

# St. Joseph's College of Engineering

OMR, Chennai - 119

## Department of Mechanical Engineering

### Details of completed Research scholars

**Supervisor Name: Dr. Vaddi Seshagiri Rao**

S.No	Name of the Scholar	Research Topic	Supervisor / Joint Supervisor	Date of Completion	Academic Year	University
1.	Mr. Ananthabadmanadan D	Studies on friction weldability of low carbon steel with stainless steel and aluminium with copper	Dr Vaddi Seshagiri Rao	JUNE 2012	12-13	Sathyabama University
2.	Mr. Krishna Sastry KV	Modelling and analysis of drilling characteristics of CFRC composite material	Dr Vaddi Seshagiri Rao	18.4.2015	14-15	Sathyabama University
3.	Mr. S.Ravi kumar	Experimental investigation and analysis of friction stir welding of dissimilar age hardenable aluminium alloys between AA6061-T651 and AA7075-T651	Dr Vaddi Seshagiri Rao	2016	15-16	Sathyabama University

4.	Mr. D. Vijayan	OPTIMISATION OF FRICTION STIR WELDING PROCESS PARAMETERS OF AGE HARDENABLE ALUMINIUM ALLOYS	Dr Vaddi Seshagiri Rao	7.9.2017	17-18	Sri Chandrasekharendra Saraswathi Viswa MahaVidyalaya
5.	Mr. R.Sathish	An investigation of post treated dissimilar friction welded joints under cryogenic and critical temperature	Dr Vaddi Seshagiri Rao	7.11.2017	17-18	Sri Chandrasekharendra Saraswathi Viswa MahaVidyalaya
6.	Mrs. S.M.Mullaikodi	Mechanical and machinability studies on hybrid Fiber reinforced polymer composites under Static and dynamic conditions	Dr Vaddi Seshagiri Rao	14.6.2020	20-21	ANNA UNIVERSITY
7.	Mr. R.Venkatesh	Studies on mechanical and wear properties of nano particle reinforced metal matrix composites	Dr Vaddi Seshagiri Rao	21.7.2021	21-22	Sathyabama University

### Supervisor Name: Dr. S.Arivazhagan

S.No	Name of the Scholar	Category (FT / PT)	Research Topic	Supervisor / Joint Supervisor	Date of Completion	Academic Year	University
1.	Mr. P. Chandramohan	PT	Studies on influence of nozzle parameters and swirl on heat transfer in multi jet impingement cooling	Dr. S. Arivazhagan	11.12.2018	18-19	Anna University
2.	Mr. G.M.Linous Leo	PT	Studies on hcci di engine using gasoline premixed waste cooking oil	Dr. S. Arivazhagan	12.9.2019	19-20	Anna University
3.	Mr.P.Thamizhvalavan	PT	Studies on machinability and surface characterisation of aluminium hybrid metal matrix composites by abrasive water jet machining	Dr. S. Arivazhagan	8.10.2020	20-21	Anna University

**Supervisor Name: Dr. N. Arunkumar**

<b>S.No</b>	<b>Name of the Scholar</b>	<b>Category (FT / PT)</b>	<b>Research Topic</b>	<b>Supervisor / Joint Supervisor</b>	<b>Date of Completion</b>	<b>Academic Year</b>	<b>University</b>
1.	Mr. Jegadeesan A J	PT	Development of an integrated evolutionary model in manufacturing	Dr. N. Arunkumar	10.07.2015	15-16	Anna University
2.	Mr.Selvam R	PT	Investigation on dynamic and machining characteristics of hybrid laminated composites for machine tool manufacturer	Dr. N. Arunkumar	26.12.2016	16-17	Anna University
3.	Mr.Senthilkumar R	PT	Low cycle fatigue behaviour of nanoscale aluminum alloy composite	Dr. N. Arunkumar	18.2.2017	16-17	JNTU

4.	Mr.Ravikumar E	PT	Studies on friction welding of Similar and dissimilar metals with aluminium AA6061-T6	Dr. N. Arunkumar	19/07/ 2019	19-20	Sathyabama University
5.	Mr.Thiyagu M	PT	Investigation on and Texturing of Cutting Tool Inserts Using Smart Fluids for Turning Duplex Stainless Steel	Dr. N. Arunkumar	14.11.2019	2019-2020	Anna University
6.	Mr.A. Thanikasalam	PT	Studies on deep hole drilling of AISI steel using different cooling methods	Dr. N. Arunkumar	19.6.2020	20-21	Anna University
7.	Mr.T.Balamurugan	PT	Investigation of many-to-many inventory routing problem to minimise the total cost and the amount of CO <sub>2</sub> emission in the network	Dr. N. Arunkumar	16.6.2020	20-21	Anna University
8.	Mr.Arun M	PT	EXPERIMENTAL INVESTIGATION ON DRILLING OF AISI 316 AND AISI 304 STAINLESS STEELS USING COATED TOOLS	Dr. N. Arunkumar	10.12.2021	21-22	Anna university
9.	Mrs.Prasanna Iyer	PT	Machinability study and analysis of polymer composites	Dr. N. Arunkumar	22.11.2022	22-23	Anna university
10.	Mr.Ramesh S	PT	Cellular manufacturing layout design using heuristic clustering algorithm and optimisation model	Dr. N. Arunkumar	28.11.2022	22-23	Anna university

**Supervisor Name: Dr. K .M.Kumar**

<b>S.No</b>	<b>Name of the Scholar</b>	<b>Category (FT / PT)</b>	<b>Research Topic</b>	<b>Supervisor / Joint Supervisor</b>	<b>Date of Completion</b>	<b>Academic Year</b>	<b>University</b>
1.	Mr.R.Prabhu	PT	Characterisation studies on Kevlar epoxy polymer composites reinforced by shape memory alloy in sheet and wire form	Dr.K.M.Kumar	10.6.2022	22-23	Anna university