

Faculty Profile

- 1. Name** : Dr. G.Venkatachalam
2. Designation : Professor
3. Date of Birth : 03.07.1969
4. Bank A/c No. (LVB) :0751301000000280
5. PAN No. : ADCPV3948F
6. Nature of Association : Regular
7. PF No. : TN/21788/A/325
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9. E-mail ID :



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10. Contact Address & Phone No.:

1. Residential Address	D.No. 4/125, Irusanampatti, Chennagiri Post, Attayampatti Via, Salem DT 637-501.
2. Land line No. (Home)	-
3. Mobile	9442335001

11. Name of the Institution : **K.S.Rangasamy College of Technology,**
Tiruchengode – 637 215.

12. Department : Mechanical Engineering

13. ACADEMIC QUALIFICATIONS:

S. No.	School / Diploma / Degree	Board / Institution / University	Year of passing	% of marks/ points	Class	Field of Specialization
1.	Ph.D	Anna University	November 2018	-	-	Composite materials
2.	M.E	Sathyabama Institute of Science and Technology, Chennai / Sathyabama Deemed University	2005	81	First Class with Distinction	CAD
3.	B.E.	Government College of Engineering, Salem / Madras University	1998	65.3	First	Mechanical Engineering
4.	DIPLOMA	K. S. Rangasamy Institute of Technology / DOTE	1989	79	First	Mechanical Engineering
5.	HSC	Govt. Boys. Hr. Sec School, Attayampatti / State Board	1986	51.8	Second	State Board
	S.S.L.C.	Govt. Boys. Hr. Sec School, Attayampatti / State Board	1984	85	First	State Board

14. TEACHING EXPERIENCE:

S. No.	Name of the Institution	Designation	From	To	Total Experience	
					Year(s)	Month(s)
1.	K.S.Rangasamy College of Technology.	Professor	02.06.2008	Till-date	13	05
2.	K.S.R Polytechnic College	Lecturer	01.06.2005	31.05.2008	03	00
3.	K.S.R Polytechnic College	Lecturer	01.06.1998	31.05.2003	05	01

15. MEMBERSHIP IN PROFESSIONAL BODIES:

1. Life Member in Indian Society for Technical Education since 1998.
2. Life Member in Tribology Society of India (LM 5124).

16. INTERNATIONAL JOURNAL:

1. **Venkatachalam, G**, Kumaravel, A, 2017, 'Mechanical Behaviour of Aluminium Alloy Reinforced with SiC/Fly Ash/Basalt Composite for Brake Rotor', Polymers & Polymer Composites, vol. 25, no. 3, pp. 203-208. ISSN: 0967-3911 (**Annexure I**). **Impact Factor - 0.256.**
2. **Venkatachalam, G**, Kumaravel, A, 2017, 'Fabrication and Characterization of A356 - Basalt Ash-Fly Ash Composites Processed by Stir Casting Method', Polymers & Polymer Composites, vol. 25, no. 3, pp. 209-214. ISSN: 0967-3911 (**Annexure I**). **Impact Factor - 0.256.**
3. **Venkatachalam, G.** and Kumaravel, A., 2019. Experimental Investigations on the Failure of Diesel Engine Piston. Materials Today: Proceedings, 16, pp.1196-1203.
4. **Venkatachalam, G**, 2015. "Studies on Microstructure and Mechanical Properties of Modified LM25 Aluminium Alloy" International Journal of Advanced Technology in Engineering and Science, vol-03, ISSN: 2348-7550.

17. NATIONAL CONFERENCE:

1. **G.Venkatachalam**, "Aluminium Reinforced with SiC/Fly Ash/Basalt for Brake Rotor Proceedings" of the National conference on Recent Trends and Advancement in Mechanical Engineering, ANGEL College of Engineering and Technology, Tirupur. 14th April 2016.
2. **G.Venkatachalam**, "Fabrication of Connecting Rod by Using Aluminium, Basalt, Fly Ash Reinforced Composite" in the National Workshop- cum- Conference on Small Gas turbine Engines During 28th and 29th January 2016 at K.S.Rangasamy College of Technology, Tiruchengode.

18. INTERNATIONAL CONFERENCE:

1. **G.Venkatachalam**, A. Kumaravel, R.Dhanasekaran, A.Raja, , Fabrication and Characterization of A7075 - Basalt-Fly Ash Metal Matrix Composites by Stir Casting Routes International conference on Technological Advancement in Materials and Manufacturing for Industrial Environments Page. 37, March 4-5, 2016, Department of Mechanical Engineering, KPR Institute of Engineering and Technology, Coimbatore. ISBN-978-93-85477-74-4.
2. **G.Venkatachalam**, Studies on “microstructure and Mechanical Properties of Modified LM25 Alluminium Alloy” International conference on Recent Trends in Engineering Science and Management on 15 March 2015. Jawaharlal Nehru University, New Delhi. ISBN : 978-81-931039-2-0
3. **G.Venkatachalam**, Design and Fabrication of Motorized Screw Jack in Department of Science and Technology-Science and Engineering Research Board sponsored international Conference on “Innovations in Science, Engineering and Technology for Sustainable Development” (ISETSD – 2018) held on 30th & 31st March 2018.
4. **G.Venkatachalam**, attended the International Conference on Recent Innovations in Robotics, Construction and Mechanical Sciences (ICRIRCMS- 2022) through Microsoft Teams from 10.06.2022 to 11.06.2022 organized by K.S.Rangasamy College of Technology, Department of Mechanical, Mechatronics and Civil Engineering, Tiruchengode - 637215 and presented the papers in the title “Study of Mechanical Properties of Morus fiber Reinforced Polymer Composites”
5. **G.Venkatachalam**, attended the International Conference on Recent Innovations in Robotics, Construction and Mechanical Sciences (ICRIRCMS- 2022) through Microsoft Teams from 10.06.2022 to 11.06.2022 organized by K.S.Rangasamy College of Technology, Department of Mechanical, Mechatronics and Civil Engineering, Tiruchengode - 637215 and presented the papers in the title “Modeling and Performance Comparison of Wind Turbine Materials”.

19. WORKSHOP / CONFERENCE / SEMINAR PARTICIPATED / STTP / FDP

1. STTP - One week Programme on “Current Trend in Plant Automation” Sponsored by AICTE – ISTE at KSR Polytechnic College, Tiruchengode. During 28.04.2008 – 02.05.2008.
2. Six days Teachers training programme on “Instructional Design and Delivery” at K S R College of Engineering, Tiruchengode. During 08 –13 September 2008.
3. Two weeks staff development progamme on “Advances in Materials Processing” at National Institute of Technology, Tiruchy. During 30th June 2008 – 12th July 2008.
4. Two day national seminar on “Smart Materials in Industrial Automation” at Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode. During 24 – 25 March 2009.
5. Two day national seminar on “Smart Materials in Industrial Automation” at Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode. During 24 – 25 March 2009.

6. One day workshop on “Engineering Graphics Using Drafting Software” at Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode. on 22nd June 2010.
7. Two day national seminar on “Modern Manufacturing Practices” organized by the Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode. During 25-26th November 2010.
8. Two days workshop on “Pursuing Effective Research in Mechanical Engineering” organized by the Department of Mechanical Engineering, Knowledge Institute of Technology, Salem. During November 18-19, 2011.
9. Two day ISTE workshop on “Writing Effective Conference Paper” conducted by Indian Institute of Technology, Bombay on 18th and 19th February 2012.
10. Two day national seminar on “ACM Processing and Application” organized by the Department of Mechanical Engineering, Kongu Engineering College, Perundurai, Erode. On 13th July 2012.
11. One day workshop on “NANO MATERIALS” at Department of Mechanical Engineering, Institute of Road and Transport Technology, Erode. On 18th September 2012.
12. Five Days International Symposium on “MACRO-AND SUPRAMOLECULAR ARCHITECTURES AND MATERIALS” IUPAC Sponsored International Symposium on Macro-and Supramolecular Architectures and Materials (MAM -12: Nano System and Applications) held at LeMeridien, Coimbatore, India From 21-25, November 2012.
13. One day Faculty Development Training Programme on “Advanced CNC and Automation Tools” Organized by Department of Mechanical Engineering in association with MTAB Technology Center, Chennai. held on 08th December 2014.
14. One day National level workshop on “Application of Mathematical Modelling and Simulation in Engineering Problems” at Muthayammal Engineering College Rasipuram on 31st August 2017.
15. One day workshop on “J Gate-An Electronic Gate Way for Research” at K.S.Rangasamy College of Technology, Tiruchengode on 10th July 2019.
16. One day international online Webinar on “Smart Actuators for Soft Robotics System” organized by Department of Mechanical Engineering, Pallavi Engineering college, Nagole, Hyderabad on 04.08.2020.
17. Five days certificate course on “Digital teaching techniques” organized by ICT Academy, K.S.Rangasamy College of Technology, Tiruchengode from 10.08.2020 to 15.08.2020.
18. Organized and delivered a one day invited lecture on “Workshop practices on Mechanical Machineries like Lathe, Milling, Planning, Drilling, Shaping & Power Press etc.” for the TANGEDCO staff members held at K.S.Rangasamy College of Technology, Tiruchengode on 16.03.2022.

19. Acted as a chairperson for the session on 11.06.2022 – 10.30 am to 12.30 pm in the International Conference on Recent Innovations in Robotics, Construction and Mechanical Sciences (ICRIRCMS- 2022) through Microsoft Teams from 10.06.2022 to 11.06.2022 organized by K.S.Rangasamy College of Technology, Department of Mechanical, Mechatronics and Civil Engineering, Tiruchengode – 637215.

20. RESRACH ACTIVITIES

- Recognized supervisor by Anna University, Chennai

21. ACADEMIC ACHIEVEMENTS:

1. Obtained 100% result in Composite Materials during May 2014.
2. Obtained 100% result in Engineering Graphics during May 2012.
3. Obtained 100% result in Basics of Mechanical Engineering during May 2009.
4. Obtained 100% result in Machine Shop Technology during May 2007.
5. Obtained 100% result in Metrology and Machine Tool Testing during Oct 2007.

22. ADDITIONAL IN-CHARGE (EXCEPT TEACHING)

1. Department Sports In charge.
2. Class Advisor.
3. Special Machines Laboratory In charge.
4. Moodle Coordinator.
5. Department IQAC In charge.

23. PATENT APPLIED / RECEIVED

1. **G.Venkatachalam** Effect of Lithium and Zirconium additions on - LM25 alluminium cast alloy. Applied Date: 30.04.2015.
2. **G.Venkatachalam** Analysis of Mechanical Properties of LM25 in comparison with other grades of aluminium. Applied Date: 30.04.2015.

24. SUBJECT HANDLED

1. Engineering Graphics
2. Manufacturing Processes
3. Machining Process
4. Fluid mechanics and machinery
5. Composite Materials
6. Engineering Drawing.
7. Computer Aided Design.