “**Data Analytics using R**” organized by National Institute of Engineering, Mysuru on 24/5/2022.

7. Resource person for 2 days workshop on “Mobile Application Development” organized Government Engineering College, K R Pete, Mandya(D),Karnataka on 25<sup>th</sup> & 26<sup>th</sup> May @2022