


Sri Sai Ram Engineering College
Department of Mechanical Engineering

Name : C.ELANCHEZHIAN	
Designation:	ASSISTANT PROFESSOR
Qualification :	M.E, Ph.D (doing)
Area of Specialisation :	PRODUCTION ENGINEERING
Experience :	Teaching : UG: 16.5 years PG : 1 year
	Industry : - yrs
No. of workshop / Conferences / FDP attended :	3/1/3
No. of workshop / Conferences / FDP organised:	3/1/1
Funded Projects	NIL
Publication :	Journal National : 2 International : 6
	Conference National : 12 International : 8
Research Guidance :	-
General :	Authored 30 books in the Area of Mechanical, Production and Management sciences. Annexure 1.
Staff Achievements:	<ol style="list-style-type: none"> 1. Produced 100% result in Engineering Graphics more than 10 times. 2. Resource person for FDP on Design of Jigs, Fixtures and Press tools organized by Anna University, Chennai. 3. Adjudged as the best guide by TNSC-

	2002 for the project on Speed Alarming system in Auto Mobile.
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Experience : (Details)

1. Working as Asst. Professor since August 2007 at Sri Sai Ram Engg. College, Chennai-44.
2. Worked as Senior Lecturer between April 2000 and July 2007 at Sri Sai Ram Engg. College, Chennai-44.
3. Worked as Lecturer between April 1994 and March 2000 at Annai Velankani Polytechnic College, Pandurtti.

Workshop/Conferences/FDP attended : (List)

1. FDP on Design of Jigs Fixtures and Press Tools in MEPCO Engg College, 2003.
2. Conducted Youth Development Programme in 2006.

Workshop/Conferences/FDP organised : (List)

1. FDP on Total Quality Management in Sri Sai Ram Engg. College, 2005.
2. National Conference on Advancements in Manufacturing and management (**AIMMS 2008**) in the year of 2008 which was well received by 300 participants from all over country.
3. Organized a national Level technical Symposium in the Year of 2005 as **SAIMECH 05** which appeared in the "**The Hindu** " paper as best symposium.

Funded projects (List)-

Publication : (Details)

Journal : (list)

National :

1. "Application of JIT concept for Cellular Manufacturing", **Industrial Engineering Journal**, Vol. XXXVI NO 1, Page No: 36-39, January 2007.
2. "Scrap reduction in Coiler Machine", **Industrial Engineering Journal**, Vol. XXXVI NO7, Page No: 6-13, July 2007.

International:

1. C.Elanchezhian ,B.Vijaya Ramnath, , R.Kesavan “Supplier Selection using Fuzzy Inference System”, **International Journal of Management Research and Technology**, Serials Publication, paper accepted for publication.
2. B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan “A group decision making AHP model for optimizing assembly system through lean Manufacturing”, *International Journal of Management Research and Technology*,1,301-309,2009.
3. B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan “Application of Integer Programming Model for optimizing design facility using Lean Manufacturing”, *International Journal Of Operation, Quality and Reliability Engineering*, paper accepted for publication in June 2010 issue.
4. B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan “Optimal Batch Size Model for a constrained changeover Time ”, *International Journal Of Recent Trends in Engineering*, Finland, paper accepted for publication in March 2010 issue.
5. B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan “The application of Analytic Hierarchy Process to select Lean –Kitting assembly for an Engine Assembly ”, *AIMS International Journal of Management* , USA, paper accepted for publication in 2010 issue.
6. B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan “Value Stream Mapping - A Tool For Implementing Lean Manufacturing For A Engine Assembly Line ”, *Journal Of Science & Technology* , Fiji Island, paper accepted for publication in May 2010 issue.

Conference:(list)**National :**

SL.N O	AUTHORS	TITLE OF THE PAPER	NAME OF THE CONFERENCE	ORGANIZED BY	DATE OF THE CONFERENCE
1	B.Vijaya Ramnath C.Elanchezhian Dr.R.Kesavan	Transformation to Lean manufacturing by an ELR belt assembly system	National Conference on Recent Trends in Mechanical Engineering	Department of Mechanical Engineering Sri Jayachamarajendra College of Engineering, Mysore.	17.11.2008 & 18.11.2008
2	B.Vijaya Ramnath C.Elanchezhian	Design and manufacturing of	Recent Advances in	Dept.of Mechanical and Manufacturing	22.02.2007 & 24.02.2007

	Dr.R.Kesavan	Generator Engine parts using reverse engineering	Design Engineering	Engineering, Manipal University, Manipal	
3	B.Vijaya Ramnath C.Elanchezhian S.Gajendran Dr.R.Kesavan	Implementation of TPM in Automobile Industry	R-TEMMP '07	Dept .of Mechanical Engineering, S.S.E.C., Chennai	16.03.2007
4	B.Vijayaramnath C.Elanchezhian S.Gajendran Dr.R.Kesavan	A adapting Concurrent Engineering	R-TEMMP '07	Dept .of Mechanical Engineering, S.S.E.C., Chennai	16.03.2007
5	B.Vijaya Ramnath Dr.R.Kesavan	Lean Manufacturing in Engine Valve Manufacturing	AIMMS '08	Dept .of Mechanical Engineering, S.S.E.C., Chennai	17.04.2008
6	R.Senthil Kumar B.Vijaya Ramnath, S.Gajendran , R.Kesavan	Optimization of steering system assembly through Lean Manufacturing	Advances in Robotics, precision Engineering & Manufacturing Techniques AIRPAM – 2008	Dept. of Production Technology, M.I.T. Campus, Anna University, Chennai.	14.03.2008
7	B.Vijaya Ramnath C.Elanchezhian Dr.R.Kesavan	Lean Manufacturing for cycle Time Reduction in an assembly shop	National Conference on Technology, Education and Management Scenario in India	NSS College of Engineering, Palakkad	24-3-2009 & 25-3-2009
8	B.Vijaya Ramnath, C.Elanchezhian Dr.R.Kesavan	Implementation of TPM for Improving Machinery Utilization (A case study)	National Conference on Technology, Education and Management Scenario in India	NSS College of Engineering, Palakkad	24-3-2009 & 25-3-2009

9	B.Vijaya Ramnath, Dr.R.Kesavan	Implementation of Lean manufacturing using Value Stream Mapping	National Conference on Recent Trends in Manufacturing Technology	Dept. Of Manufacturing Engineering, College of Engineering Guindy, Chennai	6-3-2009 & 7-3-2009
10	B.Vijaya Ramnath, C.Elanchezhian Dr.R.Kesavan	Lean manufacturing using Kanban System in Engine valve Machining	National Conference on Recent Trends in Manufacturing Technology	Dept. Of Manufacturing Engineering, College of Engineering Guindy, Chennai	6-3-2009 & 7-3-2009
11	B.Vijaya Ramnath, C.Elanchezhian, Dr.R.Kesavan	Lean Manufacturing on Engine Assembly Conveyor Line	National Conference on A confluence of design and Manufacturing Engineers	G.K.M. College of Engineering Technology, Chennai	11-4-2009.
12	C.Elanchezhian B.Vijaya Ramnath, Dr.R.Kesavan	Quality Improvement Through standardization Using Multi Criteria Decision Making process	National Conference on A confluence of design and Manufacturing Engineers	G.K.M. College of Engineering Technology, Chennai	11-4-2009.

International:

SL.NO	AUTHORS	TITLE OF THE PAPER	NAME OF THE CONFERENCE	ORGANIZED BY	DATE OF THE CONFERENCE
1.	B.Vijaya Ramnath C.Elanchezhian Dr.R.Kesavan	Productivity improvement of an ELR belt assembly system using Lean Manufacturing	<i>International Conference on Global business strategy in competitive Environment</i>	Sri Sai Ram Institute of Management studies, S.S.E.C, Chennai	21.9.2007 & 22.09.2007
2	B.Vijaya Ramnath C.Elanchezhian G.Ramakrishnan	A promising Lean manufacturing tool for reduction of waste in manufacturing	<i>International Conference on Global business strategy in competitive</i>	Sri Sai Ram Institute of Management studies, S.S.E.C,	21.9.2007 & 22.09.2007

		industries using value stream mapping	<i>Environment</i>	Chennai	
3	B.Vijaya Ramnath C.Elanchezhian Dr.R.Kesavan	Lean Manufacturing for reducing Loading, Unloading and Cycle Time	<i>International conference -FAME-2008</i>	Dept .of Mechanical Engineering, MEPCO Engineering College, Sivakasi.	11.12.2008 & 13.12.2008
4	B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan	Assembly Line Optimization through Lean Manufacturing	<i>International conference on INNOVATIONS</i>	Research Department of Commerce, Loyola college, Chennai	12-1-2009 & 13-1-2009.
5	B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan	Lean Manufacturing for Cycle Time Reduction in an Assembly Shop	<i>ASEE 2009 International Conference</i>	School of Engineering, University of Bridgeport	1-4-2009 to 3-4-2009
6	B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan	A Multi Attribute Decision Making Model for Selecting Suitable Assembly Method among Line side, Lean-kitting and Kanban assembly	<i>International Conference on Advances in Industrial Engineering Applications</i>	Dept. of Industrial Engg. Anna University, Chennai	6-1-2010 To 8-1-2010
7	B.Vijaya Ramnath, C.Elanchezhian, R.Kesavan	Goal Programming approach to find Optimal Batch Size	<i>International Conference on Innovation, management systems</i>	ACCEE-SINGAPORE	26-2-2010 TO 20-2-2010

**Annexure-I
BOOKS WRITTEN**

SL.NO	NAME OF THE BOOKS	PUBLISHERS
1	* Process planning and cost estimation	New Age International Publishers, New Delhi
2	*Computer Aided Manufacturing	Laxmi Publication ,New Delhi
3	*Manufacturing Technology - I	Laxmi Publication ,New Delhi
4	Engineering Economics and Financial	Laxmi Publication ,New

	Accounting	Delhi
5	*Design of Jigs, Fixtures and Press tools	Eswar Press, Chennai-17
6	*Engineering Metrology	
7	Production Technology	
8	*Principles of Management	
9	Design of Machine Elements	
10	*Engineering Management	
11	Manufacturing Technology - II	Anuradha Publications, Kumbakonam
12	*Machine Tools	
13	Engineering Metrology and Measurement	
14	Computer aided Design	
15	Fluid mechanics and machinery	
16	Unconventional machining processes	
17	Special casting process	
18	Engineering materials and metallurgy	
19	Computer Integrated Manufacturing	
20	Strength of materials	
21	Solid and fluid mechanics	
22	* Power plant Engineering	I.K. International Publishing House Pvt.Ltd, New Delhi
23	* Total Quality Management	
24	Engineering Graphics	Shreem Bhuvanewari Publications, Chennai-44 Sri Krishna Agencies, Chennai
25	* Manufacturing Strategy	Vikas Publishing House Pvt. Ltd, New Delhi
26	Engineering Graphics (For polytechnic colleges)	Shreem Bhuvanewari Publications, Chennai-44
27	Work shop manual(Polytechnic colleges)	
28	Organizational Behavior	Umesh Publication, New Delhi
29	* Basic Civil and Mechanical Engineering	Anuradha Publications, Kumbakonam
30	Engineering Economics and Cost analysis	
31	Production Planning and Control	
32	Applied hydraulics and Pneumatics	Under Press

The following are the referred text books in the various universities in India:

- * Basic Civil and Mechanical Engineering- Anna University- Chennai, Chennai.
- * Process planning and cost estimation - MIT campus, Anna University.
- *Manufacturing Technology - I - PSG College of Technology
- *Design of Jigs, Fixtures and Press tools - NIIT Kerala, Dr.MGR University
- *Engineering Metrology - PSG College of Technology
- *Principles of Management -MIT campus, Anna University
- * Power plant Engineering - JNTU ,Andhar Pradesh
- * Total Quality Management -Viswesvaraya Technical University, Banglore
- * Manufacturing Strategy -Maharastra Schowhan University,
- *Engineering Management - MIT campus, Anna University
- *Machine Tools -JNTU ,Andhra Pradesh