Dr. A Srinivas

Professor and Head

Qualification:

- Doctor of Philosophy (Ph.D), Electrical Engineering, Indian Institute of Technology(IIT), Madras.
- Master of Engineering (M.E.,), P.S.G. College of Technology, Coimbatore, India.
- Bachelor of Engineering (B.E.,), Electrical Engineering, Bangalore University.
- Graduate Certificate in Higher Education, Monash University, Australia.

Experience

Academic:

- Dean, School of Engineering and Professor of Computer Science, Dayananda Sagar University, Bangalore: January 2017 - September 2022
- Department of Electronics & Communication Engineering, PES Institute of Technology, Bangalore
    - Prof. & Head of the ECE Dept (2011-13), Professor, June 2011
    - Dean of Research and Consultancy, PES Institute of Technology, Bangalore from 2009 – 2017
- Professor, Department of Computer Science and Engineering, PES Institute of Technology, Bangalore, February 2007 – May 2011
- Professor and Head, Department of Computer Science and Engineering, Amrita School of Engineering, Bangalore, July 2005 – January 2007
- School of Computing and Information Technology, Monash University, Australia, from 2002-05
- Lecturer, Department of Electrical Engg, NIT, Surathkal (1995-97)

Industry and R&D

- Nortel Networks Technology Centre, Wollongong, Australia, 2000-2002
    - Development of Network Commissioning Manager for 2.5G Networks
- Dante Telecommunications Solutions, Sydney, Australia, 1999-2000
    - Development of a Test Bed for Access Modules
- Philips Software Centre, Bangalore, India , 1997-99
    - Design and Development of Digital Television Modules
    - Test Bed for DTV
    - Was a core member of the "Champion Coordinators' Team (CCT)" to define strategies at the company level"
- Centre for Artificial Intelligence and Robotics, Defence Research and
    - Development Organization (DRDO), Bangalore , 1992-95
    - Design and Development of Control Law (CLAW) for the Indian Light Combat Aircraft (Thejas).
    - Worked with Indian Airforce Pilots to validate the Control Law on the Real Time Flight Simulator at the Aeronautical Development Agency (ADA).

- Tata Consulting Engineers, Bangalore, India , 1990-92
  Design and Development of a Load Dispatch Centre Training Simulator for Tata Steel, Jamshedpur.

Courses Taught:

Wireless Communications, Mobile Communications, Computer Networks, Data Structures, Optical Networks, Protocol Engineering, Embedded Systems, Basic Electronics, Computer Organization, Research Methodology

Areas of Research:

Adhoc and Sensor Networks, Quality of Service in Communication Networks, 4G/LTE Networks, Machine Intelligence, Healthcare Informatics

MS/Ph.D Research Supervision:
- Co-Supervisor "Advance Reservation in Networks", Ph.D, Monash University, Australia
  - Co- Supervisor, "Technology Deployment Model for Rural Applications",
- M.S(By Research), Monash University, Australia
- Co-Supervisor, "Hospital Workflow Management", PESIT-Maastricht University(Netherlands) Collaboration (Ph.D)

Research Lab Coordination Leadership:

Microsoft Mobile Innovation Lab, PES University (2011 to 2017))
- Regular projects for undergraduate students to bring in Research Culture
- Project-based Summer Internship for around 45 students
- #Code : The 24-Hour Hackathon for colleges of Karnataka
- INCITO: Ideation Camp for PES University Students
- CSR Activity: Conduction of Hands-on Workshops for Remotely located colleges

Key Publications

https://scholar.google.com/citations?view_op=list_works&hl=en&user=kpxN5cYAAAAJ

Research Grants (Rs. 1.3 Crores):
- Nokia Technology Center, Bangalore, "4-Stage Academic & Research Program",
- NRDMS, Dept of Science and Technology (DST**), "**Geospatial Governance and
- Information Communication Technology for Disease Mapping, E – Surveillance and Health Care among School Children in a Rural Area of
- South India", 2015
- PESIT – Microsoft Mobile Innovation Lab, 2011
- VTU : 'Ontologies in Clinical Pathways for Diabetes Management', 2011-12
- Intel Technologies Pvt. Ltd : "Development of a Generic Sensor Platform for Rural Applications", 2010
- Intel Technologies Pvt. Ltd : "Embedded Systems Curriculum Migration using ATOM Processor", 2010
- Maastricht University (Netherlands)-PESIT Collaborative Ph.D, " Hospital Workflow Management and Patient Tracking", 2010-2016.
- Old Dominion University, USA, "Sensor Networks Related Activity", 2007-2013
- SAP Labs(India), "Data Mining Techniques for Rural Health Management and Disease Prevention", 2008-2009.