Faculty Profile

Basic Information:



NAME	:	**Dr. N. Sivarami Reddy**
DESIGNATION	:	**Professor , Dean - R&D & Dean - Innovation and Incubation**
DEPARTMENT	:	**Mechanical Engineering**
DATE OF BIRTH	:	**01/06/1966**
DATE OF JOINING	:	**22/11/1999**
EMAIL ID	:	**nsrr@aitsrajampet.ac.in**

Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D	Jawaharlal Nehru Technological University, Anantapur	2019
M.Tech.	National Institute of Technology Karnataka, Surathkal	1992
B.E	Andhra University, Vizag	1989

Research Details:

1. Areas of Specialization	:	Manufacturing, Flexible Manufacturing Systems, Scheduling and soft computing
2. No. of Publications	:	34
3. Awards Received	:	02
4. Research Guidance		
	No. of PhD Guided:	03 (ongoing)
	No. of M.Tech. Guided:	02
	No. of B.Tech. Guided:	25
5. Details of Professional Membership:		SAE
6. Subjects Taught	:	1. Engineering Mechanics, 2. Mechanics of Solids, 3. Kinematics of Machinery, 4. Computer Numerical Controls, 5. Production Technology, 6. Advanced Machine Tools, 7. Operations Research,

	8. Fluid Mechanics and Hydraulic machines, 9. Data Structures through C, 10. Operating Systems, 11. Computer Networks, 12. Systems Programming, 13. Distributed Systems, 14. Unix Programming, 15. Advanced data Structures, 16. OOPs through C++

Publication Details:

Title	Publisher	Published Year
1. Integrated scheduling of machines, AGVs and tools in multi-machine FMS using crow search algorithm	International Journal of Computer Integrated Manufacturing	2019
2. Simultaneous scheduling of machines and tools in a multi machine FMS with alternative routing using symbiotic organisms search algorithm	Journal of Engg. Research	2021
3. Practical simultaneous scheduling of machines, AGVs, tool transporter and tools in a multimachine FMS using symbiotic organisms search algorithm" International Journal of Computer Integrated Manufacturing	International Journal of Computer Integrated Manufacturing	2021
4. Minimizing the total completion time on a multi-machine FMS using flower pollination algorithm	Soft Computing	2022
5. Optimum scheduling of machines, automated guided vehicles and tools without tool delay in a multi-machine flexible manufacturing system using symbiotic organisms search algorithm	Concurrency and Computation: Practice and Experience	2022
6. Development of scheduling methodology in a multi-machine flexible manufacturing system without tool delay employing flower pollination algorithm	Engineering Applications of Artificial Intelligence	2022
7. Integrated simultaneous scheduling of machines, automated guided vehicles and tools in multi machine flexible manufacturing system using symbiotic organisms search algorithm	Journal of Industrial and Production Engineering	2022
8. Optimum Scheduling of a Multi-Machine Flexible Manufacturing System Considering Job and Tool Transfer Times without Tool Delay	*Mathematics*	2023

9. Pragmatic simultaneous scheduling of machines, AGVs, tool transporter and tools in a multi machine FMS using flower pollination algorithm	European Journal of Industrial Engineering	2024

Patent Details:

Title of Patent	Submitted/Published/Awarded
1. Agriculture drone for monitoring and spraying pesticides	Awarded
2. Method for simultaneous scheduling in multi-machine flexible manufacturing system to minimize makespan	Published
3. Driver performance scoring smart system and safety-warning with Accident proneness filtering using Machine Learning	Published
4. Iot based vehicle monitoring technology using beagle bone kit	Published