

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

KNOWLEDGE ASSET 2022-23

Name: A. Srinivasa Rao
Designation: Assistant Professor
Department: Computer Science & Engineering – (AIML & IoT)
Mail ID: srinivasarao_a@vnrvjiet.in



Experience (in years): Teaching: 8.5
AICTE ID:

Research:
DoB: 12/07/1990

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D.		
2.	M.TECH	2014	CSE
3.	B.TECH	2011	CSE

2. Teaching and Learning:

2.1. Teaching Interests:

Artificial Intelligence, Machine Learning, Information Retrieval Systems, Data Science, Data Structures, Design and Analysis of Algorithms, Object Oriented Programming, Database Management System, Data Analytics, Cloud Computing, Operating System, Design Thinking, Problem Solving Through Programming, Compiler Design.

2.2. Novel Teaching & Learning Techniques adopted:

- Learning by Doing
- MOOCS
- WIT and WIL
- NPTEL
- Active learning (Videos, PPT etc.)
- Developing Digital Content

2.3. Involvement in curriculum updating / Design:

- Acting as BOS member at VNRVJIET, Hyderabad.
- Worked as academic course co-ordinator for the courses Data Structures (2021-22) , Data Structures and Algorithms(2020-21) and C programming (2019-2020) in KL University,

Vijayawada

- Acted as BOS member at KL University, Vijayawada.

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading books to enhance skills.

3.2. CCA/ECA Organized:

- Member of organizing committee in 12th Inspire Camp-2019, Department of Science & Technology, Government of India in association with KL University, Vijayawada.

3.3. CCA/ECA participated:

- Participated in Smart Village Revolution Project -2019 organized by MHRD, Government of India in association with KL University, Vijayawada.
- Smart India Hackathon -2022.
- Paper setting / evaluation of academic examinations.
- Mini and Main Project Coordinator

3.4. Counseling and Mentoring Activity: Mentoring 20 Students

3.5. Committees involved in:

- Department level: BoS, NBA (UG & PG), NAAC
- Member of various events and committees organized.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1. Conducted:

- Program co-Ordinator for the seminar on “Dynamics of Algorithms” at VNRVJIET.

4.2 Attended:

- Participated in the Professional Development Programme on “Instructional Design and Delivery System” Conducted by this Institute from 05/12/2022 to 10/12/2022.
- Entrepreneurship Development Programme, Sponsored by DST, Government of India.
- Faculty Development Program on AI and Deep Learning – APSSDC, Skill AP.
- Data Science Using Spark R, organized by the E & ICT, NIT Warangal.
- Embedded Systems, Smart Sensors for IOT Applications, organized by the E & ICT, NIT Warangal.
- Industrial Internet of Things, Organized by Department of Electronics and Computer Engineering in association with Axelta Systems Pvt. Ltd.

- Faculty Skill Enhancement Programme, Organized by Academic Staff College, KLEF.
- Essential of Formal Communication Skills, Organized by Academic Staff College, KLEF.
- Innovative mechanisms & standards for Assuring Quality in Higher Education Institutions (IAQHEI)”

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: --

5.2. Articles / Chapters published in Books: --

5.3. Books published as single author or as editor: --

5.4. Projects Guided: Yes

5.5. Research Interests: Machine learning, Deep Learning, and Neural Networks.

5.6. Ph.D. students:

a) Enrolled: --

b) Submitted: --

c) Awarded: --

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Machine Learning Techniques for Thyroid Disease Diagnosis: A Systematic Review	Springer	Print ISBN978-3-030-38444-9	12	International
2	Fuzzy rule based intelligent system for user authentication based on user behavior	Journal of Discrete Mathematical Sciences and Cryptography	ISSN: 0972-0529 (Print) 2169-006	14	International
3	Diagnosis of Coronary Artery Diseases using Classification Algorithms based on Wavelet Transforms	IJITEE	ISSN: 2278-3075, Volume-8 Issue-9, July 2019	2	International
4	Development of Expert System for Bone Cancer detection	IJAST	ISSN: 2005-4238 IJAST	2	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Fuzzy rule based intelligent system for user authentication based on user behavior	SUSCOM-2020	International	3 Days
2	An Early Detection of Breast Cancer Using Hybrid Ensemble Classifier	I-SMAC (IoT in Social, Mobile, Analytics and Cloud) I-SMAC 2021	International	3 Days

5.9. Sponsored research Projects: NIL

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: NIL

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6. Awards / Honors received:

1. Qualified NTA UGC-NET-2019
2. Qualified APSET – 2017
3. Received Gold medal in SSC-2005.
4. Code chef – 3 * rating 2019.
5. Hacker Earth – Badges
6. Hacker Rank – 6 * rating

7. Certifications:

Coursera:

- Computational Thinking and Design
- C For Everyone
- Programming for everybody
- Introduction to Machine Learning
- Python Data Structures
- Python Basics
- Data Science math Skills

- Coursera Master Class: The Art and Science of Teaching Online

HackerRank:

- Java Basic
- Python Basic

Udemy:

- Learn Microsoft Excel
- Learn Microsoft Word
- Learn Microsoft PowerPoint
- Machine Learning A-Z™ : Hands-on Python & R in Data Science
- Formal Language and Automata Theory

LinkedIn:

- Learning Excel

NPTEL:

- Problem Solving Through Programming in C – ELITE (Silver Badge)

Design Thinking:

- Completion of the Design Thinking Course Presented by Prof. William Oakes from Purdue, University, USA. Awarded this 27 day of July, 2020

Membership:

- SDIWC: 31815
- IAENG: 242057.

7. Motto: Teach to contribute to build a better Society and Nation.