



DEPARTMENT OF MECHANICAL ENGINEERING

Details of Ph.D Scholars under Pondicherry University Regulations

Sl. No	Name of the Research Scholar	Year of Ph.D Reg	Category	Supervisor	Research Title	Status
1	Mr.A.Jeyachandran	2017	Part –Time (Internal)	Dr.V.S.K.Venkatachalapathy	Cryogenic Treatment On Tribological Properties And Machinability For Hybrid Metal Matrix Composites.	Two DC Meeting Completed
2	Mr.R.Ravi Kumar	2017	Part –Time (External)	Dr.V.S.K.Venkatachalapathy	Cryogenic Treatment On Aluminum Based Hybrid Metal Matrix Composites	One DC Meeting Completed
3	Mr.Jagadish Chandra Bose	2017	Full-Time	Dr.A.Thiagarajan	Hydrothermal Characterization Of Advanced Polymer Foam Cored Nano Composites Structure	Preparing Thesis Report
4	Mr.A.Giriprasath.	2018	Part –Time (Internal)	Dr.K.Velmurugan	Additive Manufacturing.	One DC Meeting Completed
5	Mr. K.Sithananthan.	2018	Part –Time (Internal)	Dr.A.Thiagarajan	Experimental investigation on the performance of PVC foam core sandwich composite.	Two DC Meeting Completed
6	Mr.A.Ravikumar	2019	Full-Time	Dr.K.Velmurugan	Experimental investigation on influence of Nano particles in SS304 nanocomposite through Powder Metallurgy route”	Waiting for Synopsis
7	Mr.K.Oudayakumar	2020	Part-Time - Internal	Dr.V.S.K.Venkatachalapathy	Composite Material	DC constituted

Dean Research

Director cum Principal



Details of Awarded Ph. D Candidates in the Department of Mechanical Engineering, SMVEC
Pondicherry University

Sl. No	Name of the Research Scholar & Year of Reg	Category	Supervisor	Research Title	Year of Ph.D Awarded
1	Mr.D.Boopathi 2018	Part –Time (External)	Dr.K.Velmurugan	Experimental investigation on performance, combustion and emission characteristic of a single cylinder diesel engine fueled with prosopis juliflora seed oil.	18-08-2023 (2023)
2	Mr.E.Manikandan 2016	Part –Time (Internal)	Dr.K.Velmurugan	Heat Transfer Analysis on Fractal Tree Micro Channels on Rectangular Heat Sinks Using Nano-Fluids	15-03-2024 (2024)
3	Mr.S. Narayanan 2016	Part –Time (Internal)	Dr.G.G.Sozhamannan	“Studies On Machining Characterization of Nano Graphene Oxide Reinforced Metal Matrix Composites”	10-04-2024 (2024)
4	Mr.S. Ravindran 2018	Part –Time (Internal)	Dr.G.G.Sozhamannan	An experimental study on drilling of vinyl ester based banana an jute natural fibre composites.	24-01-2024 (2024)
5	Mr.D.Karunakaran 2016	Part –Time (Internal)	Dr.V.S.K.Venkatachalapathy	Analysis Of Microstructure and Its Effect on the Mechanical Properties Of Cu-Al Intermetallic Welded Region By FSSW Process	26-07-2024 (2024)
6	Mr.P.Jayakumar 2016	Part –Time (Internal)	Dr.K.Velmurugan	Characterization And Optimization of Al 7075/Tic Metal Matrix Composites by CNC Turning Process Using RSM Method	01-08-2024 (2024)
7	Mr.Kota Venkateswarlu 2016	Part-Time (External)	Dr.V.S.K.Venkatachalapathy	Diagnosing Railway Wheel Conditions with the Aid of Artificial Intelligent Techniques.	10-01-2025 (2025)
8	Mr.N.Satish Kumar. 2018	Part –Time (External)	Dr.G.G.Sozhamannan	Experimental studies on optimization of process parameters on machining of graphene reinforced with magnesium based composites using abrasive jet machine	26-03-2025 (2025)
9	Mr.R.Hemanth kumar 2016	Part –Time (Internal)	Dr.V.S.K.Venkatachalapathy	Experimental Investigation Of Electroless Nickel;- Phosphorous Coated Hybrid Aluminum Matrix Composites (EN-HAMC)	17-07-2026 (2026)



Details of Awarded Ph. D Candidates Under SMVEC Regulation

Sl. No	Name of the Research Scholar & Year of Reg	Category	Supervisor	Research Title	Year of Ph.D Awarded
1	T.Pradeesshma 2021	Full Time	Dr. R. Raju	Intelligent Resource optimization techniques in software defined networks	Ph.D Awarded (23-12-2025)
2	K. PUSHPA 2021	Part Time (External)	Dr. S. Jayakumar	Experimental investigation on Recycled aggregate using steel fibers and titanium dioxide	Ph.D Awarded (06-04-2026)