


A1	Personal Details	
<b>Dr. K. Visagavel</b>		
Professor & Dean / Vice Principal		
Department of Mechanical Engineering		
Knowledge Institute of Technology, Salem - 637 504. India.		
Ph: +91 9500941414		
Email id: <a href="mailto:vp@kiot.ac.in">vp@kiot.ac.in</a>		

A2	Areas of Interest
	Thermal Engineering, IAQ / IEQ ,CFD

A3	Subject Taught	
	UG	PG
	Fluid Mechanics	Environmental Safety
	Engineering thermodynamics	Principles of safety Management
	Heat and mass transfer	
	Thermal engineering	
	Fluid mechanics and machinery	
	Environmental Engineering	
	Fluid mechanics	
	Computational Fluid Dynamics	
	Engineering Mechanics	
	Kinematics of Machinery	

A4	Academic Background				
Degree	Specialization	Name of the Institute	University	Year of Passing	Class
Ph.D.	Thermal - Ventilation Analysis	Kongu Engineering College, Perundurai	Anna University	2010	Highly Commended
M.E.	Thermal Power Engineering	Annamalai University	Annamalai University	1997	First Class (Gold Medalist)
B.E.	Mechanical Engineering	Annamalai University	Annamalai University	1996	First Class

A5		Work Experience as on July 2021					
Name of the Institution		Position		From		To	
Knowledge Institute of Technology, Salem		Professor & Dean / Vice Principal		June 2021		Till date	
Knowledge Institute of Technology, Salem		Professor & Head / Vice Principal		May 2009		May 2021	
K.S.Rangasamy College of Technology		Professor & Head		2008		2009	
K.S.Rangasamy College of Technology		Asst. Prof & Head		2002		2008	
K.S.Rangasamy College of Technology		Lecturer		1998		2002	
<b>Total Experience</b>	24.11 Years	<b>Teaching</b>	24.11 Years	<b>Research</b>	16.2 Years	<b>Administration</b>	20.2 Years

A6		Research Publications & Patents				
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total	
		56	2	10	90	158
Citations	303	h-index	8	i-index	7	
<b>Publications – International / National Journals</b>						
<ol style="list-style-type: none"> <li>1. Google Scholar Profile: <a href="https://scholar.google.com/citations?user=d9Hf5oIAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=d9Hf5oIAAAAJ&amp;hl=en&amp;oi=ao</a></li> <li>2. Research Gate Profile: <a href="https://www.researchgate.net/profile/K-Visagavel">https://www.researchgate.net/profile/K-Visagavel</a></li> <li>3. Scopus Profile : <a href="https://www.scopus.com/dashboard.uri?origin=&amp;zone=TopNavBar">https://www.scopus.com/dashboard.uri?origin=&amp;zone=TopNavBar</a></li> </ol>						
1.	S Mithunraj, <b>K Visagavel</b> and PSS Srinivasan Ergonomic Risk Assessment in Manufacturing Industry by Using Rapid Entire Body Assessment Journal of Xi'an Shiyou University, Natural Science Edition, Volume -18, Issue (4), ISSN : 1673-064X Pages – 122-125					
2.	S. Suresh Balaji, S. Rangunathan, <b>K. Visagavel</b> , and S. Ganesh Kumar Design and optimization of layout problem using meta-heuristic algorithms, Scientia Iranica B (2022) 29(5), pages 2290-2303, doi: 10.24200/sci.2022.58011.5519					
3.	V.Sivakumar, <b>K.Visagavel</b> and A. Godwin Antony Enhancement of induced natural ventilation using various ventilator configuration in single side ventilated building using CFD, Vol 49 (03), March 2020. pp – 503-506, Indian Journal of Geo Marine Sciences.					
4.	KS Prabhakaran and <b>K Visagavel</b> , "Performance improvement of solar powered evaporative cooler using versatile ecological balanced control technique", Microprocessors and Microsystems Vol.72. Elsevier. 2020.					

5.	Karthikeyan Mathesan, <b>K Visagavel</b> , N Nagaraja, T Ramachandran, M Ilangkumaran, M Kirubakaran, "Assessment of Hot Environment in Foundry Industry using Modified Heat Stress Index", Journal of Industrial Safety Engineering. Vol.2, Issue 2, pages – 1-5, November 2019.
6.	Karthikeyan Mathesan, Arun Mohan, <b>K Visagavel</b> , V Deepakraja, P Balaji, A Selvakumar, "Study and Analysis of Body Postures Using Ergonomic Assessment Tools in Drilling Operations", Journal of Industrial Safety Engineering. Vol.2, Issue 1, pages – 28-42, November 2019.
7.	Karthikeyan Mathesan, T Ramachandran, PSS Srinivasan, <b>K Visagavel</b> , M Ilangkumaran, L Anojkumar, B Kirubakaran, Vinoth Kumar, "Studies and Analysis of Perception of Workers Occupation in Hot Environment in Foundry Industry", Journal of Industrial Safety Engineering. Vol.3, Issue 1, pages – 26-33, November 2019.
8.	Karthikeyan Mathesan, <b>K Visagavel</b> , VS Manigandan, M Ilangkumaran, B Kirubakaran, "Lessons Learned from Short Term Training Programme on "Environmental Studies": IIT Bombay: Vol. 1", Journal of Industrial Safety Engineering Vol.2, Issue 3, pages – 12-16, November 2019.
9.	P.K.Suresh, A.Selvakumar, S.Kamalakaran, <b>K.Visagavel</b> and Dr.PSS.Srinivasan, "Fuzzy Logic Based Risk Assessment in a Tool Room", International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) Vol.4, Issue.8, ISSN (ONLINE):2456-5717, pages – 93-102, August 2018.
10.	M.Kaleeshwaran, R.Manivelraja, S.Gowthaman, M.Vigneshwar, <b>Dr.K.Visagavel</b> , A.Elavarasi and A.Selvakumar, "Design and Analysis of Thermal Cold Storage System using Phase Change Material", International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) Vol.4, Issue.8, ISSN (ONLINE):2456-5717, pages – 125-130, August 2018.
11.	M.Mugesh, M.Vinothkumar, S.Kamalakaran and <b>K.Visagavel</b> , "Design & Safety Requirements of Fire Hydrant in Chemical Plant", International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) Vol.4, Issue.8, ISSN (ONLINE):2456-5717, pages – 71-85, August 2018.
12.	M.Udaya Kumar, P.Vijay, S.Kamalakaran and <b>K.Visagavel</b> , "Risk and Opportunity Study in Hydrogen Generation Plant", International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) Vol.4, Issue.8, ISSN (ONLINE):2456-5717, pages – 168-172, August 2018.
13.	Ponnusamy S and <b>K. Visagavel</b> , "Performance analysis of overlapped solar air heater using CFD", Taga Journal, Swansea Printing Technology Ltd. Vol. 14, ISSN: 1748-0345, page – 1757-1763, 2018.
14.	V.Sivakumar, <b>K.Visagavel</b> and A.Selvakumar, "Analysis of Ventilation Rate in Cross Ventilated Rooms by Varying Aperture Shape of Windows Using CDF, Journal of Applied Fluid Mechanics, Vol – 10, pages – 61-68, JAFM, 2017
<b>Patent Details</b>	
1.	Title of the invention : " <b>Thermal Ventilator</b> " Date of filing of Application: 09.12.2019 Publication Date : 20.12.2019 Application No. 201941050745 A The Patent Office Journal No. 51/2019 Dated 20/12/2019

2.	<p>Title of the invention : <b>“Automating the Existing Cradle by Crank Rocker Mechanism”</b></p> <p>Publication Date : 11.06.2014</p> <p>Application No. 2840/CHE/2014</p>
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A7	Memberships in Professional Bodies	
S.No.	Name of the Professional Body	
1	Life Member in Indian Society of Technical Education. (ISTE)	LM27523
2	Life Member in Indian Society of Mechanical Engineers. (ISME)	455
3	Member in American Society of Mechanical Engineers(MASME)	100638128
4	Member in Society of Automotive Engineers (SAE INDIA)	7140411543
5	FIE	F-121863-4

A8	Special Lectures Delivered	
1.	K.Visagavel <b>“Center of Excellence in Career Development &amp; Self Discovery”</b> program Thangam Mount Litera Zee School, Salem. April 06 2022	
2.	K.Visagavel, <b>“Unakkul Unnai Thedu”</b> program for +2 students organized KVB School, Namakkal. March 20 2022	
3.	K.Visagavel, Catalytic Talks Episode - 3 <b>“You are the Best Change Agent”</b> Sri Sessaas International Public School, Salem. March 09 2022	
4.	K.Visagavel, <b>Multi-Skilled Engineer from KIOT, KIOT Student Connect 2021, Career Counseling Program for +2 Students conducted by Knowledge Institute of Technology, Salem, TN, India, 10<sup>th</sup> August 2021.</b>	
5.	K.Visagavel, <b>NEP 2020, AICTE - ISTE - Online Teaching and Learning Pedagogy, Faculty Development Programme conducted by Knowledge Institute of Technology, Salem, TN, India, during May 2021.</b>	
6.	K.Visagavel, <b>Effective Blended Hybrid Education, AICTE - ISTE - Online Teaching and Learning Pedagogy, Faculty Development Programme conducted by Knowledge Institute of Technology, Salem, TN, India, during three phases in March 2021, April 2021 and May 2021.</b>	
7.	K.Visagavel, <b>Cope up with Stress and Management through Fitness, AICTE - ISTE - Online Teaching and Learning Pedagogy, Faculty Development Programme conducted by Knowledge Institute of Technology, Salem, TN, India, during three phases in March 2021, April 2021 and May 2021.</b>	
8.	K.Visagavel, <b>Technical Symposium Chief Guest at CSI Polytechnic, Salem, February 21st 2018.</b>	
9.	K.Visagavel, <b>Technical Symposium Chief Guest at MIT Polytechnic, Mettur, December 8th 2017</b>	
10.	K.Visagavel, <b>Recent Trends in Alternative Fuels, Udayana University, Denpasar, Indonesia, November 08th, 2017</b>	

11.	K.Visagavel, <b>Need of Engineering Education, Dr.M.G.R Education committee, Gobichettipalayam, TN, India, June 10th, 2017</b>
12.	K.Visagavel, <b>How to prepare for Society of Automotive Engineers organized competitions, Kongu Engineering College, Perundurai, TN, India, July 03<sup>rd</sup>, 2017</b>
13.	K.Visagavel, <b>Thermal Engineering and its applications, Faculty Development Programme conducted by KSR Institute for Engineering and Technology, TN, India, Dec 15<sup>th</sup>, 2016.</b>
14.	K.Visagavel, <b>Importance of sports in career, Royal Park School, Salem, TN, India, March 26<sup>th</sup>, 2016.</b>
15.	K.Visagavel, <b>Career Planning after diploma in engineering , Sakthi Polytechnic College, Andhiyur Tk. Erode Dt., TN, India, Feb 26<sup>th</sup> 2016.</b>
16.	K.Visagavel, <b>Importance of Yoga and meditation in professional life, The world community service center, Aazhiyar, TN, India, November 08<sup>th</sup>, 2015.</b>
17.	K.Visagavel, <b>Publish or perish, National Level Technical Symposium, Arulmurugan College of Engineering, Thennilal, Karur, TN, India, Sep 15<sup>th</sup> 2015.</b>
18.	K.Visagavel, <b>Latest Development in Automation, ISTE Student chapter, CSI Polytechnic college, Salem, TN, India, July 07<sup>th</sup> 2015.</b>
19.	K.Visagavel, <b>Career after school, Sri Sakthi Vikaas Matric School, Valappady, Salem, TN, India, March 01<sup>st</sup> 2015.</b>

A9	Awards, Grants and Honors	
S.No	Name of the Award	
1	Received the “ <b>Life Time Achievement Award</b> ” from Local Community of AVC at Salem on 26 January 2023.	2023
2	Received the “ <b>Best Researcher Award</b> ” International Research Awards on Science and Technology, Management. INSO Awards at Chennai May 14 & 15 2022.	2022
3	Received the “ <b>ISTE-Periyar Award for Best Engineering College Teacher</b> ” 2019, 18 <sup>th</sup> December, 2019 held at PSG Institute of Technology, Coimbatore.	2019
4	Received the “ <b>Best Administrator Award</b> ” Dr.Abdul Kalam Educational Trust, Chennai, MAM Engineering College, Trichy, Oct 15, 2019	2019
5	Received the “ <b>Best HOD of the Year</b> ” Technext - 2018 CSI Chapter, IIT Bombay	2018
6	<b>Chairing A Research Session at Harvard University, USA.</b>	2015
7	Received the “ <b>Best Entrepreneurship Cell Coordinator (EDC)</b> ” award 2016 from The Society for Educational and Entrepreneurship Development (SEED) for his outstanding contribution in creating effective Institute -Industry linkages at KIOT.	2016
8	Received <b>Certificate of Merit Award for Outstanding Contribution to BNI Best chapter</b> , Salem as a Committed Member for the period Jan – Sep.	2015

9	Received <b>Best Project Supervisor Award from 1<sup>st</sup> IE(I)</b> Tamil Nadu State Centre, Students & Technicians Convention and All India Seminar on “INNOVATION, TECHNOLOGY AND KNOWLEDGE ECONOMY” on 6 <sup>th</sup> & 7 <sup>th</sup> March at Hosur, TN, India.	2015
10	Received Achievers Award from Knowledge Institute of Technology for steering KIOT Remote Centre of IITB virtual e-learning programs to Five Star Rating.	2013-14
11	Received <b>Best Project Award</b> from Adhiyamaan college of Engineering, Hosur for supervised Design and development of Hydropower car-Project by, 17- 18 March.	2014
12	Received <b>American Society of Mechanical Engineers certificate</b> for successful completion of “Computational fluid dynamics” course, June 22-26.	2013
13	Received <b>Best Student Project Award for Automatic Wall Rubbing Machine project guided</b> from ISTE, India.	2004-05
14	<b>Best Teacher Award for producing cent percent result</b> in Fluid Mechanics and Machinery Subjects at K.S.Rangasamy College of Technology, TN, India.	2003
15	Received “ <b>Prof.V.P.Muthuveerappan Prize Endowment</b> ” for scored highest mark in Heat Transfer (I & II) during M.E (Thermal Power Engg.) studies from Annamalai University, TN, India.	1998
16	Received “ <b>Dr.Sathish Prize endowment</b> ” for 1st Rank in M.E (Thermal Power Engg.) Studies from Annamalai University, TN, India.	1998
17	Received “ <b>Prof. M.Ramalingam endowment</b> ” for Best outgoing student award from Annamalai University, TN, India.	1997

<b>A10</b>	<b>Funded Details &amp; Major Contributions</b>
1.	<b>Overall Coordinator - Incubation and Start-up Cell</b> - Established the centre successfully at KIOT and framed the KIOT Innovation Start-up Policy in accordance with the National Innovation Start-up Policy (NISP), AY20-21
2.	<b>Overall Coordinator</b> for the <b>NAAC Reassessment Certification</b> Activities in Knowledge Institute of Technology, 2019-2021
3.	<b>Overall Coordinator - Entrepreneurship Development Cell</b> - Organized several programs like ETS Meet, Boot camps and Entrepreneurs Experience Sharing Sessions; Guided and developed 33 Entrepreneurs so far from KIOT
4.	<b>Overall Coordinator</b> for the <b>AICTE-ISTE Refresher Program</b> on “Online Teaching and Learning Pedagogy” and received a <b>fund of Rs. 3 lakhs from AICTE &amp; ISTE</b> for the program conduction
5.	<b>Convener</b> of the <b>Sixth National Conference “AMESHE ‘19”</b>
6.	<b>Guided and motivated students</b> to participate in <b>SAE BAJA national level contest</b> in the AY2018-19 who were <b>ranked 39<sup>th</sup> National Level and 6<sup>th</sup> State Level</b>
7.	<b>Guided and motivated a student</b> to work on <b>research projects using Drones</b> and <b>received an Appreciation award for Research and Application development of Drones &amp; supporting the BACUQ staff in application and development held in UAE Innovates summit</b> in British Applied College, Umm Al Quwain, UAE
8.	<b>Guided and enthused students</b> to participate in <b>FMAE-FSS national level contest</b> in the AY2018-19 who won <b>Runner up award and a cash prize of Rs. 50,000</b>

9.	<b>Overall NBA coordinator</b> for the college and guided four departments – MECH, ECE, EEE and CSE to successfully receive NBA accreditation, 2018
10.	<b>Department NBA Coordinator</b> – Guided the Department of Mechanical Engineering to receive NBA accreditation, 2018
11.	<b>Remote Center Coordinator</b> – Aided in <b>establishing a Remote Center for IIT Bombay</b> in Knowledge Institute of Technology and has successfully acted as a Remote Center Coordinator for <b>organizing 28 FDPs</b> so far generating <b>a fund of upto 28 lakhs</b> . In the AY18-19, 2 FDPs on Pedagogy learning and a one-day Program on Sci-lab thereby providing an opportunity for both internal and external faculty members (from nearby institutions) to develop their knowledge
12.	Interacted with several industries, procured <b>consultancy projects worth 2.5 lakhs</b> and provided meticulous guidance to complete them successfully
13.	Guided students in <b>developing their value-added skills</b> through the <b>Harita Techserv Limited associated “Center of Excellence”</b> and helped placements through the COE
14.	<b>Established IAPMO associated HVAC “Center of Excellence”</b> and guided students for development of value-added skills
15.	Visited 32 <b>polytechnic institutions</b> and <b>conducted awareness sessions on “Engineering Education and underlying Job Opportunities in the Future”</b>
16.	<b>Coordinator of Atal Tinkering Lab</b> – Visited several schools, <b>piloted cognitive sessions on “Higher Education in India and its Future”</b> and <b>inspired the students to take up Higher Education</b>
17.	<b>Promoted Knowledge Institute of Technology (2009) as one among the founder executive members of KIOT trust</b>

<b>A11</b>	<b>Universities Visited</b>
1.	University of California Institute of Technology, Los Angeles, USA.
2.	Harvard University, Boston, Massachusetts, USA
3.	University of Nevada, Las Vegas, USA
4.	University of Malaysia (UniMAP)
5.	University of Malaya, KL
6.	BITS Campus, Dubai
7.	Udayana University, Indonesia