Name	**Dr. B.SELVAM**
Contact (office)	Professor & Head Department of Mechanical Engineering M.I.E.T. Engineering College Trichy.
Email	selvam.b@miet.edu

Educational Qualifications

DEGREE	EDUCATIONAL INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
Ph.D., Mechanical Engineering	Syed Ammal Engineering College, Ramanathapuram	Anna University Chennai.	2015
M.Tech., Manufacturing Technology	National Institute of Technology, Tiruchirappalli	National Institute of Technology, Tiruchirappalli	2005
B.E., Mechanical Engineering	Anagala Amman College of Engineering and Technology, Tiruchirappalli	Bharathidasan University Tiruchirappalli	1995

Professional Career Profile

Organization	Designation	Date of Joining	Duration of work
M.I.E.T. Engineering College, Trichy	Vice Principal, Professor & Head	21.06.2023	Till date
M.I.E.T. Engineering College, Trichy	Associate Professor & Head	06.04.2022	20.06.2023
Ethiopian Institute of Technology-Mekelle, Mekelle University-Ethiopia	Assistant Professor	01.10.2016	24.08.2021
Mookambigai College of Engineering, Pudukkottai	Professor	17.12.2015	23.09.2016
Mookambigai College of Engineering, Pudukkottai	Associate Professor	01.12.2012	16.12.2015
Mookambigai CollegeofEngineering, Pudukkottai	Assistant Professor	17.02.2010	30.11.2012
Eritrea Institute of Technology, Eritrea, North East Africa	Lecturer	29.03.2008	12.02.2010

	Mookambigai College of Engineering, Pudukkottai	Lecturer	22.01.1997	25.03.2008
	Arulmigu Kallalakar Polytechnic, Melur	Associate Lecturer	03.01.1996	20.01.1997
Membership in Professional Bodies	ISTE Life Member and IE India (Member)			
Academic Areas of Interest	Fabrication and Characterization of Metal Matrix Composite, Advanced welding, Product design and development and Finite Element Analysis			
Administrative Capabilities	➢ Served and gained international exposure (7 years), ➢ Acted as a Chairperson and Developed MSc (Materials Science and Engineering) Curriculum under the Manufacturing Engineering Chair, School of Mechanical and Industrial Engineering, Mekelle University, Ethiopia. ➢ Graduate Committee member in Manufacturing Engineering chair, ➢ Successfully trained the young faculty for effective classroom management, ➢ Elevated average student scores on standardized tests by providing leadership, ➢ Involved in AICTE and NBA Activities, ➢ Coordinator for National Technical level symposium, ➢ Manufacturing Technology and Engineering Materials laboratory Manuals developed, ➢ Chief Coordinator for improving student performance, ➢ Positioned as Head of the Department ➢ Acted as Chief Superintendent and University Representative for conducting examinations of around 1500 students per session, ➢ Headed as overall laboratory in-charge of maintaining the equipment /machinery as per the university norms, ➢ Organized faculty development programs and conferences, ➢ Actively participated to counsel the students towards positive attitudes, ➢ Chairman and Secretary for the ISTE staff chapter,			

	➢ Headed for various committees such as College Day prize purchase and distribution, discipline maintenance inside the campus and enquiring for misbehaved students, ➢ Coordinator for Institute-Industry partnership cell.

LISTOF PUBLICATIONS

1. Selvam, B, Marimuthu, P, Narayanasamy, R, Senthilkumar, V, Tun, S, Gupta, M (2015),'Effect of Temperature and Strain Rate on Compressive Response of Extruded Magnesium Nano-composite", Journal of magnesium and alloys (Elsevier), vol. 3, pp.224-230.
2. Selvam, B, Marimuthu, P, Narayanasamy, R, Anandakrishnan, V, Tun, KS, Gupta, M, Kamaraj, M (2014), 'Dry sliding wear behaviour of zinc oxide reinforced magnesium matrix nano-composites', Materials and Design (Elsevier), vol. 58, pp. 475–481.
3. Selvam, B, Marimuthu, P , Narayanasamy, R, Senthilkumar, V, Tun, KS, Gupta, M, (2015), 'Study of flow behaviour on zinc oxide reinforced magnesium nano-composite under hot compression, International Journal Applied Engineering Research, vol. 10, no. 55, pp. 3956- 3960.
4. Selvam, B, Marimuthu, P, Narayanasamy, R, Senthilkumar, V, Tun, KS, Gupta, M (2015), 'Development of a constitutive model for predicting high temperature flow stress of magnesium-zinc oxide composite, International Journal of Applied Engineering Research, vol. 10, no. 55, pp. 3971-3974.
5. Selvam, B & Singh, AP (2011), "Densification and Deformation Behavior of Sintered P/M Zinc-Zinc Oxide Composite during Cold Upsetting", Jordan Journal of Mechanical and Industrial Engineering, vol.5, no.5, pp. 447-450.
6. Jerry Andrews Fabian, S, Selvam, B (2014), " Densification behaviour of Aluminium reinforced with Tungsten Carbide particulate Metal Matrix Composite processed by P/M", IOSR Journal of Mechanical and Civil Engineering, vol. 4, pp. 24-29.

7. Jerry Andrews Fabian, S, Selvam, B (2015), "Experimental Investigation of Densification and Mechanical Behaviour on Aluminium Reinforced With WCp Metal Matrix Composite Prepared by Powder Metallurgy", IOSR Journal of Mechanical and Civil Engineering, vol. 6,no. 2, pp. 1-11.
8. Deepakaravind,V, KumaraGurubaran, Selvam, B, SenthilKumar,T (2015), "Investigation of Mechanical Properties on Nano-Alumina and Nano-Silicon Carbide in Reinforced Hybrid LM25 Composite" Journal of Chemical and Pharmaceutical Sciences, vol. 974, no.6, pp. 195-198.
9. Ramaswamy, R, Marimuthu,P, Selvam, B (2016), "An Overview on Mechanical Properties of Particulate Reinforced Ti6al4v Metal Matrix Composites" ARPN Journal of Engineering and Applied Sciences, vol 11, no.9, pp. 6066-6069.
10. Ramaswamy, R, Selvam, B, Marimuthu,P, Elango, N, (2018), "Investigation of Densification Behaviour on Yttrium Oxide Reinforced Ti-6Al-4V Nano-composite Through Powder Metallurgy", International Journal of Mechanical and Production Engineering Research and Development. vol.8,no.2, pp.433-442.
11. Selvam B, Maria Jude M, Maheshwaran M, Manikandan A, Idayavarman S, (2018). Effect of Nano-Magnesium Oxide and Graphite Particles on Mechanical Properties of LM09 Hybrid Composites Fabricated by Stir Casting. International Research Journal of Materials Science and Engineering, 4(1): 040-046.
12. Ramaswamy, R, Selvam, B, Marimuthu, P, Elango, N, (2018). Influence of yttrium oxide nanoparticles in Ti6Al4V matrix on Compressive and hardness behaviour. International Journal of Mechanical and Production Engineering Research and Development. vol.9, no 9., pp.1140-1146.
13. Ramaswamy, R, Marimuthu, P, Selvam, B, (2019). Experimental Investigation of Wear Behaviour on Sintered Ti6Al4V/Yttrium Oxide Nano-Composite. International Journal of Mechanical and Production Engineering Research and Development. vol.9 no 3., pp.1363-1370.

Conference: International

1. Selvam B, 2006, 'Densification and Deformation Behavior of Sintered P/M Zinc-Zinc Oxide Composite during Cold Upsetting 'International Conference on RAMP 2006.

2. Jerry Andrews Fabian, S, Selvam, B " Densification behaviour of Aluminum reinforced with Tungsten Carbide particulate Metal Matrix Composite processed by P/M" ICRTEM 2014-Internation conference.

Conference: National

1. Selvam, B & Marimuthu, P 2012, 'An Overview of the influence of Machining Parameters on the Machinability of Particulate Reinforced Al/SiC and Titanium Metal Matrix Composites', Proceedings of the CSIR and DRDO sponsored Conference on Advanced Materials and Processing Technologies, PRIST, pp. 16-19.

2. B Selvam, 2022, "Experimental investigation of Mechanical Properties on silicon carbide-aluminium oxide reinforced LM25 matrix hybrid composite", Advances in Materials, Manufacturing, Thermal Sciences, Karpagam Academy of Higher Education.

NPTEL/ SEMINAR/WORKSHOP/TRAINING PROGRAM
NPTEL: Duration: 8 weeks

Sl. No	NPTEL course	Duration	% of Marks
1.	Principles of casting technology	8 weeks(January to March 2023)	66

Duration: Two weeks

Sl. No	Name of the programme	Title of workshop/FDP	Organized by Date of programme	Date of programme
1.	Staff Development Programme	Processing and Applications of Advanced Composite Materials	AICTE and St. Joseph's College of Engineering, Chennai.	7 th - 19th November, 2011
2.	FDP	Finite Element Analysis	Anna University, Chennai & B.S.Abdur Rahman Cresent Engineering College, Chennai.	11th - 23 rd June, 2007
3.	STP	Advances in Welding Technology	AICTE and Mookambigai College of Engineering, Keeranur.	3 rd - 14th December, 2007

Duration: one Week

Sl. No	Name of the programme	Title of workshop/FDP	Organized by date of programme	Date of programme
1.	FDP	Computer Aided Manufacturing	Anna University, Chennai & Sri Krishna College of Engineering and Technology, Coimbatore.	21st - 26 th November, 2005
2.	FDP	Production Management	Anna University of Technology, Coimbatore & KPR School of Business.	03 rd - 09 th September, 2011
3.	FDP	Entrepreneurship for Technology Startups	Indian Institute of Science, Bangalore.	18 th - 22 nd April, 2016

Duration: Less than one week

Sl. No	Name of the programme	Title of workshop/FDP	Organized by date of programme	Date of programme
1.	Workshop	Advanced Composite and Materials & Their Applications	MSVR Engineering College, Hyderabad.	2 nd - 4th November, 2006
2.	Workshop	Accreditation Awareness Programme	AICTE ad Bannari Amman Institute of Technology, Sathyamangalam.	27th January, 2007
3.	Workshop	Entrepreneurs Recent Trends and Research in Mechanical Engineering	Syed Engineering Ammal College, Ramanathapuram.	8th October, 2011
4.	FDP	Faculty Development Programme	Adaikalamatha Institute of Management, Thanjavur.	20th - 23rd , November, 2006