

## **BRIEF RESUME**



- 1. Name** : **Dr. Vaddi Seshagiri Rao**  
PROFESSOR and PRINCIPAL,  
St. Joseph's College of Engineering,  
Old Mahabalupuram Road, Sholinganallur,  
Chennai 600119
- 2. Email(s)** : principal@stjosephs.ac.in, raosvaddi@gmail.com
- 3. contact number(s)** : 9444069916, 044 24503237, 044 22600609
- 4. Date of Birth** : 16-07-1967
- 5. Academic Qualification** :
- **Ph.D.** in Mechanical Engineering, 2005, Jawaharlal Nehru Technical University, Hyderabad (Thesis: Design and Analysis of Multi-Function Control Robotic System).
  - **M.E.** in Mechanical Handling, 1994, Andhra University, Visakhapatnam, AP.
  - **B. Tech.** in Mech. Engineering, 1989, Acharya Nagarjuna University, AP.
  - **MBA** (Operations Management), 2009, IGNOU, New Delhi

### **6. Work experience:**

<b>S. No.</b>	<b>Positions held</b>	<b>Name of the Institute</b>	<b>From</b>	<b>To</b>
1.	Principal	St. Joseph's College of Engineering	01-04-2014	Till date
2.	Professor & Head	St. Joseph's College of Engineering	01-06-2008	31-04-2014
3.	Professor	St. Joseph's College of Engineering	01-06-2005	31-05-2008
4.	Assistant Professor	St. Joseph's College of Engineering	01-06-1997	31-05-2005
5.	Lecturer	St. Joseph's College of Engineering	08-06-1995	31-05-1997
6.	Lecturer	Bharath Engineering College, Chennai	08-12-1994	07-06-1995

## 7. Industrial Experience:

S. No.	Name of the organization	Designation	Nature of work	No. of years
1	PRAGA Tools – Hyderabad	Trainee	Sub – Assembly of Surface Grinding Machine and Milling Machine	Six months
2	B.H.E.L - Hyderabad	Project Asst	Indigenization of Gas turbine frame -6 type	1
<b>Total no. of years</b>				<b>1.5 years</b>

## 8. Research Information

Papers in Journals	:	52 (International: 48 and National: 04)
Papers in Conferences	:	18 (International: 06 and National: 12)
No. of Ph.D's guided	:	07 (05 in Progress)
M.E/M.Tech Projects Guided	:	05

## 9. International Journals:

- Hemanth, D.J., Rajinikanth, **Vaddi Seshagiri Rao**, Samaresh Mishra, Naeem M. S. Hannon, R. Vijayarajan & S. Arunmozhi (2021) **“Image fusion practice to improve the ischemic-stroke-lesion detection for efficient clinical decision making”**. Evol. Intel. <https://doi.org/10.1007/s12065-020-00551-0>.
- Abirami D., Shalini N., Rajinikanth V., Lin H., **Vaddi Seshagiri Rao** (2021) **“Brain MRI Examination with Varied Modality Fusion and Chan-Vese Segmentation”** Satapathy S., Zhang YD., Bhateja V., Majhi R. (eds) Intelligent Data Engineering and Analytics. Advances in Intelligent Systems and Computing, vol 1177. pp 671-679, Springer, Singapore. [https://doi.org/10.1007/978-981-15-5679-1\\_65](https://doi.org/10.1007/978-981-15-5679-1_65).
- R Venkatesh, **Vaddi Seshagiri Rao**, SM Mullaikodi (2020), **“Analysis and Optimization of Abrasive water Jet Machining processes on the hybrid nano particle reinforced Aluminum alloy matrix composite material”**, IOP Conference Series: Materials Science and Engineering, Volume 923, Issue1 , Pages 01-20.
- KMB Karthikeyan, J Vijayanand, K Arun, **Vaddi Seshagiri Rao** (2020), **“Thermophysical and wear properties of eco-friendly nano lubricants”** Materials Today: Proceedings 10.1016/j.matpr.2020.07.128.
- Seifedine Kadry, Venkatesan Rajinikanth, Seungmin Rho, Nadaradjane Sri

Madhava Raja, **Vaddi Seshagiri Rao**, Krishnan Palani Thanaraj (2020), **“Development of a Machine-Learning System to Classify Lung CT Scan Images into Normal/COVID-19 Class ”**, arXiv preprint arXiv:2004.13122, 2020/4/24.

- G Kasirajan, Sathish Rengarajan, GR Raghav, **VS Rao** , KJ Nagarajan, (2020), **“Tensile and wear behaviour of friction stir welded AA5052 and AA6101-T6 aluminium alloys: effect of welding parameters ”**, Metallurgical Research & Technology, Volume 117, Issue 4, Pages 405 Publisher EDP Sciences.
- S.M Mullaikodi, K Shanmugasundaram, **Vaddi Seshagiri Rao**, Sathish Rengarajan (2019), **“Synthesis, characterization and machinability studies on thin hybrid composites with SiC nano particles”**, Materials Research Express, Volume 6, Issue 6, IOP Publishing
- R Venkatesh, **Vaddi Seshagiri Rao** (2018), **“Thermal, corrosion and wear analysis of copper-based metal matrix composites reinforced with alumina and graphite ”**, Defence Technology, Volume 14, Issue 4, Pages 346-355, Publisher Elsevier.
- D Vijayan, **V Seshagiri Rao** (2018) , **“ Process Parameter Optimization in TIG Welding of AISI 4340 Low Alloy Steel Welds by Genetic Algorithm”**, IOP Conf. Series: Materials Science and Engineering 390 (2018) 012066 doi:10.1088/1757-899X/390/1/012066.
- S.M Mullaikodi, K Shanmugasundaram, **Vaddi Seshagiri Rao** (2018), **“Mechanical property evaluation and optimisation of K/G/C FRP composites with Aluminum oxide as filler material ”** Taga Journal. Vol.14, Page No .1906-1913.
- D Vijayan, **VS Rao** (2017), **“Optimization of friction stir welding process parameters using RSM based Grey–Fuzzy approach”** Saudi Journal of Engineering and Technology, Volume 2, Issue 1, Pages 12-25.
- R Sathish, **Vaddi Seshagiri Rao** (2018), **“Mechanical and Metallurgical Properties of Dissimilar Friction Welded Aluminum Alloys Under Sub-Zero Temperature”**, Journal of Chinese society of Mechanical Engineers, Volume 37, Issue 5, Pages 449-456.
- R Venkatesh, **Vaddi Seshagiri Rao**, Richie Allen Vaz, (2016), **“Wear Analysis on Titanium Powder coated Copper alloy Substrate”**, International Journal on Recent Technologies in Mechanical and Electrical Engineering, Volume 3, Issue 8, Pages 01-04.

- D Vijayan, V Seshagiri Rao, (2016), “**Parametric optimization of friction stir welding process of age hardenable aluminum alloys– ANFIS modeling**” *Journal of Central South University*, Volume 23 Issue 8, Pages 1847-1857.
- R Venkatesh, N Arunkumar, Vaddi Seshagiri Rao, Vincent Basil (2016) “**Synthesis and Characterization of Sic-Mg-Gr Nano Crystalline Reinforced Aluminium Matrix Composite and Analyis of Its Machinability Characteristics**”, *International Journal on Recent Technologies in Mechanical and Electrical Engineering* Volume 3, Issue 2, Pages 10-16.
- Rengarajan Satish, Vaddi Seshagiri Rao, Dattaguru Ananthapadmanaban, Balappa Ravi (2016), “**Tensile strength and hardness correlations with microscopy in friction welded aluminium to copper**” *Journal of The Institution of Engineers (India): Series C* ,Volume 97, Issue1, Pages 121-126.
- R Venkatesh, Vaddi Seshagiri Rao (2016), “**The Preparation of Al-SiC Metal Matrix Composite and Evaluation of its Properties**” *International Journal of Innovations in Engineering and Technology* Volume 6 Issue 9, Pages 319-325.
- R Venkatesh, VS Rao (2018), “**Thermal, corrosion and wear analysis of copper-based metal matrix composites reinforced with alumina and graphite**” *Defence Technology* 14 (4), 346-355
- Seshagiri Rao. V & D. Vijayan (2016), “**Tensile Properties Improvement on Friction Stir Welded Age-Hardenable Aluminum Alloys: An Evolutionary Approach using RSM based GA and SA**”, *Revista Tecnica De La Facultad De Ingenieria Universidad Del Zulia*, Pages 55-70.
- Seshagiri Rao. V & R. Satish. (2016), “**Mechanical and Metallurgical Characterization of Dissimilar weld Joints Using Continuous Direct Drive Friction Welding**”, *Engineering Transactions*, Vol. 64, pages 241-252.
- Seshagiri Rao. V & D. Vijayan (2015), “**Parametric optimization of age hardenable aluminum alloys using TGRA coupled with PCA**”, *Applied Mechanics & Materials*, Vol. 813-814, Pages 613-619.
- Seshagiri Rao. V and Venkatesh. R (2015), “**Wear Ananlysis on Silicon Carbide Coated HSS Pin on SS Disc Substrate**”, *Procedia Materials Science* (10), Pages 644-650.
- Seshagiri Rao. V and Aldrin Sugin (2015), “**Fabrication of Aluminium Fly ash metal Matrix Composites with Activated carbon and Characterization of mechanical properties**”, *International Journal of Applied Engineering Research*

ISSN0973-4562 Vol. 10 No. 11, Pages 10440 -10444.

- Seshagiri Rao. V & R.Sathish. (2014), **“Corrosion Studies on Friction Welded Dissimilar Aluminum Alloys of AA7075-T6 and AA6061-T6”** International Electrochemical Science, Vol-9, Pages -4104- 4113.
- Seshagiri Rao. V & D.Vijayan. (2014), **“Friction Stir Welding of Age-Hardenable Aluminum Alloys: A parametric Approaches using RSM Based GRA coupled with PCA”** Journal of institute of Engineering India, Vol-95, Pages-127-141.
- Seshagiri Rao. V & D.Vijayan. (2014), **“A Parametric Optimization of FSW Process using RSM Based GRA Approach”**, International Review of Mechanical Engineering, Vol-8, No.2.
- Seshagiri Rao. V & D.Vijayan. (2014), **“A Multi Response Optimization of tool pin Profile on the Tensile Behavior of Age-hardenable Aluminum Alloy during Friction Stir Welding”** Research Journal of Applied Sciences, Engineering and Technology, Vol-7, Pages- 4503-4518.
- Seshagiri Rao. V, & Jessy K, Sathis Kumar. (2014), **“Influence of Different Cooling Methods on Drill Temperature in Drilling GFRP”** International Journals of Advanced Manufacturing Technology, Vol- 74,
- Seshagiri Rao. V and K.V. Krishna Sastry. (2014), **“Experimental Analysis of Hole Ovality in Drilling of Carbon-Carbon Composites”** International Journal of Applied Mechanics and Materials, Vol-592-594, Pages-294-301.
- Seshagiri Rao. V and K.V. Krishna Sastry. (2014), **“Multi Response Optimization of Carbon – Carbon (c/c) Drilling Parameters by using Grey Theory Technique”** International Journal of materials research, Vol-936, Pages-1801-1808.
- Seshagiri Rao. V and K.V. Krishna Sastry. (2014), **“Determination and Analysis of Optimal Drilling Conditions of Carbon-Carbon Composite using Deng’s Grey Theory”** Indian Journal of Engineering, Vol-10, Pages-92-100
- Ravikumar. S, SeshagiriRao. V and Pranesh. R.V. (2014), **“Effect of process parameters on mechanical properties of friction stir welded dissimilar materials between AA6061-T651 and AA7075T651 alloys”** International Journal of Advanced Mechanical Engineering, Vol -4,No -1, pages-101-114, ISSN 2250-3234, Research India Publications.
- Ravikumar. S, SeshagiriRao. V and Pranesh. R.V.(2014), **“Multiple Response Optimization with Grey Relational Analysis of Friction Stir Welding Parameters in Joining Dissimilar Aluminium Alloys by Taguchi Method”** in International Journal "Applied Mechanics of Materials" Applied Mechanics and

Materials Vols. 592-594 (2014) pp 555-559 © (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.592-594.555,Serial No-1434, ISSN 1660-9336. (Annexure –II - SCOPUS (SJR 0.125, SNIP 0.239 - as on 2012).

- Ravikumar. S, Seshagiri Rao.V, Prakash.S and Vishnu.R.C. (2014), “**Mathematical Modeling and Analysis of Tensile strength and Hardness for Dissimilar Friction Stir Welded aluminium alloys through Response Surface Methodology**”, International Journal of Manufacturing Technology and Research, Research Promotion Cell, University Polytechnic, GLA University, Mathura, Vol.10 ,No.1 Jan-June 2014/ pp. 59-67, ISSN- 0973-0281.
- Seshagiri Rao. V and K.V. Krishna Sastry, “**Parametric Optimization of CFRC Composite Drilling HSS Drill using Grey Relational Analysis**”, Int. J. of Innovative research in Science, Engineering and Technology, Vol.2, Issue 9, pp. 4368 to 4378, September 2013.
- Seshagiri Rao. V and K.V. Krishna Sastry, “**Minimization of Delamination Factor in Drilling of Reinforced Carbon-Carbon (RCC) Composite Material by Applying Taguchi Method**”, International Journal of Engineering and Advanced Technology, pp. 391-395, September 2013.
- Seshagiri Rao. V and K.V. Krishna Sastry, “**Application of Grey Relational Analysis to Determine the Optimum Drilling Parameters of Rcc**”, in IJREAT International Journal of Research in Engineering and Advanced Technology, Volume 1, Issue 4, Aug-Sep 2013.
- Seshagiri Rao. V Jessy K & Sathis Kumar. (2103) “**Investigation on the influence of fluctuation in thrust force during Drilling GFRP Composite by Recurrence Quantification Analysis**” European Journal of Scientific Research, Vol-10, Pages-340-351.
- Seshagiri Rao. V, Aldrin Sugan M.S and Purushothaman S., “**Characterization of Aluminum Flyash Particles Metal Matrix Composites for Application to Wings of Plane**”, European Journal of Scientific Research, Vol. 96 No.1, February 2013.
- Seshagiri Rao. V, et. al., “**Weldability and Process parameter optimization Dissimilar pipe joints using GTAW**”, International Journal of Engineering Research and Application, Vol. 2, Issue 3, pp. 2525-2530, May-June 2012.
- Ravikumar. S, Seshagiri Rao.V, Ramachandran.S and Nagalingeswara Rao.B.(2012), “**Experimental investigation in predicting friction stir weld process parameters for dissimilar AA7075T651- AA6061T651 butt joints**”, International Journal on Design and Manufacturing Technologies, Sathyabama

University, Vol -6, No -2, pages-46-54, ISSN 0973-9106.

- Seshagiri Rao. V, Ananthapadmanaban. D and Prasad Rao. K, **“Some Observations on friction welding of Aluminum to Copper”**, International Journal of Contemporary Science, Engineering and Technology, Vol. 1, No. 1-2, pp. 5-8, Jan-December 2010.
- Seshagiri Rao. V, Ananthapadmanaban. D, Vijayan. V and MuthuvaidyaNathan. R, **“A Review of Friction Welding Processes in Similar and Dissimilar Materials”**, International Journal of Design and Manufacturing, Vol. 3, No.2, pp. 68-72, July 2009.
- Seshagiri Rao. V, Abraham. N and Prasad Rao. K, **“A study of Mechanical Properties of friction welded Mild Steel to Stainless Steel joints”**, The International Journal of Material and Design, Elsevier Publications, Vol. 30, Issue 7, pp. 2642-2646, August 2009.
- Seshagiri Rao. V, Lakshminarayana, V, **“Design of Control circuit for arm control of Robot using eddy current Damping”** J. of Production Engg, IE (I), PP:15-21, V86, Sep 05.
- Seshagiri Rao. V, Lakshminarayana, V., **“Mathematical Modeling of Simple Seam Tracking Process Applicable in Multi-Function Control Robotic Welding System”** J. of Production engg. of IE (I), V. 85, Sep’04, PP:20-26.
- Seshagiri Rao. V, Lakshminarayana. V., **“Multi-Function Control System for Robotic Fire Detection: An Alternative Approach”** Institution of Engineers’ J. of Production Engineering, Volt 83, P: 58 – 61, March’ 2003.
- Seshagiri Rao. V, Lakshminarayana, V., **“Multi-Function approach to the Management of Technical Education”**, Volt 82, PP:6-9, May 2001, J. of IE(I)

#### 10. National Journals:

- Seshagiri Rao. V, Lakshminarayana, V, **“Design of Control circuit for arm control of Robot using eddy current Damping”** J. of Production Engg, IE (I), PP:15-21, V86, Sep 05.
- Seshagiri Rao. V, Lakshminarayana, V., **“Mathematical Modeling of Simple Seam Tracking Process Applicable in Multi-Function Control Robotic Welding System”** J. of Production engg. of IE (I), V. 85, Sep’04, PP:20-26.
- Seshagiri Rao. V, Lakshminarayana. V., **“Multi-Function Control System for Robotic Fire Detection: An Alternative Approach”** Institution of Engineers’ J. of Production Engineering, Volt 83, P: 58 – 61, March’ 2003.



- Seshagiri Rao. V, Lakshminarayana, V., **“Multi-Function approach to the Management of Technical Education”**, Volt 82, PP:6-9, May 2001, J. of IE(I)

#### 11. International Conferences:

- Seshagiri Rao. V et., al., **“Study of Process Parameters in Friction Stir welding of Dissimilar Aluminium Alloys”**, Proc., of Int. Conference on Industrial Engineering and Operations Management, KaulaLumpore, Malaysia, pp. 22-27, January 2011.
- Ananthapadmanaban D., Seshagiri Rao V., Prasad Rao K. and Rangan K. (2009), **“Some studies on friction welding of Ti-6Al-4V”**, ICWET-2009, June 11th to 13th, 2009 Ankara, Turkey, pp. 364-368.
- Seshagiri Rao. V, D. Ananthapadmanaban and K. Prasad Rao, **“Opportunities and Challenges in Friction Welding of Dissimilar Materials”**, Proc. of ECHDEM 2007, Sathyabama University, Chennai, pp. 108 – 111, 28-30 November 2007.
- Seshagiri Rao. V and Lakshminarayana. V, **“Performance Analysis of Multi-Function Control Robotic System Related to Welding Application”** Proc. Int. conference on "Trends in Industrial Measurements & Automation", MIT, Chennai, Dec. 2004.
- Seshagiri Rao. V and Lakshminarayana. V, **“Three-Dimensional path tracking of Multi-functional Control Robotic arm in a Complicated welding Environment”** Proc. Int. conference on "Trends in Industrial Measurements & Automation", MIT, Chennai, PP.5.36 - 5.41, Dec 2002.
- Seshagiri Rao. V, Lakshminarayana. V and Jolly Abraham, **“Multi-Function Control System for Welding Robots”**, Proc. Int. conference on "Trends in Industrial Measurements & Automation", MIT, Chennai, PP.75 - 85, Jan 7 - 11, 1999

#### 12. National Conferences:

- Ananthapadmanaban D., Seshagiri Rao V., Prasad Rao K., Rangan K. and Palanikumar K. (2010), **“A Study of Shrinkage and weld time during friction welding of Mild Steel to Stainless Steel”**, National Conference, Sathyabama University, August 9th, 2010, pp. 108-110.
- Ananthapadmanaban D., Seshagiri Rao V., Prasad Rao K. and Palanikumar K. (2010), **Friction Welding-An Environmentally friendly Technology**, EMMI-2010, Banaras Hindu University, 15th and 16th March 2010, pp. 87-89.



- Ananthapadmanaban D., Seshagiri Rao V., Prasad Rao K. and Rangan K. (2009), **Methods of weld quality prediction during friction welding using flash parameters**, IPRoMM-2009, July 11th- 13th, IIT,Madras, pp 23-28.
- Ananthapadmanaban D., Seshagiri Rao V., Prasad Rao K. and Rangan K. (2009), **“Studies on flash formation during friction welding of dissimilar metals”**, RTMT-09,National Level Conference, Anna University Chennai, Chennai, February 26th and 27th, 2009, pp. 27-30.
- Seshagiri Rao. V, and D. Ananthapadmanaban, **“Challenges in Welding of Aluminum and Its Alloys”**, proc. of National Conference in Robotics, Precision Engineering & Manufacturing Techniques AIRPAM, MIT, Chennai, pp. 112 – 115.April 2008.
- Seshagiri Rao. V, D. Ananthapadmanaban and K. Prasad Rao, **“Trends in Modern Materials & Manufacturing”**, Proceedings of ICMF -2008, Govt college of Engineering, Thirur, pp. 207 – 210, 17-19 Jan. 2008.
- Seshagiri Rao. V&Lakshminarayana. V, **“Application of information Technology in Multi- Function Controlled Robotic Welding”** Proc. of National Conference on ‘Advanced Trends in Mechanical Engineering, Research and Development, (MINAC) JNTU, Anantapur, AP, PP: 587-592, Dt. 21/12/2002.
- Seshagiri Rao. V,&Lakshminarayana, V ., **“Robotic Fire Detection System”**, Proc. of National Conference on Advances in Integrated manufacturing Systems (AIMS), 2-3rd Feb, 2001.
- SeshagiriRao.V, &Lakshminarayana. V, **“Arc Sensing in continuous Robotic arc Welding”**, Proc. Of national conference on advanced Trends in Mechanical Engineering Research and Development, JNTU, Anantapur, PP 115-119, June 22-23rd, 2000.
- Seshagiri Rao. V,Lakshminarayana. V, and V. Ravi Shankar, **“Role of virtual Reality in Future Technical Education”**, Proc. Of National Conference on ‘Challenges of Engineering Education for the 21st Century’, IE(I), 5-6th Feb, 2000.
- SeshagiriRao.V, Lakshminarayana. V, and Jolly Abraham, **“Wear Design Coefficient of Gears in Water Medium”**, Proc. Of NACOMM 99, IIT, Bombay, 16-17th Dec,1999.
- Seshagiri Rao, B.V.R Gupta and A. Jaykumar, **“Evaluation of Isolator an Alternate Approach”**, Proc USE (Under water Science and engineering), N.S.T.L – Visakhapatnam, 1994.

### 13. Projects / Awards /Patents:

Projects Completed : 03 (NRB & AICTE)  
 Awards Received : 04  
 Patents : 01

**Projects:**

- Co-Principal coordinator for the project “**Friction welding of Dissimilar Metals** ”, Sponsored by Naval Research Board, Ministry of Defense, with a grant in aid of Rs. 12 Lakhs.
- Principal coordinator for the project “**Modernization of IC Lab with latest equipment**” Sponsored by AICTE, New Delhi, with a grant in aid of Rs. 11.02 Lakhs. Sanction Letter No. 8024/RIFD/MOD-297/2010- 11 Date of Sanction: 31-03-2011
- Principal coordinator for the project “**Modernization of SM Lab with latest equipment** ”, Sponsored by AICTE, New Delhi, with a grant in aid of Rs. 10 Lakhs. Sanction Letter No. 8024/RID/BOR/MOD- 829. /2009-10 Dated 21.12.2009

**Awards:**

- B.E Project Guided with Title “Fabrication and comparison of rotary valve engine with cam assembly engine” have got Innovative Student Projects Award 2009.
- Best Research Paper Merit Certificate Award Winner for the Research Paper on “Multi-Function Control System for Robotic Fire Detection – An Alternative Approach,” from Institution of Engineers for the year 2002 –03
- Best Research Paper & K.F. Anita Memorial Medal Award winner from Institution of Engineers (I) at their 20th Engineering Congress for the research on “Mathematical Modeling of Simple Seam Tracking Process Applicable in Multi-Function Control Robotic Welding System,” awarded on 16/12/05 at Kolkata.
- Best Teacher Award in St. Joseph’s College of Engineering, three times consequently for (1999,2000,2001)

**Patents:**

S. No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency / Country	Status
1	Design of New Hydraulic Jack	B. Ramesh P. Venkateshwaran	323 / CHE /	-	India	Public view

	– Biped Jack	Dr. Vaddi Seshagiri Rao Dr. A. Elaya Perumal	2014			
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#### 14. FDP / Workshop:

FDP Conducted : 04

FDP Attended : 05

Workshop Attended : 07

#### FDP/Conference conducted:

- Convener for International Conference on “Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDMES’20)” with a grant in aid of **Rs.15,00,000** from All India Council for Technical Education” New Delhi. (20th and 21st February 2020)
- Convener for Faculty Development Program on “Fundamentals of Vibration – Measurement, Analysis and Control” with a grant in aid of **Rs.7,00,000** from All India Council for Technical Education” New Delhi. Sanction Letter No. F.No. 6-101/RIFD/FDP/Policy-1/2016-17 (from 30.10.2017 to 10.11.2017)
- Coordinator for Faculty development Program on “Strength of materials” Sponsored by Anna University, Chennai, with a grant of **Rs.60,000**, 2014.
- Coordinator for Faculty development Program on “Engineering Mechanics” Sponsored by Anna University, Chennai, with a grant of **Rs.90,000**, 2013.
- Convener for a Faculty Development Program on “Renewable Energy based Cooling Systems- Opportunities and Challenges” with a grant-in-aid of **Rs.6,50,000** from All India Council for Technical Education” New Delhi. Sanction Letter No. F.No. 6-93/RIFD/FDP/P(2)/2013-14 Dated 18.07.2013 (18<sup>th</sup> November to 29<sup>th</sup> November 2013)
- Convener for a Faculty Development Program on “Processing and Applications of Advanced Composite Materials” with a grant in aid of **Rs.6,32,050** from All India Council for Technical Education” New Delhi. Sanction Letter No. RIFD/SDP/164/2010-11 Dated 28.03.2011 (07<sup>th</sup> November 2011 to 19<sup>th</sup> November 2011)

#### FDP attended:

- One-week Course on Ansys Software, Training, Organised by Ansys Certified Training in Value Engineering, Bangalore, 30th April 2007 to 4th May 2007.
- Two weeks Course on Finite Element Technique, Organised by Anna University

Chennai, 29th May to 10th June 2006.

- Two weeks Course on Simulation models in Engineering and Technology, Organised by I.I.T – Madras, 12th March to 23rd March 2001.
- Two weeks Course on Tribo-design and Analysis, Organised by I.I.T – Madras, 7th December to 18th December 1998.
- Two weeks Course on Modern Trends in Food Preservation Technology, Organised by Anna University Chennai, 18th March to 29th March 1996.

#### **Workshop attended:**

- Two days' workshop on International stress management association, 1st and 2nd August 2015, Chennai.
- Two days' workshop on Micro Machining, Organised by N.I.T – Thiruchy, December 2008.
- Two days' workshop on High Impact Presentation Skills, organized by Dale Carnegie Training, January 2008.
- One day workshop on Environment & Pollution Awareness, organized by A.I.C.T.E, July 2004.
- Two days' workshop on Creativity and Innovation in Classroom Teaching for Technological Institutions, Organised by Vellore Institute of technology, February 2003.
- Two days' workshop on Reliability of renewable energy systems with special reference to wind energy, organised by Anna University, November 2000.
- One day workshop on Industry and Institute Interaction, Organized by A.I.C.T.E, February 1996.

#### **15. Membership with Technical Associations:**

- Anna University Academic council Member
- Fellow of Institution of Engineers
- Life member, Indian welding Society
- Life Member, Indian Institute of Production Engineers
- Life Member, Indian Society for Technical Education

#### **16. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received**

- Best Research Paper & K.F. Anita Memorial Medal Award winner from Institution of Engineers (I) at their 20<sup>th</sup> Engineering Congress for the research on “Mathematical Modeling of Simple Seam Tracking Process Applicable in Multi-Function Control Robotic Welding System,” awarded on 16/12/05 at Kolkata.

- Best Research Paper Merit Certificate Award Winner for the Research Paper on “Multi-Function Control System for Robotic Fire Detection – An Alternative Approach,” from Institution of Engineers for the year 2002 –03
- Best Teacher Award in St. Joseph’s College of Engineering, three times consequently for (1999,2000,2001)