

# Resume

**Dr.Kuppani Sathish, B.Tech, M.Tech,Ph.D, MIE, Sr.IEEE**

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## Career Summary

### Professional Summary:

- Over **20 years of teaching experience** in reputed engineering institutions, delivering high-quality education at undergraduate and postgraduate levels.
- Expertise in **academic administration and accreditation processes**, including **AICTE, FFC, NBA, and NAAC**.
- Successfully **guided and implemented numerous student projects** across UG and PG programs.
- Served as **reviewer for reputed SCI and Scopus indexed journals**, contributing to quality research dissemination.
- Secured **funding from multiple organizations** for organizing **FDPs, international conferences, and workshops**.
- Strong record in **curriculum development, research mentoring, and academic leadership**.

### PROFILE SUMMARY

- Head & Professor with 15+ years of teaching experience across multiple institutions and 5+ years of research experience.
- Proven record of 10+ patents (5 granted, 5 under examination with FER responded, 3 at hearing stage) and three textbooks published with Wiley, SNB, and Lambert publications.
- Successfully attended 50+ workshops and published 10+ national and international conference/journal papers, including SCI and Scopus-indexed journals, along with book chapters.
- Recipient of three Best Research Paper Awards, Dr. B.R. Ambedkar Research Fellowship Award, and Gowtham Buddha Award for excellence in research and teaching.
- Demonstrated excellence as a resource person for 5 workshops/training sessions, specializing in Machine Learning, Artificial Intelligence, and Big Data Analytics for various institutions.
- Research Areas: Grid and Cloud Computing, Artificial Intelligence (AI), and Health Care

## Objective / Career Vision:

To secure a position where I can effectively utilize my skills and expertise to contribute to the growth of the organization while advancing my professional career. My vision is to train students in-depth in Computer Science & Engineering, enabling them to develop confidence in research, development, and practical applications, and preparing them for successful careers in national and multinational companies. I aim to cultivate graduates who can be of immediate value to industry, society, and the nation.

## Academic Credentials

- Ph.D. in Computer Science & Engineering – *S.V. University, Tirupati, 2017*  
*Thesis Title: "Novel Strategies for Resource Allocation and Scheduling in Grid Computing Environment"*
- M.Tech in Computer Science & Engineering – *Andhra University, 2002*  
*First Class with Distinction*
- B.E. in Electronics – *Bangalore University, 1997*
- Intermediate (M.P.C.) – *AGS Junior College, Tirupati*  
*First Class*
- SSC – *ZPP High School, Irugalam, sathyavedu(M)*  
*First Class*

## Professional Practice [21years]

S.No	College name/industry	From	To	No.years	Position
1	Infosys, Bangalore	1997	2000	3	System analyst
2	NBKCRIST, Vakadu	2002	2011	9	Assistant professor & Associate Professor
3	Kuppam Engineering College, kuppam	2011	2016	5	Professor & HOD
4	A.M. Reddy Memorial Engineering College, Narasaraopet	2016	2017	1	Principal, Professor
5	Tirumala Engineering College	2017	Till date		Professor & <b>HOD</b>

# Funding and Academic Contributions

## Funding Summary:

- IIPC Project: ₹10.6 Lakhs (KEC)
- Faculty Development Program (7 days): ₹6.2 Lakhs (KEC)
- IoT Workshop (2 days): ₹1 Lakh (AMRN)
- MODROBS Project: ₹15 Lakhs (TEC)
- International Conference: ₹4 Lakhs (TEC)

## Research Publications & Patents:

- International Journals: 19 (Scopus: 8, SCI: 5)
- National Journals: 6
- Patents: 7
- Conferences Presented: 3

## Academic Engagements:

- Workshops/Seminars Attended: 11
- Faculty Development Programs Attended: 35
- Faculty Development Programs Organized (KEC): 2
- International Conferences Organized (TEC): 2
- National Conferences Organized (KEC): 3
- National Conferences Attended: 12

## Professional Memberships:

- MIE, MIST, CSI, IETE, IEEE

## Researcher Identifiers

- ORCID iD: <https://orcid.org/0000-0002-4651-8310>
- Scopus Author ID: [Scopus - Author search results | Signed in](#)
- ResearcherID (Web of Science): Web of Science ResearcherIDL-9417-2019
- Google Scholar Profile:  
<https://scholar.google.com/citations?user=f52BELkAAAAJ&hl=en&oi=ao>
- LinkedIn Profile: <https://www.linkedin.com/notifications/?filter=all>

## Overall Responsibilities:

- Actively coordinating all the departmental operations
- Proactively delivering the lectures on time
- Efficiently conducting the class assignments and carrying out necessary evaluation
- Organizing mid-sem exams, class assignments along with external and internal lab exams & evaluating the same
- Conducting events such as seminars, conferences, workshops etc. both on campus and out campus

- Delivering roaster duties & examination duties
- Accountable for other departmental work
- Playing a crucial role as an Alumni Coordinator

## INTERNATIONAL JOURNALS PUBLISHED

### SCI (WEB OF SCIENCE / IMPACT FACTOR JOURNALS):

- [1] **K. Sathish**, H. Mahalingam, K. Padmaja, R. Makala, and N. R. Krishnaiah, “An integrated design for improving spectral efficiency of FSO communication system in 6G applications,” *Int. J. Commun. Syst.*, vol. 37, no. 9, art. no. e5776, 2024, doi: 10.1002/dac.5776.
- [2] S. Addanke, **K. Sathish**, P. V. Krishna, et al., “An efficient resource management framework for big data using deep feed forward learning networks in smart health care systems,” *Soft Comput.*, vol. 28, suppl. 2, p. 693, 2024, doi: 10.1007/s00500-023-08743-3.
- [3] **K. Sathish**, Y. V. Narayana, M. S. Mekala, and M. S. et al., “Efficient tumor volume measurement and segmentation approach for CT image based on twin support vector machines,” *Neural Comput. Appl.*, vol. 34, pp. 7199–7207, 2022, doi: 10.1007/s00521-021-06769-y.
- [4] B. Mallikarjuna, **K. Sathish**, P. V. Krishna, et al., “The effective SVM-based binary prediction of ground water table,” *Evol. Intell.*, vol. 14, pp. 779–787, 2021, doi: 10.1007/s12065-020-00447-z.
- [5] P. S. L. Kalyampudi, P. V. Krishna, **K. Sathish**, et al., “A workload prediction strategy for power optimization on cloud-based data centre using deep machine learning,” *Evol. Intell.*, vol. 14, pp. 519–527, 2021, doi: 10.1007/s12065-019-00289-4.

### SCOPUS INDEXED JOURNALS:

- [1] T. T. Meenachisundaram, S. Ramachandran, S. Gajendran, O. K. C. Umakantham, and **K. Sathish**, “Biomedical named entity recognition using TCN approaches and bio tagging,” *J. Auton. Intell.*, vol. 6, no. 1, pp. 1–15, 2023, doi: 10.32629/jai.v6i1.1123.
- [2] A. N. Bharathi, **K. Sathish**, and G. Keerthana, “An efficient vote casting system with Aadhar verification through blockchain,” *Int. J. Syst. Syst. Eng.*, vol. 12, no. 4, pp. 441–455, 2022, doi: 10.1504/IJSSE.2021.10034938.
- [3] **K. Sathish** and K. Kolli, “Sustainable wireless clouds with security assurance,” *Int. J. Inf. Comput. Secur.*, vol. 14, no. 2, pp. 146–159, Feb. 2021, doi: 10.1504/IJICS.2021.113171.
- [4] **K. Satish** and A. R. M. Reddy, “Resource allocation in grid computing environment using genetic auction based algorithm,” *Int. J. Grid High Perform. Comput.*, vol. 10, no. 1, pp. 1–15, 2018.
- [5] **K. Sathish** and A. R. M. Reddy, “Workflow scheduling in grid computing environment using a hybrid GAACO approach,” *J. Inst. Eng. India, Ser. B*, vol. 98, pp. 121–128, 2017, doi: 10.1007/s40031-016-0230-z.

- [6] **K. Sathish** and A. R. M. Reddy, “An optimised genetic algorithm for energy aware grid computing with limited iterations,” *Int. J. Smart Grid Green Commun.*, vol. 1, no. 2, pp. 103–113, Sep. 2016, doi: 10.1504/IJSGGC.2016.078941.
- [7] P. S. L. Kalyampudi, P. V. Krishna, **K. Sathish**, and V. Saritha, “A workload prediction strategy for power optimization on cloud-based data centre using deep machine learning,” *Evol. Intell.*, vol. 14, no. 2, pp. 519–527, Sep. 2019, doi: 10.1007/s12065-019-00289-4.
- [8] **K. Sathish** and B. Sravanthi, “Restaurant recommendation system using clustering techniques,” *Int. J. Recent Technol. Eng. (IJRTE)*, vol. 8, no. 2S4, pp. 917–921, Apr. 2019, ISSN: 2277-3878.
- [9] **K. Sathish** and A. R. RamaMohan Reddy, “Resource allocation mechanism with new models for grid environment,” *Int. J. Grid High Perform. Comput.*, vol. 5, no. 2, pp. 1–26, May 2013, ISSN: 1938-0259.
- [10] **K. Sathish** and A. R. RamaMohan Reddy, “Maximizing computational profit in grid resource allocation using dynamic algorithm,” *Glob. J. Comput. Sci. Technol.*, vol. —, no. —, pp. —, 2013, ISSN: 0975-4172.
- [11] **K. Sathish** and A. R. RamaMohan Reddy, “Enhanced ant algorithm-based load balanced task scheduling in grid computing,” *Int. J. Comput. Sci. Netw. Secur. (IJCSNS)*, vol. 8, no. 10, pp. 219–223, Oct. 2008, ISSN: 1738-7906.

## **Book chapters:**

- [1] C. J. Nettem, B. Mamatha, **K. Sathish**, K. R. Krishnaiah, and Y. V. Narayana, “Green firmware and software architectures for sustainable medical IoT devices,” in *Development and Management of Eco-Conscious IoT Medical Devices*, C. Sheih, P. Upadhyay, M. Bhutani, V. Bandaru, and P. Dass, Eds. Hershey, PA, USA: IGI Global Scientific Publishing, 2025, pp. 183–216, doi: 10.4018/979-8-3373-4134-7.ch007.
- [2] K. C. Busi, R. K. Siva, B. P. Battula, P. V. Jyothi, **K. Sathish**, and Y. V. Narayana, “Edge-AI for energy-efficient real-time health monitoring in IoT medical devices,” in *Development and Management of Eco-Conscious IoT Medical Devices*, C. Sheih, P. Upadhyay, M. Bhutani, V. Bandaru, and P. Dass, Eds. Hershey, PA, USA: IGI Global Scientific Publishing, 2025, pp. 247–274, doi: 10.4018/979-8-3373-4134-7.ch009.
- [3] **K. Sathish**, V. K. Bandaru, D. S. Gondi, Anbarasu, and M. Bhutani, “Revolutionizing supply chain management with AI and green computing,” in *Sustainable Information Security in the Age of AI and Green Computing*, B. Gupta, D. Pramod, and M. Moslehpour, Eds. Hershey, PA, USA: IGI Global Scientific Publishing, 2025, pp. 419–438, doi: 10.4018/979-8-3693-8034-5.ch021.
- [4] **K. Sathish**, D. S. Gondi, V. K. Bandaru, K. K. Kumar, K. P. Rao, and M. Bhutani, “Artificial intelligence and machine learning in space cyber defense,” in *Advanced Cyber Defense for Space*

### Conferences Attended / Presented [Scopus Indexed]

- [1] K. Sathish, R. Jacob, A. M., D. S. Gondi, E. Howard, and D. Haridas, “Integrating quantum mechanics and machine learning for enhanced molecular simulation and drug discovery,” in *Proc. 2nd Int. Conf. Multidisciplinary Research and Innovations in Engineering (MRIE)*, Gurugram, India, 2025, pp. 762–767, doi: 10.1109/MRIE66930.2025.11156577.
- [2] V. K. R. Bandaru, D. S. Gondi, **K. Sathish**, K. Kanthi Kumar, N. Ramakrishnaiah, and M. Bhutani, “Transforming patient records into actionable insights with natural language processing in health care,” in *Innovative Computing and Communications (ICICC 2025), Lecture Notes in Networks and Systems, vol. 1435*, A. E. Hassanien, S. Anand, A. Jaiswal, and P. Kumar, Eds. Singapore: Springer, 2025, doi: 10.1007/978-981-96-6906-6\_34.
- [3] D. S. Gondi, V. K. R. Bandaru, **K. Sathish**, K. Kanthi Kumar, N. Ramakrishnaiah, and M. Bhutani, “Balancing innovation with patient privacy amid ethical challenges of AI in health care,” in *Innovative Computing and Communications (ICICC 2025), Lecture Notes in Networks and Systems, vol. 1435*, A. E. Hassanien, S. Anand, A. Jaiswal, and P. Kumar, Eds. Singapore: Springer, 2025, doi: 10.1007/978-981-96-6906-6\_39.
- [4] **K. Sathish**, A. Dhanke, R. Mohandas, A. M. Gund, K. R., and J. Ranga, “Robust design of floor cleaning robot with smart power handling abilities based on solar assisted renewable energy sources,” in *Proc. 2024 5th Int. Conf. Electron. Sustain. Commun. Syst. (ICESC)*, Coimbatore, India, 2024, pp. 239–246, doi: 10.1109/ICESC60852.2024.10690142.
- [5] **K. Sathish**, J. G. Thatipudi, P. Manikandan, N. Kanthimathi, T. S. Rao, and P. Alexander, “Blockchain based enhancement of digital revolution in financial sector,” in *Proc. 2023 Int. Conf. Sustainable Comput. Data Commun. Syst. (ICSCDS)*, Erode, India, 2023, pp. 1283–1286, doi: 10.1109/ICSCDS56580.2023.10104724.
- [6] **K. Sathish**, S. Rama Subba Reddy, and K. Govinda, “Detection and localization of multiple objects using VGGNet and single shot detection,” in *Emerging Research in Data Engineering Systems and Computer Communications: Proc. CCODE 2019*. Singapore: Springer, 2020, pp. 427–439.

### Patents Published /Granted

1. K. Sathish, "Smart Nerve Activation Device for Health Care Device," Indian Design Application ID: 432177-001, Accepted Sep. 2024. [Online]. Available: <https://search.ipindia.gov.in/DesignApplicationStatus/>
2. K. Sathish, "AI Based Cyber Security Data Analytic Device," Indian Design Application ID: 432167-001, Under Processing, Sep. 2024. [Online]. Available: <https://search.ipindia.gov.in/DesignApplicationStatus/>

3. K. Sathish, "Machine Learning Based Band for Stress Detection," Indian Design Application ID: 422506-001, Accepted July 2024. [Online]. Available:  
<https://search.ipindia.gov.in/DesignApplicationStatus/>
4. K. Sathish, "Computer Vision-Based Face Mask Scanning and Detecting Device," UK Registered Design 6356329, Granted Apr. 10, 2024. [Online]. Available:  
<https://www.registered-design.service.gov.uk/find/6356329>
5. K. Sathish, "Computer-Based Iris Detection Device for Biometric Authentication," Indian Design Application ID: [Insert ID], Granted Apr. 28, 2023. [Online]. Available:  
<https://search.ipindia.gov.in/DesignApplicationStatus/>
6. K. Sathish, "Machine Learning Based Smart E-Auditor to Prevent Tax Evasion," Canada Grant ID: 1200492, Granted Mar. 2023. [Online]. Available:  
<https://search.ipindia.gov.in/DesignApplicationStatus/>
7. K. Sathish, "AI and IoT Based Efficient Management of Economical Vehicles Utilized on Sharing Basis," Grant ID: 1201546, Granted Mar. 2023.  
<https://search.ipindia.gov.in/DesignApplicationStatus/>
8. K. Sathish, "TN-Joint Pain System: Joint Pain Treatment and Notification Using IoT System," Indian Patent ID: 417440, Granted Jan. 2020. [Online]. Available:  
<https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>
9. K. Sathish, "IoT Enabled Dustbin Management System," Indian Patent Application ID: 201941038177, Published Under Processing, Jan. 2019. [Online]. Available:  
<https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

### Awards Received

SNO	Name of the Award	Organization	Received Year
1	Keynote Speaker for Conference	International Conference on Cyber security, IOT, Big Data & Information Technology	08 th June 2024
2	Dr Ambedkar's Youth for Nation Award 2023	J S University, Sheikhabad	April 2023
3	Keynote Speaker	National conference - NLCAFTET(Sambharam Institute of technology )	12 <sup>TH</sup> May 2023
4	Keynote Speaker	International conference ICGRTHE-2023 (Trinity Academy of Engineering, Pune)	30 <sup>th</sup> Sep 2023
5	Conference Keynote Speaker	International conference on innovative trends in engineering and Technology, KS COLLEGE OF Engineering & management research	28 <sup>th</sup> & 29 <sup>th</sup> July 2022
6	Best teacher Award	Tirumala Engineering College	2022
7	Administrative skills as Teaching and research Excellence on Worlds Students Day	Dr A P J abdul kalam Puruskar 2022	15th Oct 2022
8	Best Teacher of the Year	International Conference & Academic Excellence Award on	2021

		recent innovation and interdisciplinary Research 2021	
9	Best Teacher Award	International Association of research and Developed Organization	10 th Feb 2019
10	IARDO Award for Lifetime Achievement 2018	International Association of Research and Developed Organization (Gurukul Institute of Engineering and Technology, Kota)	2018

**Google citations Link:**

<https://scholar.google.co.in/citations?user=f52BELkAAAAJ&hl=en>

**FIELD OF RESEARCH:** Soft computing techniques, Machine learning with Artificial Intelligence, Internet of Things, Grid and Cloud Computing, High Performance Computing, Software Engineering and Software Architecture, Distributed Algorithms and Complex Networks

**JOURNAL REVIEWER**

- **Reviewer** for Journals: IEEE Access ,International Journal of Communication Systems, Information Sciences, Journal of Convergence Information Technology and Several International Conferences
- **Reviewer for Springer** – evolutionary intelligence techniques for humanized computing
- **Reviewer** for IGI Global Journals – International Journal of Grid and High-Performance Computing
- Acted as a **Reviewer** for 2nd International Conference on Computing, Communications and Data Engineering held on Feb 1st &2nd 2019, Sri Padmavathi Mahila Vishwavidyalaya, Tirupati
- Acted as a **Reviewer** for 1st International Conference on Technological Emerging Challenges held on Mar 15th &16th 2019, Tirumala Engineering College, Narsaraopet, Guntur (Dt)

**INTERNATIONAL/ NATIONAL CONFERENCES ORGANIZED**

- 2<sup>nd</sup> International Conference on Technological Emerging Challenges in computer science and engineering, Tirumala Engineering College, sponsored by **AICTE@4lakhs** [20,Oct 2021,21,Oct 2021]
- 1st International Conference on Technological Emerging Challenges, Tirumala Engineering College [March 15th-16th 2019]
- 1st National Conference on Innovative technologies in Engineering, Kuppam Engineering College [April 10th,11th 2017]

## **Workshops / FDPs / STTPs Attended**

- [1] Workshop on Machine Learning with Artificial Intelligence, Tirumala Engineering College, Jan. 21–22, 2019.
- [2] EICT & NITW Sponsored One Week FDP on Machine Learning, NIT Warangal at Sree Vidyanikethan Engineering College, Tirupati, Dec. 19–24, 2018.
- [3] DST Sponsored 10 Day Training Programme on Big Data Analytics, Kongu Engineering College, Erode, Jun. 6–17, 2016.
- [4] Faculty Development Programme on Advances in Service Oriented Architecture and Web Services: Issues & Challenges, Sree Vidyanikethan Engineering College, Tirupati, Mar. 1–2, 2014.
- [5] National Level Workshop on Cloud Computing in Academics and Research, JNTUACE, Pulivendula, Apr. 4–6, 2014.
- [6] National Workshop on Big Data in Life Sciences (BigLSW'14), C-DAC Bangalore and CRRAIMSCS, Dec. 15, 2014.
- [7] Faculty Development Program on Recent Trends and Research Perspectives in Data Warehousing & Mining, SVEC, Tirupati, Nov. 7–8, 2014.
- [8] National Workshop on Big Data & Analytics, Dept. of Statistics, Sri Venkateswara University, Tirupati, Nov. 27–30, 2014.
- [9] Workshop on Avoiding the Risks of Plagiarism in Research Publication, CSI & IEEE Computer Society, Madras Chapter, Chennai, May 3, 2014.
- [10] MHRD & TEQIP Sponsored FDP on Pattern Recognition and Machine Learning, NIT Calicut, Jun. 23–28, 2014.
- [11] NASSCOM Train the Trainer Programme on NASSCOM-FSIT: Technical Skills, Sree Vidyanikethan Engineering College, Tirupati, Jan. 6–8, 2014.
- [12] Workshop on Android Applications, IDS Pvt. Ltd., Bangalore at Sree Vidyanikethan Engineering College, Tirupati, Mar. 15–16, 2013.
- [13] FDP on Cyber Forensics & Network Security, Sree Vidyanikethan Engineering College, Tirupati, Dec. 27–28, 2013.
- [14] ISTE Workshop on Database Management Systems, IIT Bombay, May 21–31, 2013, at S.V.U. College of Engineering, Tirupati.
- [15] National Level FDP on Research Perspectives and Challenges in Database Security, Sree Vidyanikethan Engineering College, Tirupati, Dec. 2–3, 2013.
- [16] FDP on Knowledge Mining using SPSS Modeler & Weka, Sree Vidyanikethan Engineering College, Tirupati, Nov. 15–16, 2013.
- [17] FDP on Mobile Computing & Security Issues, Sree Vidyanikethan Engineering College, Tirupati, Nov. 8–9, 2013.

- [18] STTP on Recent Advancements and Research Directions in Software Engineering (RAISE'13), NITK Surathkal, Jun. 10–14, 2013.
- [19] National Level Seminar on Research Issues on Semantic Web Technologies, VIT University, Chennai, Feb. 22, 2013.
- [20] National Workshop on Rapid Miner: A Data Mining Tool, VIT University, Chennai Campus, Oct. 5, 2013.
- [21] Workshop on QTP: Software Testing Tool, VIT University, Vellore, Sep. 21, 2013.
- [22] FDP on Big Data: Challenges, Kakatiya Institute of Technology & Science, Warangal, Sep. 6–7, 2013.
- [23] FDP on High Performance Computing, Sree Vidyanikethan Engineering College, Tirupati, Aug. 30–31, 2013.
- [24] Workshop on Research Methodology in Computer Science, Sree Vidyanikethan Engineering College, Tirupati, Jun. 28–30, 2013.
- [25] STTP on Remote Sensing & GIS Applications in Earth Sciences, Sri Venkateswara University, Tirupati, Mar. 23–26, 2013.
- [26] FDP on Recent Trends and Research Perspective in Data Warehousing and Data Mining, Sree Vidyanikethan Engineering College, Tirupati, Mar. 30–Apr. 1, 2013.
- [27] FDP on Research Document Preparation using LATEX, Sree Vidyanikethan Engineering College, Tirupati, Jan. 18–19, 2013.
- [28] Workshop on Network Simulation using NS2, Sree Vidyanikethan Engineering College, Tirupati, Dec. 14–15, 2012.
- [29] FDP on Automation of Software Testing & Quality Assurance, Sree Vidyanikethan Engineering College, Tirupati, Dec. 19–21, 2012.
- [30] Workshop on Design and Architecture of ETL, Sree Vidyanikethan Engineering College, Tirupati, Nov. 17, 2012.
- [31] Workshop on Big Data Analytics and Quality Assurance, VIT University, Vellore, Nov. 3, 2012.
- [32] Seminar on Virtualization and Cloud Computing, Sree Vidyanikethan Engineering College, Tirupati, Oct. 19, 2012.
- [33] National Workshop on Research Methodology, Sri Venkateswara University College of Engineering, Tirupati, Sep. 29–30, 2012.
- [34] Workshop on Principles and Practices of Knowledge Discovery in Database, Anna University, Chennai, Sep. 14–15, 2012.
- [35] Seminar on Research Methodology, Coimbatore Institute of Engineering & Technology, Coimbatore, Aug. 14, 2012.

- [36] International Workshop on Research Methodology, Madanapalle Institute of Technology & Science, Madanapalle, Jun. 11–15, 2012.
- [37] Workshop on Pursuing Effective Research in Computer and Communication Engineering, Knowledge Institute of Technology, Salem, Jun. 1–2, 2012.
- [38] National Level Workshop on Software Testing and Test Automation using QTP 9.2, M.S. Ramaiah Institute of Technology, Bangalore, Feb. 9–11, 2012.
- [39] FDP on Data Mining Techniques through WEKA, Sree Vidyanikethan Engineering College, Tirupati, Dec. 9–10, 2011.
- [40] National Workshop on Research Trends in Data Mining, Madanapalle Institute of Technology and Science, Madanapalle, Oct. 14, 2011.
- [41] Workshop on Cloud Computing, Sree Vidyanikethan Engineering College, Tirupati, Sep. 9–10, 2011.
- [42] National Level Hands-on Training on Ontology and Knowledge Engineering Tools (OKET), Kongu Engineering College, Erode, Sep. 3, 2011.
- [43] National Level Workshop on Automation of Software Testing Using Win Runner, Madanapalle Institute of Technology and Science, Madanapalle, Mar. 12, 2010.
- [44] National Workshop on Business Intelligence: Tools and Techniques, NIT Warangal, Jan. 28–30, 2008.

#### ❖ My Ph.D Area of Research

### **Area: Grid and Cloud Computing**

Title: Novel Strategies for Resource Allocation and Scheduling in Grid Computing Environment

Guide: Prof. A. Rama Mohan Reddy

University: **Sri Venkateshwara University, Tirupati**

#### **Papers Published in this area: 5**

**Description:** Grid Computing has become an important field of research, which has evolved from conventional Distributed Computing and High-Performance Computing for solving large-scale problems. Scientific and business applications are very complex, and it requires massive computing power and storage space. Resource Allocation and Task Scheduling have received much attention from the research community in the Grid computing because of some desirable properties like optimum utilization of resources, improvements in minimize of waiting time, total completion time and total response time and Total Resource Cost. Numerous methods and strategies have been developed by many researchers to perform Resource Allocation to the assigned tasks in Grid Computing Environment. However, major problems still exist in the literary works are inefficiency in Resource Allocation based on economic scheduling and resource insufficiency for executing jobs

in conventional methods which degrade performance of Grid system. Hence it is proposed “Novel Strategies for Resource Allocation and Scheduling in Grid Computing Environment” to increase the performance of a Grid system with an objective of maximizing of utilization of resources and minimizing of waiting time of a job in job pool and make span.

#### ❖ Achievements / Grants / Awards

- **Grant of 4lakhs was sanctioned from AICTE for organising International Conference.**
- Grant of 10.6 Lacks was sanctioned under IIPC SCHEME.
- FDP Grant was sanctioned of Rs. 6.2 Lacks
- Best Teacher award in Kuppam Engineering College, Kuppam in the year 2014
- Best Teacher award in NBKRIST in the year 2004
- Best paper award from Willey publications
- Best reviewer award from willey publications, springer, IEEE (Nearly I have completed more than 100 paper)

#### ❖ Membership in professional Bodies

- Institution of Engineer’s (IE)
- IEEE one-year membership
- IETE
- Computer Science India (CSI)
- MIST

#### ❖ Personal Contribution towards Organization:

- Established various Laboratories in CSE Department at Kuppam Engineering college and NBKRIST
- Conducted a Faculty Development Program and national conferences.
- Conducted special classes for the benefit of students in competition exams like GATE.
- Giving training for the students in special software like R, Python.NS2, MATLAB, Visual studio 2008.
- Developing and implementing projects for the benefit of UG and PG Students in the innovative areas Like Cloud and Green Computing, IOT.

#### ❖ Extra Activities

- Coordinator for National conference
- Placement cell in charge
- Administrative Works
- NAAC Coordinator
- NBA Coordinator

- Examination cell in charge
- Maintaining Large –scale Computer Networks
- Live projects [S.V. University]
- Maintaining Web servers

#### ❖ Core IT Skills

- Well experienced in planning, installation, configuration, maintenance and troubleshooting of IT network infrastructure. Has thorough knowledge of internet connectivity and implementation. Adept at analyzing information system needs, evaluating end-user requirements, custom designing solution, troubleshooting complex information systems management. An effective communicator with exceptional relationship management skills.

#### **DESIGN, DEPLOY, MONITOR AND SUPPORT**

- Directory Services: Active Directory on windows 2010 /Windows 2008 /Windows 2003
- Systems Management: Ghost, Enterprise, Imaging, Backup and Restoration, Symantec live state
- Security Solution: ISA 2006, Enterprise Anti-Spam and Content Filtering (Surf control, GFI)
- Databases: SQL Server 2005/2008.

#### ❖ Core Competencies

#### **INFRASTRUCTURE MANAGEMENT**

- Mapping the organization's IT requirement and spearhead decisions regarding establishment of the infrastructure including procurement of hardware and software.
- Responsible for handling the IT operation & overall management of IT infrastructure at the organization as well as at the client's end.

#### **IT OPERATIONS MANAGEMENT**

- Installing workstations, servers, Server Administration, network services and Peripherals
- Providing support for network applications and maintaining optimum desktop Environment.
- Responsible for internet connectivity and security.
- Maintaining the Network Infrastructure, migration and Configuration of Network client workstations, Manage Local and Domain wide groups.
- Installing and maintaining network and data communication hardware and software Environment.
- Installing, configuring and supporting enterprise antivirus systems from Symantec, Trend Micro and MacAfee.
- Back up (disk and tape based) for the sites and ensuring scheduled /unscheduled Backups

#### **TECHNICAL SUPPORT /TROUBLESHOOTING**

- Addressing performance bottlenecks and ensuring maximum network uptime.
- Assisting in troubleshooting network problems software (OS) problems and finding working solutions.

#### ❖ TECHNICAL AREAS

##### ⇨ RESPONSIBLE FOR INSTALLING:

- Windows network with windows 2003/2008/NT servers
- Windows 2010 Workstations
- Windows 9x clients (various brands)
- Microsoft Server products: Windows 2003/2008, IIS, MS ISA 2000/ 2004/2006

#### ❖ Details of Academic Projects guided

UG	34
PG	15
Ph.D-Guiding	2

#### ❖ Persona Details

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