



SANJIVI ARUL,
Assistant Professor

Official Address

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Education

B.E. (Mechanical Engineering) Coimbatore Institute of Technology, Coimbatore
M.S. (Systems and Information) Birla Institute of Technology, Pilani
Ph.D. (Currently doing) Amrita Vishwa Vidyapeetham, Coimbatore
(Welding Automation)

Experience

Lecturer (1987 to 1996) Tamil Nadu College of Engineering, Coimbatore
Senior Lecturer (1997 to 2004) Amrita Viswhavidyapeetham, Ettimadai
Asst. Professor (2004 till date) Amrita Viswhavidyapeetham, Ettimadai

Subjects Taught

(UG) Industrial Robotics
Industrial Automation
Mechatronics
Fluid Power Drives and Control
Instrumentation and Control Systems
Power Plant Engineering
Power Plant Instrumentation
Operations Research
Computer Graphics and Visualisation
Machine Drawing
CAD/CAM
Automobile Engineering
Non-Traditional Machining
(PG) Robotics
Lean Manufacturing

Areas of Interest

Robotics, Automation, Welding

Publications “Online Teaching”, University News, Vol 39 No3, Pg 12-17

Research:

1. Co-Investigator in the Joint Research Project “Autonomous Mobile Robots based on Bio-inspired Artificial Control” selected under the Indo-Italian POC in S&T 2005-2007, DST
2. Internally funded project to develop Plantar Reflex Simulator to aid teaching and demonstration to medical students.
3. Co-Investigator in an internally funded research project “Study of Engine Manifold Pressure”

Achievements:

- ✓ A project on mobile robot has been awarded first place by Tamilnadu State Council for Science and Technology on a state level selection during 11th and 12th August 2006
- ✓ 6-axis Multipurpose Robot has been selected as the second best project in the state by Director of Technical Education, Tamilnadu.(1990-1991)
- ✓ Low cost 5-axis Robot Selected as the best at National Design Contest, during the ISTE annual convention held at Regional Engineering College, Suratkal. (1995)

Projects Guided

1. Mobile Robotics – ATIRS - All Terrain Intelligent Robotic System – April 2006
2. Design and Fabrication of an Automatic Positioning System for Stereotactic Neurosurgery –April 2006
3. Design, Simulation, Analysis and Fabrication of a Parallel Kinematic Machine – April 2005
4. Design and fabrication of a 5-axes low cost articulated robot – March 2004
5. Die Design for die casting & Automated Inspection System – April 2004
6. Design of manipulator- Pick and Place Automation for Auto-25 Machine – Bowl Machining – March 2003
7. Design & fabrication of an Automated Material Handling System for CNC Machines- March 2003
8. Project Management Information system – April 2002
9. Design and Fabrication of SPM for ¼’ FRC and FRL Housing Reaming and Tapping – April 2002
10. Optimization and Automation of Filter Regulator- Lubricator Assembly Line – April – 2001

11. Increasing the Productivity of an Automatic Line and conveyor System – April 1999
12. Computer Aided Fixture Design('99-'00)('00-'01) – Software
13. Increasing the productivity of an Automatic Line and Conveyor Design('98-'99)

11. Membership of Scientific and Professional Societies:

- ISTE, Life Member
- IE, Life Member
- IE, Chartered Engineer(India)