


A1	Personal Details	
Prof.S.SURESH BALAJI		
Assistant Professor		
Department of Mechanical Engineering		
Knowledge Institute of Technology		
Ph: +91 - 98427 75097		
E Mail ID: ssbmech@kiot.ac.in		

A2	Areas of Interest
	Design of Machines and Various Engine Components

A3	Subject Taught	
Design of Machine Elements	Environmental Safety for PG ISE	
Design of Transmission Systems		
Engineering Graphics		
Maintenance Engineering		
Fluid Mechanics and Machinery		
Dynamics of Machinery		

A4	Academic Background			
Degree	Specialization	Name of the Institute	University	Year of Passing
B.E.	Mechanical Engineering	Government college of Engineering, Salem	Anna University	2008
M.E.	Engineering Design	Anna university of Technology, Coimbatore	Anna University	2012
Ph.D.	Layout Design	Knowledge Institute of Technology, Salem	Anna University	Pursuing

A5	Work Experience as on July 2021			
Name of the Institution	Position	From	To	
Knowledge Institute of Technology, Salem	Assistant Professor	July 2013	Present	
Jayam College of Engineering and Technology	Assistant Professor	June 2012	June 2013	

AKT Memorial College of Engineering & Tech		Lecturer		March 2009		September 2010	
The Salem Polytechnic College, Salem		Lecturer		June 2001		June 2004	
Total Experience	18.11 Years	Teaching	14.06 Years	Research	-	Industry	4.05 Years

A6		Research Publications				
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total	
		19	-	1	5	25
Publications (Journals)						
1.	Published a paper entitled "Fabrication Of Turmeric Planting Machine" IJAER ISSN: 0973-4562 Vol 10, Issue 50, pp: 123 - 126 May Feb 2014.					
2.	Published a paper entitled "Qualitative Risk Analysis of LPG Storage in Industries" IJAER ISSN: 0973-4562 Vol 10, Issue 50, pp: 37 - 41 May Feb 2014.					
3.	S.SureshBalaji, Thangaraj G. "A Study on Influences of Lighting on Resource usage in an Institution Library", International Journal of Research in Engineering and technology, Vol 3.No.11, pp 222-226.					
4.	S.SureshBalaji, Sankar E "Hazard Identification And Safety Control In Hot Rolling Mill", Advances in Natural and Applied Sciences, Vol 10.No.9, pp 102-105					
5.	S.SureshBalaji, Raghunathan. "Pick & place arm attached clawer machine's analysis", Advances in Natural and Applied Sciences, Vol 10.No.9, pp 25-37					
6.	S.SureshBalaji, Sathish Kumar R. "Risk Assessment In Paint Shop Using Hira for Automobile Industry", Advances in Natural and Applied Sciences, Vol 7.No.11, pp 727-730					
7.	S.SureshBalaji, Raghunathan. "A Simple Local Pathway Planning Algorithm for Self-directed Mobile Robots", International Journal of Scientific & Engineering Research, Vol 08.No.6, pp 58-65					
8.	S.SureshBalaji, Vignesh. "Design and Fabrication of 3600 Rotating Automatic Conveyor Belt with Up Down Motion", International Journal of Advanced Research in Basic Engineering Sciences and Technology, Vol 04.No.8, pp 21-23					
9.	S.SureshBalaji, Gowtham N. "DESIGN AND FABRICATION OF PNEUMATIC SLIVER CAN TILTER", International Journal of Advanced Research in Management, Architecture, Technology and Engineering, Vol 04.No.8, pp 129-135					
10.	S.SureshBalaji, Vinothkumar. "DESIGN AND ANALYSIS OF DISC BRAKE SYSTEM FOR ALL TERRAIN VEHICLE", International Journal of Advanced Research in Basic Engineering Sciences and Technology, Vol 04.No.8, pp 9-13					
11.	S.SureshBalaji, Vinothkumar. "Design and Fabrication of foot step power generation using rack and pinion assembly", International Journal of Advanced Research in Basic Engineering Sciences and Technology, Vol 04.No.8, pp 24-26					

12.	S.SureshBalaji, L.Shivanathan. "Occupational Health And Chemical Safety At ETP And STP In Process Industry", International Journal of Advanced Research in Basic Engineering Sciences and Technology, Vol 04.No.8, pp 206-204
13.	Published a paper entitled "Implementation Of Chemical Hazardous And Waste Resource Polyurethane Foam Manufacture Industry" May 2019.
14.	Published a paper entitled "Dual Mode Agv For Small Scale Industries" May 2019.
15.	Published a paper entitled "Design and Analysis of Knuckle for All Terrain Vehicle" May 2019.
16	Published a paper entitled "Comparative Study of Risk Reduction in Height Work Between Existing and British Standard" May 2021.
17	Published a paper entitled "Design, Analysis and Development of Chair-Less Chair Exoskeleton System" May 2021.
18	Published a paper entitled "Design And Fabrication Of Motorized Multi Purpose Machine" May 2021.
19	Suresh Balaji, S, Rangunathan, S & Visagavel, K 2021, 'Optimization of the Linear Layout Problems Using Improved Tabu Search Algorithm', Interciencia Journal, vol. 46, no. 1, pp. 21-28.
Recent Publications (Conferences)	
1.	S.SureshBalaji, Sridharanj G. "Noise Level Reduction in Ball Mill and crushing Machine by Effective utilization of Damping Technique.", National Conference on Diseno - 2014.
2.	S.SureshBalaji, Thangaraj G. "A Study on Influences of Lighting on Resource usage in an Instituttion Library.", National Conference on AMESHE 3.05.2014 at KIOT, Salem.
3.	S.SureshBalaji, Thangaraj G. "Pick & place arm attached clawer machine's analysis.", National Conference on AMESHE73.05.2016 at KIOT, Salem.
4.	S.SureshBalaji. "Dynamic Analysis of Clawer Robot", National Conference on Innovative Research on New Technologies, Jayalakshmi Institute of Technology, dharmapuri 18.04.2015.
5.	S.SureshBalaji. "Design and stress analysis of bevel gear", National Conference on Innovative Research on New Technologies, Jayalakshmi Institute of Technology, dharmapuri 22.03.2012.
6.	S.SureshBalaji. " Analysis of bevel gea with the parameters", National Conference on Technological Advancements in Mechanical Engineering", Selvam College of Technology, Salem on 10.02.2012

A7	Memberships in Professional Bodies
S.No.	Name of the Professional Body
1.	Indian Society for Technical Education (ISTE)

A8	Training Programmes Attended
1.	Participated in a Two Week ISTE Workshop on Engineering Thermodynamics Conducted by IIT Bombay from 11 to 21 Dec 2012.
2.	Participated in a Two Week ISTE Workshop on Engineering Mechanics Conducted by IIT Bombay from 26 Nov to 06 Dec 2013.
3.	Participated in a Two Week ISTE Workshop on Engineering Mechanics Conducted by IIT Bombay from 20 to 30 May 2014.
4.	Participated in a One Week FDP on Dynamics of Machineries Conducted by Anna University, Chennai from 16 to 22 June 2014.
5.	Participated in a Three Days Workshop on Industrial Automation using PLC and HMI organized by MCET - Bosch Rexroth, Pollachi from 25 to 27 February 2016.
6.	Participated in a One Day Workshop on Under Actuated Robotic Systems and Control organized by Vel Tech, Chennai on 17.08.2013.

A9	Awards & Recognitions
S.No	Name of the Award
1.	Received best project award on Solar Powered Pesticides Sprayer Using Blower held at Adhiyaman College of Engineering, Hosur on 6 and 7th March 2015.
2.	Received Cash award for 100% result in Engineering Graphics
3.	Received Cash awards for producing result more 95% in various subjects.
4.	Received Best Faculty Award from KIOT, Salem.

A10	Programs Organized
1.	Organized as a Coordinator National Conference on "Advancements in Mechanical, Environment, Safety and Health Engineering" at KIOT on May 2018.
2.	Chaired a session in National conference on Innovative Research on New Technologies at Jayalakshmi Institute of Technology, Dharmapuri on 18 April 2015.

A11	Universities Visited
1.	Anna University, Chennai, Coimbatore
2.	VIT University, Vellore
3.	Amrita University - Coimbatore