DC Members - Affiliated to Anna University DC MEMBER DETAILS - 2		
Name with full address		**Area of specialization**
Name	Dr.V. DHINAKARAN	Welding, Additive Manufacturing, Heat and fluid flow
Designation	Professor	
Department	Mechanical Engineering	
Name of the Organization/Institution	Chennai Institute of Technology	
Place	Kundrathur, Chennai	
Pincode	600 069	
Whether affiliated to Anna University	**Yes**	
Mobile	9941617332	
E-Mail	dhinakaranv@citchennai.net	

List of publications for last 5 years	
1.	Chalawadi, Damodar, Subramanian PalaniKumareshBabu, and **VeemanDhinakaran**. "Experimental Investigation of TIG Welded Additive Manufactured Inco-718 Sheets." Materials Research 23, no. 2 (2020).(**SCIE**)
2.	Arunkumar, Muthusamy, **VeemanDhinakaran**, NallathambhiSivashanmugam, and Vijay Petley. "Effect of Plasma Arc Welding on Residual Stress and Distortion of Thin Titanium Sheet."Materials Research 22, no. 6 (2019). (**SCIE**)
3.	Subhash, N., **V. Dhinakaran**, and T. Jagadeesha. "Finite Element Modelling of Cutting Forces in Turning of Ti–6Al–4V Alloy."In Advances in Industrial Automation and Smart Manufacturing, pp. 439-446(2020).Springer, Singapore.
4.	Nagesha, B. K., **V. Dhinakaran**, M. Varsha Shree, KP Manoj Kumar, and T. Jagadeesha. "A review on weldability of additive manufactured titanium alloys." Materials Today: Proceedings (2020).
5.	**Dhinakaran, V**., and T. Jagadeesha. "Mechanical and Tribological Properties of Al–Mg–SiC Metal Matrix Composite for Pistons of Two-Stroke Engine." In Advances in Industrial Automation and Smart Manufacturing, pp. 673-683(2020). Springer, Singapore.
6.	Arunkumar, M., **V. Dhinakaran**, and N. Siva Shanmugam. "Numerical prediction of temperature distribution and residual stresses on plasma arc welded thin titanium sheets." International Journal of Modelling and Simulation (2019): 1-17.
7.	Stalin, B., **V. Dhinakaran**, M. Ravichandran, K. Sathiya Moorthi, and J. Vairamuthu. "Fracture Analysis of C-Stringer and Hat Stringer on the Load Carrying Vehicle." In Advances in Industrial Automation and Smart Manufacturing, pp. 47-55(2020). Springer, Singapore.
8.	Kolekar, Shreedhar, **V. Dhinakaran**, T. Jagadeesha, and Choi Seung Bok. "Design, Fabrication and Testing of Magnetorheological Damper System for Machine Tool Application." In Advances in Industrial Automation and Smart Manufacturing, pp. 13-31(2020). Springer, Singapore.

9.	Agarwal, Rahul**, V. Dhinakaran**, and T. Jagadeesha. "Fatigue analysis of similar and dissimilar spot welds." In AIP Conference Proceedings, vol. 2283, no. 1, p. 020055. AIP Publishing LLC, 2020.
10.	**Dhinakaran, V**., K. V. Surendar, MS Hasunfur Riyaz, and M. Ravichandran. "Review on study of thermosetting and thermoplastic materials in the automated fiber placement process." Materials Today: Proceedings (2020)
11.	**Dhinakaran, V**., M. D. Vijayakumar, G. Muthu, and T. Sathish. "Experimental investigation of hybrid fibre reinforced polymer composite material and its microstructure properties." Materials Today: Proceedings (2020).
12.	**Veeman, Dhinakaran**, T. Sathish, Vijay Petley, and Gokulakrishnan Sriram. "EXPERIMENTAL INVESTIGATION ON PLASMA ARC WELDED Ti64 SHEETS." Transactions of the Canadian Society for Mechanical Engineering ja (2019). (**SCIE**)
13.	S. Dineshkumar, Shrinidhy Sriram, R Surendran, **V. Dhinakaran** "Experimental Investigation of Tensile Properties of Ti-6Al-4V alloy at Elevated Temperature" International Journal of Recent Technology and Engineering 8, no.1S2 (2019): 103-107.
14.	**Dhinakaran, V**., N. Siva Shanmugam, K. Sankaranarayanasamy, and R. Rahul. "Analytical and numerical investigations of weld bead shape in plasma arc welding of thin Ti-6al-4v sheets." Simulation 93, no. 12 (2017): 1123-1138. (**SCIE**)
15.	**Dhinakaran, V**., N. Siva Shanmugam, and K. Sankaranarayanasamy. "Experimental investigation and numerical simulation of weld bead geometry and temperature distribution during plasma arc welding of thin Ti-6Al-4V sheets." The Journal of Strain Analysis for Engineering Design 52, no. 1 (2017): 30-44. (**SCIE**)
16.	**Dhinakaran, V.,** N. Siva Shanmugam, and K. Sankaranarayanasamy. "Some studies on temperature field during plasma arc welding of thin titanium alloy sheets using parabolic Gaussian heat source model." Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science 231, no. 4 (2017): 695-711. (**SCIE**)