

## **Dr. KOTA SYAM SUNDAR**

Department : Mechanical Engineering  
College : Seshadri Rao Gudlavalleru Engineering College  
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### **RESIDENTIAL ADDRESS:**

20/225, Bethavolu, Gudivada, Krishna Dt. AP -521301

### **ACADEMIC QUALIFICATIONS:**

- ❖ Ph.D : Industrial Engineering.
- ❖ M.Tech : Production Engineering
- ❖ B.Tech : Mechanical Engineering

**ACADEMIC REWARDS / ACHIEVEMENTS:** Nil

### **PROFESSIONAL EXPERIENCE:**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>
Professor	Seshadri Rao Gudlavalleru Engineering College	01.03.2013 to till date
Associate Professor	Gudlavalleru Engineering College	01.08.2005 to 28.02.2013
Assistant Professor	Gudlavalleru Engineering College	25.10.1999 to 31.07.2005

### **PROJECTS GUIDED:**

<b>PhD</b>	<b>Post Graduation</b>	<b>Under Graduation</b>
Nil	01	27

### **AREAS OF SPECIALIZATION:**

- ❖ Production Engineering
- ❖ Industrial Engineering
- ❖ Materials Engineering

## PAPERS PUBLISHED IN JOURNALS:

<b>Journals:</b>	<b>National</b>	<b>:</b>	Nil
	<b>International:</b>		08
<b>Conferences:</b>	<b>National</b>	<b>:</b>	03
	<b>International:</b>		09

### Journals:

#### a) International

- ❖ A paper published on “Investigation of the Mechanical Behavior of Epoxy Composites Filled with Bagasse Ash and Pistachio Shell Ash: A Comparative Study” *Material Research Express*, 11 (2024) 065304, <https://doi.org/10.1088/2053-1591/ad5814>.
- ❖ A paper published on “Exploring the influence of stacking sequence on the mechanical properties of flax-ramie bi-quadratic layered hybrid epoxy composites” *Material Research Express*, 11 (2024) 065304, <https://doi.org/10.1088/2053-1591/ad5814>.
- ❖ A paper published on “Modeling of Two-Echelon Inventory System under Exponential Price Dependent Demand” *ARN Journal of Engineering and Applied Sciences*, Vol.9, No.4, April 2014, ISSN 1819-6608.
- ❖ A paper published on “Development of Two Echelon Inventory Systems for Supply Chain Coordination under Price Dependent Demand”, *European Journal of Scientific Research*, Vol.104, No.4, June 2013, pp.683-697.
- ❖ A paper published on “Coordination in Two level Supply Chain with Price Dependent Demand”, *Applied Mathematical Sciences*, Vol. 6, 2012, no. 74, 3687 – 3703.
- ❖ A paper published on “Coordinating the supply chain inventories in multi-echelon networks”, *Journal of Engineering Science and Technology*, Vol. 3 No. 6 June 2011
- ❖ A paper published on “Experimental Analysis of External Roller Burnishing on Surface Roughness, Surface Hardness and Microstructure of Aluminium Metal”, *International Journal of Applied Engineering Research* (ISSN 0973-4562), Vol.5, Number 4, pages 729- 745.
- ❖ A paper published on “Experimental Analysis of External Roller Burnishing on Surface Roughness, Surface Hardness and Microstructure of Brass Metal”, *Manufacturing Technology Today*, Vol.8, issue -11, pages 19-28, November 2009.

## **PAPERS PUBLISHED IN CONFERENCES / WORKSHOPS:**

### **National**

- ❖ Dr. K. Syam Sundar have presented a paper entitled “MultiEchelon Inventory Systems for Supply Chain Coordination with Inflation under Price Dependent Demand” in national conference on Innovations in Engineering & Technology (NCIET 2013) at Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru on 27th -28th December, 2013.
- ❖ A Paper presented on “Two Echelon Inventory Systems for Supply Chain Coordination under Stock Dependent Demand”, AIMS 2013, IIM Bangalore
- ❖ A paper presented on “Co ordination frame work for Supply Chain Inventory Alignment” in AICTE sponsored 3 day National seminar on Optimization Techniques in Mechanical Engineering at Gudlavalleru Engineering College during 18<sup>th</sup> to 20<sup>th</sup> January 2008.

### **International**

- ❖ A paper presented on “Cold Supply Chain Supplier Selection using MCDM Techniques” in the International Conference on Logistics, Supply Chain and Transportaion organized by Centre of Excellence in Logistics and Supply chain Management(CoELSCM) held during May 22-24, 2024 at NIT Calicut.
- ❖ A paper presented on “Modeling of Two-Echelon Inventory System under Exponential Price Dependent Demand” in the International Conference on Trends in Product Life Cycle, Modeling, Simulation and Synthesis held during January 6<sup>th</sup> – 8<sup>th</sup>, 2014 at VIT University, Vellore
- ❖ A paper presented on Inventory Management in Supply Chain is presented in National Conference on Emerging Technologies in Mechanical Engineering for Sustainable Development at S.R.K.R. Engineering College, Bhimavaram during on 23<sup>rd</sup> Dec, 2006
- ❖ A Paper presented on “Collaborative supply Chain Planning Using Artificial Network Approach” is presented in International Conference CARS & FOF 2006 at Vellore Institute of Technology, Vellore during 19<sup>th</sup> to 22<sup>nd</sup> July, 2006.
- ❖ A Paper presented on “Inventory Management in Supply Chain – A reinforcement Learning Approach”, GMI 2006, CIT, Coimbatore, India.
- ❖ A Paper presented on “Methodology for Monitoring Supply Chain Performance” , CARS & FOF 2004, UNET, Venezuela.
- ❖ A Paper presented on “Information Sharing in a Supply Chain with Dynamic Consumer Demand Pattern” is presented in International Conference on Manufacturing & Management GCMM, 2004 at Vellore Institute of Technology, Vellore.

- ❖ A Paper presented on “Benefits of Information sharing in a two level supply chain” , ICORD 2002 Anna University, Chennai, India
- ❖ A Paper presented on “Modelling And Analysis Of Information Sharing To Improve Order Quantity Decisions In A Two Level Supply Chain” is presented in international conference on operation research for development on December, 2002 at Anna University, Chennai

### **LIST OF WORKSHOPS / CONFERENCES /SEMINARS ATTENDED:**

- ❖ Participated in AICTE Training and Learning Academy Faculty Development Program on Machine Learning and Its Prospects in Manufacturing and Industry 4.0” organized by Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru held during February 10-15, 2025.
- ❖ Participated in A National Level Webinar on “Intellectual Property Rights & Patents - A View” organized by IQAC, Gudlavalleru Engineering College, Gudlavalleru held during 10<sup>th</sup> - 12<sup>th</sup> August, 2020.
- ❖ Participated in Five Day online faculty development program on "Mechatronics, Automation and Robotics" Organized by the department of Mechanical Engineering, OP Jindal University, Raigarh during 3<sup>rd</sup>-7<sup>th</sup> August 2020.
- ❖ Participated in Acharya's International Webinar Series on "Getting Started with MATLAB" on 26<sup>th</sup> July 2020.
- ❖ Attended National Webinar on "National Innovation and Start Up Policy 2019 for Students and Faculty" organized by department of Mechanical Engineering, Nalla Narasimha Reddy Group of Institutions, Hyderabad on 17<sup>th</sup> July 2020.
- ❖ Participated in National level one week online faculty development program on "Advances in Manufacturing and Optimization Techniques" Organized by the department of Mechanical Engineering, Jayamukhi Institute of Technological Sciences, Narsampet during 22<sup>nd</sup>-26<sup>th</sup> June 2020.
- ❖ Participated in National level one week online faculty development program on " Optimization Techniques and Tools for Mechanical Engineers" Organized by the department of Mechanical Engineering, Sreenidhi Institute of Science & Technology, Hyderabad during 22<sup>nd</sup> - 27<sup>th</sup> June 2020.
- ❖ Participated in National level one week online faculty development program on " Research Trends in Mechanical Enineering" Organized by the department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 15<sup>th</sup> - 20<sup>th</sup> June 2020.
- ❖ Participated in the webinar on "Impact of COVID in Engineering Education & Way Forward" Organized by ISTE, Gudlavalleru Engineering College, Gudlavalleru on 9<sup>th</sup> June 2020.

- ❖ Attended one week faculty development program on "Advanced Manufacturing Enterprise in Digital Era" organized by department of Mechanical Engineering, AITAM, Tekkali during 1<sup>st</sup> to 5<sup>th</sup> June 2020.
- ❖ Participated in the webinar on "Engineering Drawing Practice for Technocrats " organized by the Department of Mechanical Engineering, Geethanjali Institute of Science and Technology, Nellore on 16th May 2020 .
- ❖ Attended a Two Day Faculty Development Program on "Advances in Manufacturing" conducted by Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru, during 16th - 17th November 2018.
- ❖ Attended IE (I) Sponsored One Day Workshop on "Characterisation of Metal Matrix Composites" conducted by Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru, on 11th August 2018.
- ❖ Attended AICTE - ISTE Sponsored One Week Refresher Course on "Computational Fluid Dynamics" conducted by Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru, during 18th - 23rd June 2018.
- ❖ Attended a Two day Training Program on "MATLAB, Simulink & Related Tool Boxes" conducted by Capricot Technologies Pvt. Ltd. and Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru, during 8th - 9th February 2018.
- ❖ Attended one week faculty training program on “MATLAB Applications in Mechanical Engineering”, organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 7<sup>th</sup> to 11<sup>th</sup> September, 2015.
- ❖ Attended One week workshop on “Training Program on ANSYS”, organized by the Departments of Mechanical and Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru during 22<sup>nd</sup> to 27<sup>th</sup> June, 2015.
- ❖ Participated in a 2 day workshop on “Recent Trends in Manufacturing Processes”, organized by Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 27<sup>th</sup> – 28<sup>th</sup> June, 2014.
- ❖ Attended two week workshop on “Fluid Mechanics” organized in association with ISTE & IIT Kharagpur during 20.05.2014 to 30.05.2014
- ❖ Attended two week workshop on “Engineering Mechanics” organized in association with ISTE & IIT Bombay during 26.11.2013 to 07.12.2013.
- ❖ Attended the Two Day National Workshop on “Advanced Optimization with Hands on Experience

using MATLAB” conducted at VIT University, Vellore on 22<sup>nd</sup> & 23<sup>rd</sup>, March 2013.

- ❖ Attended a One day workshop on “DFX - Product Design Excellence”, organized by department of mechanical engineering, Gudlavalleru Engineering College, on 17<sup>th</sup> September, 2012
- ❖ Attended a Two-day Workshop on “Best Practices in Production”, organized by Gudlavalleru Engineering College, during 20<sup>th</sup> – 21<sup>st</sup> July, 2012.
- ❖ Attended National Seminar on “Applications of Finite Element Methods in Engineering” organized by Gudlavalleru Engineering College, Gudlavallerru during 8.7.2011 to 9.7.2011.
- ❖ Attended 2 day workshop on “Supply chain Management” organized by KL University, Guntur dated on 25th April 2010.
- ❖ Attended to the Seminar on “AICTE sponsored three day National Seminar on Applications of Optimization Techniques in Mechanical Engineering” organized by Dept. of Mechanical Engineering, GEC Gudlavalleru during 18-01-2008 to 20-01-2008.
- ❖ Attended Two Day Workshop on “Robotics & Automation” organized by Gudlavalleru Engineering College, Gudlavallerru during 09-02-2007 to 10-02-2007.
- ❖ Attended One week AICTE/ISTE sponsored workshop on Concurrent Engineering at S.R.K.R.Engineering College, Bhimavaram during 27<sup>th</sup> – 31<sup>st</sup> December 2004.
- ❖ Participated in International conference on Logistics and Supply Chain Management ILSCM, 2004 at PSG College of Technology, Coimbatore.
- ❖ Attended to International Conference on Logistics and Supply Chain Management organized by PSG College of Technology, Coimbatore during 3-08-2004 to 5-08-2004.

### **MEMBERSHIP IN PROFESSIONAL BODIES:**

- ❖ LMISTE
- ❖ MIE