

**M.Raja Chandra Sekar M.E (Ph.D)**

Assistant Professor - Department of Mechanical Engineering

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Blog Address: <https://www.blogger.com/blog/posts/2826434361622802710>**Educational Qualification:**

Ph.D (Pursuing)	Mechanical Engineering	Anna University
M.E	Industrial Engineering	P.S.G College of Technology
B.E	Mechanical Engineering	Kurinji College of Engineering and Technology

**Experience in Years: 10 years****Employment History:**

Velammal College of Engineering and Technology, Madurai	Mechanical Engineering	2013 – till date
Kalasalingam University	Mechanical Engineering	2011 - 2013

**Interested Research Areas:**

Cellular Manufacturing

Supply Chain Management

Scheduling

Operations Research

Optimization Techniques

**Scholarships and Awards received:**

1. NDRF – Bronze Medal for the Guided project titled “Prawn Shell Remover” (2016)
2. Kalam Award – Guided the project titled “Beet Harvester”.
3. AICTE Chhatra Viswakarma Award 2019 – Top 10 National Finalist.

**Funded Research Projects: -****Patent rights received: -****Publications Details:****1. Patent Journal Publication Details: -**

## **2. International Journal Publication Details:**

(i) Published an article entitled “**Automatic Fixation of RD Cap in IRDS Condenser Tube**” in International Journal of Latest Engineering Research and Applications (IJLERA) ISSN 2455-7137, Volume – 02, Issue – 06, June -2017, pp 47-58.

(ii) Published an article entitled “**Analysis of Assembly Line Balancing in an Automobile MNC company using Heuristics Approach**” in IAETSD – International Journal of Multee – Disciplinary Research, Volume 3, Issue 1, January –February 2017.

(iii) Published an article entitled “**Methods for solving Cell Formation, Static Layout and Dynamic Layout Cellular Manufacturing System Problems: A Review**” in the Asian Journal of Science and Technology, Vol 06, Issue 12, pp no 2107-2112, December 2015.

(iv) Published a paper “**Implementation of Cellular Manufacturing in Process Industry**” in the International Journal of Innovative Research in Science, Engineering and Technology through ICIET’14, an International Conference organized by K.L.N. College of Engineering, Madurai.

## **3. International Conference Presentation Details:**

(i) Published an article entitled “**Methods for solving Cell Formation, Static Layout and Dynamic Layout Cellular Manufacturing System Problems: A Review**” in the Asian Journal of Science and Technology, Vol 06, Issue 12, pp no 2107-2112, December 2015.

(ii) Published a paper “**Analysis of Machine Assignment in various Single Row Intra-Cell layout in Cellular Manufacturing System**” in an International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014) organized by Anna University, Chennai.

(iii) Published a paper “**Leveraged Freedom Wheel Chair**” in the International Conference on Innovative Research in Thermal and Manufacturing Engineering (IRTME’19) organized by Velammal College of Engineering and Technology during 17.10.19 -18.10.19.

(iv) Published a paper “**Design and Fabrication of Solar Induction Cooker**” in the International Conference on Innovative Research in Thermal and Manufacturing Engineering (IRTME’19) organized by Velammal College of Engineering and Technology during 17.10.19 -18.10.19.

## **4. National Conference Presentation Details:**

(i) Presented a paper entitled “**Analysis of cycle time reduction in Moulding section in Suzlon Energy Forge using Time study and IGRAPHX to increase the production efficiency.**” in the Sixth National Conference on Optimization Techniques in

Engineering Science and Technologies (OPTTEST'11) in Bannari Amman Institute of Technology, Sathyamangalam, Erode.

(ii) An article entitled “**Analysis of cycle time reduction in Moulding section using Time study and to increase the Production efficiency**” is presented in the National conference on Manufacturing Innovation Strategies and Appealing Advancements (MISAA'11) held at P.S.G College of Technology, Coimbatore.

(iii) Published a paper entitled “**Identification of Process Parameters to improve the efficiency in a Cellular Manufacturing system – Case Study**” in the National Conference on Emerging Research and Advances in Mechanical Sciences (ERAMS-2016) organized by Velammal Engineering College, Chennai.

### 5. Google Scholar report:

<https://scholar.google.com/citations?user=zUrcv-gAAAAJ&hl=en>

Cited by		
	All	Since 2016
Citations	5	5
h-index	1	1
i10-index	0	0