CURRICULUM VITAE

NAME: Dr SHREENATH ACHARYA

DESIGNATION: PROFESSOR & HOD

OVERVIEW (IMPACT STATEMENT):
An academician with over 25 years of teaching experience having a blend of knowledge in computers, electrical and electronics fields. Actively involved in the activities of transforming engineering education through technology.

QUALIFICATION: B.E., M.TECH, PHD

INDUSTRY EXPERIENCE: 2.5 years

EMAIL: shreenatha@sjec.ac.in, shree.katapady@gmail.com

DEGREE: Bachelor of Engineering, Mysore University, 1995

PG DEGREE: Master of Technology, VTU, 2008

DOCTORAL DEGREE: 2021

TEACHING EXPERIENCE: 25 years

RESEARCH EXPERIENCE: 11 years

SPECIALIZATION PHD : Cloud Computing – Energy Efficiency, Resource Provisioning

SPECIALIZATION PG : Computer Science & Engineering

SUBJECTS TEACHING AT UNDERGRADUATE LEVEL: Data Structures with C, OOPS with C++, Java & J2EE, Advanced Java & J2EE, Computer Networks, Computer Organization & Architecture, Software Engineering, Big Data Analytics, Storage Area Networks, Logic design, Microprocessors, C Programming for Problem Solving, Cloud Computing, Client Server Computing, Python Programming, Web Programming, Business Intelligence

SUBJECTS TEACHING AT POSTGRADUATE LEVEL: Managing Big Data, Enterprise Application Programming, Advance Storage Area Networks, Cloud Computing, Advanced Computer Networks

TECHNICAL INTEREST: Cloud Computing, Data Science/Big Data Analytics, Artificial Intelligence & Machine Learning, Networks & Security

SKILL SET: C, C++, Java, DBMS, Python

CURRICULUM VITAE

INTERNATIONAL JOURNALS:

1. "Energy and Cost Efficient Dynamic Load Balancing Mechanism for Resource Provisioning in Cloud", International Journal of Applied Engineering Research, Research India Publications, Vol. 12, Number 24, pp. 15782- 15790, 2017 (Scopus indexed)

2. "Application Aware Energy and Cost Efficient Resource Provisioning in Cloud", International Journal of Engineering & Technology, Science Publishing Corporation (SPC), Vol. 7, No. 4, pp. 3530- 3537, 2018 (Scopus indexed)

3. "Energy Saving VM Placement in Cloud", International journal of Modern Education & Computer Science (IJMECS), MECS Publishers, Vol.10, No. 12, pp. 28-35, 2018 (IET Inspec indexed)

4. "Broker-based mechanism for cloud provider selection", International Journal of Computational Science and Engineering, Inderscience Publishers (IEL), Volume 22, Issue 1, Pages 50-61, 2020 (Scopus indexed)

5. "Communication-Aware Virtual Machine Placement in Cloud", Advances in Electrical and Computer Technologies, Pages 1031-1042, Springer, Singapore, 2020 (Scopus indexed)

6. "Enhanced Learning and Improved Productivity of Students' using Project Based Learning Approaches for Programming Courses" Journal of Engineering Education Transformations (JEET), Volume: 34, Issue: Special Issue, Pages: 524-530, 2020, DOI: 10.16920/jeet/2021/v34i0/157205 (Scopus Indexed)

7. "Discovery of Students' Academic Patterns using Data Mining Techniques", International Journal on Computer Science and Engineering (IJCSE), Volume 4, Issue 6, Pages 1054-1062, Engg. Journals Publications, 2012

8. "Implementing Digital Signature based Secured Card System for Online Transactions", International Journal of Computer Applications (IJCA), Volume 65: Number 24, pp. 27-32, 2013, DOI: 10.5120/11234-6521. Published by Foundations of Computer Science USA ,Impact factor (2012): 0.833. ISBN: 973-93-80873-84-0

9. "Smart Mailing System for Secure Transmissions", International Journal of Computer Applications (IJCA), Volume 96 : Number 22, pp. 28-33, June 2014, DOI: 10.5120/16928-7033. Published by Foundations of Computer Science USA, Impact factor (2013): 0.784 ISBN: 973-93-80882-42-4

10. "Fatigue Detection Alarm System", Available as Book Series in Search Digital Library from IDES (Institute of Doctors, Engineers & Scientists) publishers in Vol. 4 with title Advanced Research in Engineering & technology (AET), pp:98-105 ISSN: 2214-0344

11. "Implementing Digital Signature based Secured Card System for Online Transactions", International Journal of Computer Applications (IJCA), Volume 65: Number 24, pp. 27-32, 2013, DOI: 10.5120/11234-6521. Published by Foundations of Computer Science USA, Impact factor (2012): 0.833. ISBN: 973-93-80873-84-0

12. "Smart Mailing System for Secure Transmissions", International Journal of Computer

Applications (IJCA), Volume 96 : Number 22, pp. 28-33, June 2014, DOI: 10.5120/16928-7033. Published by Foundations of Computer Science USA, Impact factor (2013): 0.784 ISBN: 973-93-80882-42-4

13. "Dynamic Malware Analysis and Detection in Virtual Environment", International Journal of Modern Education and Computer Science(IJMECS), Vol.9, No.3, pp.48-55, 2017.DOI: 10.5815/ijmecs.2017.03.06 (IET Inspec indexed)

14. "Secure Cloud Data Sharing by Aggregation of Keys into a Single Decryption Key", International Journal of Research in Engineering and Technology (IJRET),Volume: 05 Issue: 07,pp. 39-43, ISSN: 2319-1163, DOI: 10.15623/ijret.2016.0507008, July 2016(ISO 9001-2208 Certified Organization)

15. "VM Provisioning through Autonomic Broker", International Journal of Engineering Research in Computer Science & Engineering (IJERCSE) from IFERP publications (Institute of Engineering Research & Publications Explorer), Vol. 1, Issue. 1, pp: 33-36, ISSN 2394-2320, DOI: IJERCSE-IFERP-DOI-107,Nov. 2014

16. "A Review of Secure Cloud Data Sharing Methods", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol. No 2, Special Issue 5, ISSN: 2394-3785, ISO 3297:2007, May2015

PAPERS PRESENTED IN NATIONAL CONFERENCE:
"Guidelines for Implementing Dublin Core in XML", Proceedings of the National conference on Recent Trends in Emerging Technologies, Organized by NMAM Institute of Technology, Nitte 2008.

PAPERS PRESENTED IN INTERNATIONAL CONFERENCE:

1. "Enhancing Communication through Speech to Sign Language Converter," 2023 IEEE North Karnataka Subsection Flagship International Conference (NKCon), Belagavi, India, 2023, pp. 1-5, doi: 10.1109/NKCon59507.2023.10396131 (IEEE Explorer)

2. "Enhanced Vehicle Plate Identification using YOLO," 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 148-152, doi: 10.1109/ICACRS55517.2022.1002922 (IEEE Explorer)

3. "Enhanced Performance and Data Security using Elliptic Curve Cryptography in Cloud Environment," 2021 International Conference on Computational Performance Evaluation (ComPE), Shillong, India, 2021, pp. 869-873, doi: 10.1109/ComPE53109.2021.9751865. (Scopus Indexed)

4. "Hybrid Algorithm for Naive Bayes based Credit Card Fraud Detection", International Conference on Machine Intelligence and Data Science Applications (MIDAS 2020), September 2020, Springer (Best Paper Award) (Scopusindexed)

5. "Cloud Computing Architectures and Dynamic Resource Provisioning Mechanisms", IEEE International Conference on Green Computing, Communication and Conservation Energy, ICGCE 2013, pp. 800-806, ISBN: 978-1-4673-6126-2 (IEEE Explorer – Scopus

indexed))

6. "A Taxonomy of Live Virtual Machine (VM) Migration Mechanisms in Cloud Computing Environment", IEEE International Conference on Green Computing, Communication and Conservation Energy, ICGCE 2013, pp. 811-817, ISBN: 978-1-4673-6126-2 (IEEE Explorer – Scopus indexed)

7. "Enhanced Dynamic Load Balancing Algorithm for Resource Provisioning in Cloud", IEEE International Conference on Inventive Computation Technologies, ICICT 2016, ISBN: 978-1-5090-1285-5 (IEEE Explorer –Scopus indexed)

8. "Analysis & Prediction of Application Usage in Android Phones", IEEE International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB16), ISBN: 978-1-4673-9745-2, DOI: 10.1109/AEEICB.2016.7538346, Feb. 2016 (IEEE Explorer – Scopus indexed)

9. "Multikeyword based sorted querying over encrypted cloud data", IEEE Intenational Conference on Futuristic Trends in Computational Analysis and Knowledge Management (INBUSH-ERA 2015), pp: 23 -27, ISBN: 978-1- 4799-8432-9, DOI: 10.1109/ABLAZE.2015.7154961, Noida, 2015 (IEEE Explorer – Scopus indexed)

10. "A Comparative Study on Homomorphic Encryption Schemes in Cloud Computing",3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), ISBN:978-1-5386-2441- 8, DOI: 10.1109/RTEICT42901.2018.9012261, 2018 (IEEE Explorer)

11. "Comparative Study on Credit Card Fraud Detection Mechanism", 4th IEEE International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT 2019), 978-1-7281-0630-4, 2019

12. "Fatigue Detection Alarm System", Proceedings of ACEEE International Conference on Multimedia Processing, Communications and Information Technology (MPCIT) held at JNNCE, Shimoga, Dec 2013

13. "A Review of Secure Cloud Data Sharing Methods", Proceedings of the 2nd International Conference on Advances in Computer & Communication Engineering (ACCE - 2015), pp: 96-99, Bangalore, May 2015

14. "A Survey paper on Meta Element Restriction on Encrypted Data in Cloud Computing ", Proceedings of the 2nd International Conference on Advances in Computer & Communication Engineering (ACCE - 2015), pp: 35-38, Bangalore, May 2015

15. "VM Provisioning through Autonomic Broker", Proceedings of the International Conference on Emerging Trends in Engineering & Technology (ICET – 14), organized by Technoarete, ISBN: 978-8-1929-5803-3,10th Aug 2014, Hyderabad

WORKSHOPS ATTENDED: 30 +

WORKSHOP/SEMINAR/CONFERENCE/SYMPOSIUM ORGANIZED: 15

WORKSHOPS/SEMINARS CONDUCTED AS RESOURCE PERSON: 05

CURRICULUM VITAE

NUMBER OF ACADEMIC PROJECTS GUIDED (UG): 30+

NUMBER OF ACADEMIC PROJECTS GUIDED (PG): 10

RESEARCH GUIDANCE: 2 (ONGOING)

AWARDS AND ACHIEVEMENTS:
- NPTEL Topper in the subject Programming in Java
- Best Paper Award in Springer International Conference
- Reviewer for reputed International Journals/Conferences
- Infosys Bronze medal partner
- IUCEE Certified Educator
- NPTEL Discipline Star

DETAILS OF MEMBERSHIP IN PROFESSIONAL BODIES: ISTE, IAENG

DETAILS OF MEMBERSHIP IN ACADEMIC BODIES: Member of IQAC, Academic Council, BOS/BOE – CSE, BOS/BOE chair – ICBS department SJEC

ADMINISTRATIVE RESPONSIBILITIES:
- HOD - ISE
- HOD – ICBS (AIML, CSBS and CSE(Data Science)

DETAILS OF INTERACTION WITH OUTSIDE WORLD:
- Reviewer for reputed Scopus/WoS indexed International Journals/Conferences - IEEE Transactions on Cloud Computing, IEEE Access, China Communications, Journal of Engineering Education & Transformations, Cogent Engineering, Cybernetics and Systems, Inderscience Journal of Computational Vision and Robotics
- Delivered talks on technical topics
- Evaluator for IIEECP Program
- BOE – CSE Dept, NMAMIT Nitte, St Agnes PG Program - M.Sc Big Data Analytics
- Doctoral Committee Member Srinivas University, VTU, Nitte University
- BOS - St. John College of Engineering and Management (SJCEM), Maharashtra
- BOS – Visvesvaraya Technological University (VTU) CSE/ISE Board

DETAILS OF INTERACTIONS WITH THE INDUSTRY: Infosys Campus Connect Faculty, Tata Consultancy Services (TCS)

INTERESTS/HOBBIES: Reading Books, Playing Cricket, Volleyball, Badminton, Swimming, Singing, and Travelling.

OTHER RELATED INFO: https://tinyurl.com/ShreePersonalPage

Shreenath Acharya