


A1	Personal Details	
<b>Dr. K. VISAGAVEL</b>		
Principal & Professor		
Department of Mechanical Engineering		
Knowledge Institute of Technology, Salem - 637 504. India.		
Ph: +91 9790041414 & 9500941414		
Email id: <a href="mailto:principal@kiot.ac.in">principal@kiot.ac.in</a>		

A2	Areas of Interest	Thermal Engineering, IAQ / IEQ ,CFD
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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
Post Graduate	Strategy and Leadership” Executive Program	XLRi Delhi – NCR Campus	XLRi Delhi	Pursuing	-
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 Feb 2025					
Name of the Institution		Position		From		To	
Knowledge Institute of Technology, Salem		Principal & Professor		05.12.2024		Till date	
Knowledge Institute of Technology, Salem		Professor & Dean / Vice Principal		June 2021		04.12.2024	
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>	26.09 Years	<b>Teaching</b>	26.09 Years	<b>Research</b>	21.09 Years	<b>Administration</b>	22 Years

A6		Research Publications & Patents			
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
		60	2	10	90
Citations	381	h-index	9	i-index	9
<b>Publications – International / National Journals</b>					
<ol style="list-style-type: none"> <li><b>Google Scholar Profile:</b> <a href="https://scholar.google.com/citations?user=d9Hf5oIAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=d9Hf5oIAAAJ&amp;hl=en&amp;oi=ao</a></li> <li><b>Research Gate Profile:</b> <a href="https://www.researchgate.net/profile/K-Visagavel">https://www.researchgate.net/profile/K-Visagavel</a></li> <li><b>Scopus Profile :</b> <a href="https://www.scopus.com/dashboard.uri?origin=&amp;zone=TopNavBar">https://www.scopus.com/dashboard.uri?origin=&amp;zone=TopNavBar</a></li> <li><b>Vidwan Profile :</b> <a href="https://vidwan.inflibnet.ac.in/profile/283744">https://vidwan.inflibnet.ac.in/profile/283744</a></li> </ol>					
1.	V. Sivakumar, <b>K. Visagavel</b> , J. Kumaraswamy, E. Balaj, V. Khalkar, C. Gnanavel, P.R. Kalyana Chakravarthy, S. Baskar and V. Vijayan Performance study and analysis of Al <sub>2</sub> O <sub>3</sub> , Nanofluid under different flow conditions Interactions (2024) 245:213 <a href="https://doi.org/10.1007/s10751-024-02020-x">https://doi.org/10.1007/s10751-024-02020-x</a> RESEARCH Springer Nature Switzerland AG 2024 Accepted: 18 July 2024				
2.	Visagavel K Prem K In recognition of the publication of the paper entitled Developing Onsite Emergency Plan for Ensuring Safety Published In IJCRT ( www.ijcrt.org ) & 7.97 Impact Factor by Google Scholar Volume-12 Issue-7 July 2024, Date of Publication: 14-July-2024 UGC Approved Journal No: 49023 (18) PAPER ID : IJCRTAI02015 Registration ID : 265685				
3.	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				

4.	S. Suresh Balaji, S. Rangunathan, <b>K. Visagavel</b> , and S. Ganesh Kumar Design and optimization of layout problem using meta-heuristic algorithms, <i>Scientia Iranica B</i> (2022) 29(5), pages 2290-2303, doi: 10.24200/sci.2022.58011.5519
5.	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, <i>Vol 49 (03)</i> , March 2020. pp – 503-506, <i>Indian Journal of Geo Marine Sciences</i> .
6.	KS Prabhakaran and <b>K Visagavel</b> , “Performance improvement of solar powered evaporative cooler using versatile ecological balanced control technique”, <i>Microprocessors and Microsystems Vol.72</i> . Elsevier. 2020.

7.	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”, <i>Journal of Industrial Safety Engineering. Vol.2, Issue 2</i> , pages – 1-5, November 2019.
8.	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”, <i>Journal of Industrial Safety Engineering. Vol.2, Issue 1</i> , pages – 28-42, November 2019.
9.	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”, <i>Journal of Industrial Safety Engineering. Vol.3, Issue 1</i> , pages – 26-33, November 2019.
10.	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”, <i>Journal of Industrial Safety Engineering Vol.2, Issue 3</i> , pages – 12-16, November 2019.
11.	P.K.Suresh, A.Selvakumar, S.Kamalakaran, <b>K.Visagavel</b> and Dr.PSS.Srinivasan, “Fuzzy Logic Based Risk Assessment in a Tool Room”, <i>International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) Vol.4, Issue.8, ISSN (ONLINE):2456-5717</i> , pages – 93-102, August 2018.
12.	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”, <i>International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) Vol.4, Issue.8, ISSN (ONLINE):2456-5717</i> , pages – 125-130, August 2018.
13.	M.Mugesh, M.Vinothkumar, S.Kamalakaran and <b>K.Visagavel</b> , “Design & Safety Requirements of Fire Hydrant in Chemical Plant”, <i>International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) Vol.4, Issue.8, ISSN (ONLINE):2456-5717</i> , pages – 71-85, August 2018.
14.	M.Udaya Kumar, P.Vijay, S.Kamalakaran and <b>K.Visagavel</b> , “Risk and Opportunity Study in Hydrogen Generation Plant”, <i>International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST) Vol.4, Issue.8, ISSN (ONLINE):2456-5717</i> , pages – 168-172, August 2018.

15.	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.
16.	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>Crop Reaping Machine</b> ” Date of filing of Application: 15.11.2024 Publication Date : 22.11.2024 Application No. 202441088581 A The Patent Office Journal No. 47/2024 Dated 22/11/2024
2.	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
3.	Title of the invention : “ <b>Automating the Existing Cradle by Crank Rocker Mechanism</b> ” Publication Date : 11.06.2014 Application No. 2840/CHE/2014

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.	Delivered Guest Lecture on “ <b>Importance of Research and Publication Publish or Perish</b> ” at Siksha Campus Satungal, Kathmandu, Nepal on 14th Feb 2025.
2.	K.Visagavel Session chair ADMMS’25 SAE International Conference at Rajalakshmi Engineering college on Feb 7th & 8th 2025.
3.	Delivered Lecture on “ <b>Personal Effectiveness in Organizational Excellence</b> ” at Saranathan College of Engineering, Trichy at 3rd Feb 2025.
4.	K.Visagavel, conducted a workshop on “ <b>Design the Thinking</b> ” for 250 faculty members of KIOT.
5.	K.Visagavel, handled a JCOM Concurrent Session in the Topic “ <b>Startup Ecosystem in</b>

	<b>India” at the Role of Higher Educational Institutions Program</b> organized by JCI India on 29th December 2023 at Bengaluru.
6.	K.Visagavel, Inaugurated “SAE NSIT Collegiate Club” and delivered a special talk at Narasu’s Sarathy Institute of Technology on 12th May 2023.
7.	K.Visagavel “ <b>Center of Excellence in Career Development &amp; Self Discovery</b> ” program Thangam Mount Litera Zee School, Salem. April 06 2022
8.	K.Visagavel, “ <b>Unakkul Unnai Thedu</b> ” program for +2 students organized KVB School, Namakkal. March 20 2022
9.	K.Visagavel, Catalytic Talks Episode - 3 “ <b>You are the Best Change Agent</b> ” Sri Sessaas International Public School, Salem. March 09 2022
10.	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>
11.	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>
12.	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>
13.	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>
14.	K.Visagavel, <b>Technical Symposium Chief Guest at CSI Polytechnic, Salem, February 21st 2018.</b>
15.	K.Visagavel, <b>Technical Symposium Chief Guest at MIT Polytechnic, Mettur, December 8th 2017</b>
16.	K.Visagavel, <b>Recent Trends in Alternative Fuels, Udayana University, Denpasar, Indonesia, November 08th, 2017</b>

17.	K.Visagavel, <b>Need of Engineering Education, Dr.M.G.R Education committee, Gobichettipalayam, TN, India, June 10th, 2017</b>
18.	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>
19.	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>
20.	K.Visagavel, <b>Importance of sports in career, Royal Park School, Salem, TN, India, March 26<sup>th</sup>, 2016.</b>
21.	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>
22.	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>
23.	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>

24.	K.Visagavel, <b>Latest Development in Automation, ISTE Student chapter, CSI Polytechnic college, Salem, TN, India, July 07<sup>th</sup> 2015.</b>
25.	K.Visagavel, <b>Career after school, Sri Sakthi Vikaas Matric School, Valappady, Salem, TN, India, March 01<sup>st</sup> 2015.</b>

<b>A9</b>	<b>Awards, Grants and Honors</b>	
<b>S.No</b>	<b>Name of the Award</b>	
1.	Promoted as <b>Principal of Knowledge Institute of Technology</b> on 5 <sup>th</sup> Dec 2024	2024
2.	Selected as <b>Management Committee Member</b> for the period 2024-2026 by Chairperson of SAEINDIA SOUTHERN SECTION(SAEISS) announced in the SAEISS 19th Annual General Meeting 2024 conducted at Chennai	2024
3.	Received the “ <b>Leadership Award</b> ” From <b>SAEINDIA Southern Section</b> for conducting more activities in Salem Division as Chairman of the Division on 21 <sup>st</sup> October 2023	2023
4.	<b>Founding Chairman</b> of SAEINDIA SOUTHERN SECTION(SAEISS) Salem Division	2023
5.	Received the “ <b>Life Time Achievement Award</b> ” from <b>Community of AVC</b> at Salem on 26th January 2023	2023
6.	Received the “ <b>Best Researcher Award</b> ” from “International Research Awards on Science and Technology, Management” <b>INSO Awards</b> at Chennai on 14 <sup>th</sup> May 2022	2022
7.	Received the “ <b>Best Engineering College Teacher Award from ISTE</b> ” on 18th December, 2019 held at PSG Institute of Technology, Coimbatore.	2019
8.	Received the “ <b>Best Administrator Award</b> ” from <b>Dr.Abdul Kalam Educational Trust</b> , Chennai, on 15 <sup>th</sup> Oct 2019	2019
9.	Received the “ <b>Best HOD of the Year Award</b> ” from <b>CSI Chapter in TechNext-2018 at IIT Bombay</b>	2018
10.	Special Invited talk on “ <b>Recent Trends in Alternative Fuels</b> ” at <b>Udayana University, Denpasar, Indonesia</b> on 8 <sup>th</sup> November 2017	2017
11.	<b>Chaired a Session for International Conference at Harvard University, USA</b> on May 2015	2015
12.	Received the “ <b>Best Entrepreneurship Cell Coordinator (EDC)</b> ” award from “Society for Educational and Entrepreneurship Development” ( <b>SEED</b> ) for his outstanding contribution in creating effective Institute-Industry linkages at New Delhi	2015
13.	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
14.	Received <b>Best Project supervisor Award</b> from <b>1<sup>st</sup> IE(I) Tamil Nadu State Centre</b> , Students & Technical 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
15.	Received <b>American Society of Mechanical Engineers certificate</b> for Successful completion of “ <b>Computational fluid dynamics</b> ” course, June 22- 26.	2013
16.	Received “ <b>Achievers Award</b> ” from Knowledge Institute of Technology for	2013-14

	establishment and steering KIOT <b>Remote Centre of IITB</b> virtual e-learning programs to <b>Five Star Rating</b>	
17.	Received <b>Best Project award</b> from <b>ISTE</b> for supervised “Design and development of Hydropower car Project” at AEC Hosur on 18th March 2014	2014
18.	Received “ <b>American Society of Mechanical Engineers (ASME) certificate</b> ” for a successful completion of “A course on Computational fluid dynamics”	2013
19.	Promoted as Vice Principal of Knowledge Institute of Technology on 29 <sup>th</sup> April 2009	2009
20.	Promoted “ <b>Knowledge Institute of Technology</b> ” along with 40 members team as Trustee	2008
21.	Received “ <b>Best Student Project Award</b> for <b>supervising Automatic Wall Rubbing Machine project</b> ” from ISTE, India.	2004-05
22.	“ <b>Best Faculty Award</b> ” for producing cent percent result in “ <b>Fluid Mechanics and Machinery Subjects</b> ” at K.S.Rangasamy College of Technology, TN, India.	2003
23.	Promoted as “ <b>Head of the department of Mechatronics Engineering</b> ” at K.S.Rangasamy College of Technology, on 1 <sup>st</sup> June 2002	2002
24.	Received “ <b>Prof.V.P.Muthuveerappan Endowment Prize</b> ” for scored <b>highest mark in Heat Transfer (I &amp; II)</b> subjects in <b>M.E (Thermal Power Engg.)</b> studies from Annamalai University, TN, India.	1998
25.	Received “ <b>Dr.Sathish Endowment Prize</b> ” for <b>1<sup>st</sup> Rank in M.E (Thermal Power Engg.)</b> from Annamalai University, TN, India.	1998
26.	Received “ <b>Prof. M.Ramalingam Endowment Prize</b> ” for “ <b>Best outgoing student award</b> ” in <b>M.E.(Thermal Power Engg.)</b> from Annamalai University, TN, India.	1997

<b>A10</b>	<b>Funded Details &amp; Major Contributions</b>	
1.	Selected as Management <b>Committee Member</b> and Chair person of SAEINDIA SOUTHERN SECTION for the year 2024 to 2026. It was announced in the SAEISS 19th Annual General Meeting 2024 conducted at Chennai	
2.	SAE Salem Division <b>Chairman</b> , Heading the Salem Division on the April 2023.	
3.	<b>Chairing Session</b> International Conference “ADMMS23” Organized by SAEINDIA Southern section at SRM, Kattankulathur, Chennai, 27th and 28th October 2023.	
4.	<b>Director</b> – iStart (KIOT - Incubation and Start-up Cell) from 2022.	
5.	<b>Coordinator</b> AICTE IDEA (Idea Development Evaluation & Application) Lab from 2023	
6.	<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	
7.	<b>Overall Coordinator</b> for the <b>NAAC Reassessment Certification</b> Activities in Knowledge Institute of Technology, 2019-2021	
8.	<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	

9.	<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
10.	<b>Convener</b> of the <b>Sixth National Conference “AMESHE ‘19”</b>
11.	<b>Guided and motivated students</b> to participate in <b>SAE BAJA national level contest</b> in the AY2018-19 who were <b>ranked 39th National Level and 6th State Level</b>
12.	<b>Guided and motivated a student</b> to work on <b>research projects using Drones</b> and received an <b>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
13.	<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>

14.	<b>Overall NBA coordinator</b> for the college and guided four departments – MECH, ECE, EEE and CSE to successfully receive NBA accreditation, 2018
15	<b>Department NBA Coordinator</b> – Guided the Department of Mechanical Engineering to receive NBA accreditation, 2018
16.	<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 a <b>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
17.	Interacted with several industries, procured <b>consultancy projects worth 2.5 lakhs</b> and provided meticulous guidance to complete them successfully
18.	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
19.	<b>Established IAPMO associated HVAC “Center of Excellence”</b> and guided students for development of value-added skills
20.	Visited 32 <b>polytechnic institutions</b> and <b>conducted awareness sessions</b> on <b>“Engineering Education and underlying Job Opportunities in the Future”</b>
21.	<b>Coordinator of Atal Tinkering Lab</b> – Visited several schools, <b>piloted cognitive sessions</b> on <b>“Higher Education in India and its Future”</b> and <b>inspired the students</b> to take up <b>Higher Education</b>
22.	<b>Promoted Knowledge Institute of Technology (2009) as one among the founder executive members of KIOT trust</b>

<b>A11</b>	<b>Book Published</b>
1.	THERMODYNAMICS FIELD FORMULATION AND TURBULENT MODELING, COSMOS Scientific Publications, 2023 ISBN – 978-81-962332-7-3, Year of Allotment ISBN: 2023, www.cosmos.org



A12	Universities Visited
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
8.	Taylors University, INTI University, Sunway University and University Technology Petronas, Malaysia
9.	Kyorista University, Ochanmizu University, Waseda University Japan
10.	Siksha Campus Satungal, Kathmandu, Nepal