SRI SAI RAM ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

Name: DR.K.VENKATARAMAN	
Designation:	ASSOCIATE PROFESSOR
Qualification: M.E., PH.D	
Area of Specialization: MANUFACTURING	
Experience: 33 YEARS	Teaching 23 YEARS
	Industry 10 YEARS
Number of Workshops/ Conferences/ FDP Attended:	WORSHOP- 28 NATIONAL/INT. CONFERENCE- 18
Publication:	Journal: **National 10** **International 12**
	Conference: **National: 10** **International: 12**
General:	
Staff Achievement	CONSULTANCY/ TRAINING INDUSTRIAL SENIOR EXECUTIVES,

ACADEMIC BACKGROUND

Course	Institution	Year of Passing	Board/University	Percentage of marks (%)
Ph.D Lean Production System	VELS Institute of Science of Technology, Pallavaram, Chennai -44	2017	VELS University	Not Applicable
M.E Manufacturing	FCRCE, Mumbai	2003	MumbaiUniversity	62.0%
B.E (Production & Industrial Engg.,)	NIT(Formerly Regional Engineering College) Allahabad	1988	Allahabad University	67.00%
Higher Secondary	BHHSC, Teppakulam, Trichirapalli	1983	State board	83.3%
S.S.L.C	BHHSC, Teppakulam, Trichirapalli	1981	State board	87%

Professional Experience: (Industry)

Sl. No	Organization	Designation	Period From	To	Total period	Nature of work
1	Axis Computers (India) Pvt.Ltd., New Delhi	CAD En Trainee,	1988	1989	1 YEAR	Drg.conv
2.	Desein indure group of companies (New Delhi)	R & D Enginee	1989	1991	2 years	R & D
3.	Rane Trw group of companies, Trichy	Supdt.	1991	1996	5 years	Mfg.
4.	PAL – PEUGEOT, Mumbai	officer	1996	1997	1 year	Quality

Academic:

Sl. No	Organization	Designation	Period From To	Total period	Nature of work
1	Sri Sai Ram Engineering College, Chennai	Associate Profess	2009 till now	9 YEARs	academic
2.	NMIMS UNIVERSITY, MUMBAI	Assistant Professo	2007 - 2009	2 years	academic
3.	SNDT Univ. Mumbai	Lecturer	1997 2007	10 years	Teaching/aca

International Conferences Attended: 18

Papers published in the international conferences : 15

Short Term Course (Refresher courses) Attended: 22

Faculty/Staff Development /Training Program (Orientation programmes) Attended: 18

Resource person In FDP: 25

Workshops Attended: 20

Events organized: 19

Funded Projects: 3

PROJECTS FROM INDUSTRY FUNDED BY CII FOR INDUSTRY EXECUTIVES TO JOINTLY SUPERVISE THE PROJECTS

Details of FDP attended:

1.	Sustainable Institute Industry Partnership& SIIP Awards 2015	IIT Madras	03.07.2015 to 04.07.2015	2days
2.	ENGINEERING Graphics	University college of engineering	06.06.2016 to 12.06.2016	7days
3.	Automotive Technology	Goodwin Motors, Sri Sairam Engineering College, Chennai	12.09.2017 to 13.07.2017	2
4.	Electric Vehicles	Atal Academy online AICTE	02.11.20 to 06.11.20	5
5.	3 D printing Design	Atal Academy online AICTE	19.10.20 to 23.10.20	5

List of publications in international journals:

1. Venkataraman.K, Vijayaramnath B, " Design Optimization of an Automotive component in Product development" International Journal of Engineering and Advanced Technology, ISSN 2249 – 8958, Volume 9, Issue1, Oct 2019

2. Venkataraman, B.Vijaya Ramnath, V.Muthu Kumar, C.Elanchezhian, "Application of Value Stream Mapping for Reduction of Cycle Time in a Machining Process", Procedia Materials Science 6 (2014) 1187 – 1196. Science Direct, Elsevier Publications.

3. K. Venkataraman, Dr. B. Vijayaramnath, Kannappan.S," Comparative Analysis of AHP and ANP Model for Lean Production System Justification", Applied Mechanics and Materials Vol. 591 (2014) pp 197-201, © (2014) Trans Tech Publications, Switzerland.

4. K.Venkataraman, B.Vijaya Ramnath, R.Sarvesh,C.Rohit Prasanna, " Selection of Manufacturing Method using Artificial Neural Network", Applied Mechanics and Materials Vols 766-767 (2015) pp 1201-1206 Submitted: 2015-01-21, © (2015) Trans Tech Publications, Switzerland.

5. Ramnath, B.V., Venkatraman, K., Venkatram, Maheshwaran, M., Dinesh, N. "Powered two-wheeler with integrated safety using recurdyn multi-body dynamics" Applied Mechanics and Materials, 2014, Scopus indexed.

6. B. Vijaya Ramnath, Vishal Chandrasekhar, C.Elanchezhian, Vinoth SelvaBruce.L, K. Venkataraman, " Value stream evaluation and simulation to improve material flow and productivity", Applied Mechanics and Materials Vol. 612 (2014) pp 89-95, ©

(2014) Trans Tech Publications, Switzerland

7. Vinoth Selva Bruce L, K. Venkataraman, B.Vijaya Ramnath," Application ofAnalytic Network Process in Lean Production System Justification", International Journal of Engineering Research, Volume No.3 Issue No: Special 1, pp: 144-147. ISSN:2319-6890)(online),2347-5013(print), 22nd March 2014.

8. B.Vijaya Ramnath, C.Suresh Kumar, G. Riyaz Mohamed, K. Venkataraman, C. Elanchezhian, "Analysis of Occupational Safety and Health of Workers by Implementing Ergonomic Based Kitting Assembly System." Procedia Engineering97 (2014) 1788 – 1797, ScienceDirect, Elsevier Publications.

9. Venkataraman.K, Vijaya Ramnath.B, Jaya Kumar.K, "implementation of MCDM in lean manufacturing using value stream mapping and anova table in automotive industry". Impact International Journal of Advance Research, Vol.7, Issue 1, October 2015.

10. Yogesh, M., Ramachandran, C., Venkatraman, K., Kalaiselvi, V. "LA VIENREGISTRER", Proceedings of the 2017, 2nd International Conference on Computing and Communications Technologies, ICCCT 2017, Scopus indexed.

11. Venkataraman.K T.V. Sivaramakrishnan, "Implementation of MCDM model in Lean Manufacturing using Grey Relational Analysis in Automotive Industry". International Journal of Engineering and technology.

12. K. Venkataraman , B. Vijayaramnath, "Model to build cost competitiveness through material productivity", IOP conference series: Material science and Engineering.

Research Papers Published in International Conference Proceedings

1. Venkataraman.K, B.VijayRamnath, S.Kannappan, "Lean Manufacturing System Implementation – A Case study" Proceedings of second International Conference on Advances in Industrial Engineering Applications(ICAIEA2014) Anna University,January 6-8, 2014.

2. E.Vetre Selvan1, Mr.K.Venkataraman, and B.Vijaya Ramnath, " Developing Frame Work For Lean Based New Product Development", 2nd International Conference on Advanced Manufacturing and Automation (INCAMA-2013), Kalasalingam University, March 28 – 30, 2013.

3. E.Vetre Selvan, K.Venkataraman, and B.Vijaya Ramnath, "Optimization of concept selection process in NPD cycle through fuzzy logic". International Conference on Computational Intelligence and Advanced Manufacturing Research, ICCIAMR 2013, Vels University, Chennai, Vol –AB, ISBN – 978–81–

924031–7-5

4. S.Prabhu Mani Rathinam, K.Venkataraman, and B.Vijaya Ramnath, “Optimization of concept selection process using Artificial Neural Network”. International Conference on Computational Intelligence and Advanced

Manufacturing Research, ICCIAMR 2013, Vels university, Chennai, Vol –AB, ISBN – 978–81–924031–7-5.

5. K.Venkataraman, B.Vijaya Ramnath, "Selection of Manufacturing method using ANN",International Conference on Modeling, Optimization and Computing, ICMOC – 2014, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari, Tamil Nadu.

6. K.Venkataraman, B.Vijaya Ramnath, "Lean Production System Implementation in a component manufacturing Industry a case study," 4th International Conference on futuristic trends in Mechanical Engineering, ICFTME2015, Thiruvalluvar college of Engineering and Technology, Arunachala City, vandavasi, Tamil Nadu.

Research Papers Published in National Conference Proceedings

7. K.Venkataraman, B.Vijaya Ramnath, " Implementation of lean Manufacturing system a case study,"National Conference on advances in Mechanical Engineering- NCAME 13, held at Sri Sai Ram Engineering College, on 25th April 2013, West Tambaram, Chennai.

8. K.Venkataraman, B.Vijaya Ramnath "Analysis and Optimization of Parabolic leaf spring for light commercial vehicles." Sixth national conference on emerging trends in mechanical engineering – NCETNE 2015, on 1st April 2015 at SNS college of Technology, Coimbatore.

Short Term Course (*Refresher courses) *Attended

1 07-03-2013- Short term course –Department of Automobile Engineering, Anna University MIT campus Research Methodology, Techniques of writing research articles for SCI journals and Ph.D thesis preparation-UGC Sponsored

Workshops Attended

1 One day workshop -Dept of mechanical Engineering-Sri Sairam Engineering College and CADD Centre "Value Engineering using Ansys".19.8.2016

2 One day workshop -Dept of mechanical Engineering-Sri Sairam Engineering College. "Role of Lean Manufacturing on Organisation Competititveness. 28.8.2014

3 One day workshop on 19-7-2012 Department of Mechanical Engineering, Sri Sairam Engineering College , " Finite element analysis tools and its applications"

5 One day workshop -Dept of mechanical Engineering-Sri Sairam Engineering College-Renewable Engergy-24-02-2012**.**

Resource person

1 Faculty Development Program "Advancements in materials, Manufacturing Processes and Management Systems"-Dept of mechanical Engineering-Sri Sairam Engineering College. From 4.11.2013 to 16.11.2013

- **CONSULTANCY PROJECTS** with Confederation of Indian Industry, Mumbai. The projects are taken for Bharat Forge, Pune & Siemens, Chennai, Automotive Axles (India) Ltd, Mysor Clayton, Chennai, Sanmar Foundaries, Audco , Chennai

    1. Establishing Lean and Agile manufacturing system for crank shaft – Wabco
    2. Lean implementation in clutch servo product to meet customer demand by reducing lead time, improving quality and productivity level. - Audco
    3. Improving manufacturing effectiveness of Gate, Globe, Audco
    4. Development of new manufacturing system with lean and agile characteristics for industrial valve manufacturing in Audco India limited.
    5. Design , Develop and implement a completely automated GDC cell for anchorage muffler casting
    6. Evaluation of best practices of lean and theory of constraints concepts for a foundry catering to MTO & MTS environment (more specific to sanmar foundries Ltd Trichy
    7. Reduction of customer complaints (Internal/External)in regard to gear set noise through the improvisation of process capability for Max individual Pitch variation through 6 sigma methodology at automotive axles Ltd.,
    8. Lean New Product development and Introduction process with IT support – Siemens
    9. Productivity improvement in iveco line - Bhart forge
    10. To design and recommend a system for maintenance, designing & manufacturing of inductors required for crankshaft induction hardening machines.