

## CURRICULUM VITAE

**Dr.A. MUTHIAH,**

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**Father's Name** : **M. ATHENAMILAGI**  
**Date of Birth** : **05.04.1968**  
**Sex** : **Male**  
**Marital Status** : **Married**  
**Nationality** : **Indian**  
**Religion** : **Hindu**  
**Languages Known** : **Tamil & English**  
**PAN Card** : **AJKPM4612P**  
**Aadhar Card** : **2923 3993 1893**  
**Blood Group** : **O Positive**  
**Qualification** :

Degree	Regular / Part Time	University	Class	Year of Passing	Specialization
Ph.D	Part Time	Anna University, Chennai	-	2017	Mechanical Engineering
M.E	Regular	Madurai Kamarajar University, Madurai	I	2002	Production Engineering
B.E	Regular	Madurai Kamarajar University, Madurai	I	1989	Mechanical Engineering

### Experience

S.No	Name of the institute	Period		Year of service	
		From	To	Year	Months
1.	P.S.R. Engineering College, Sivakasi	21.08.2006	Till Date	12	10
2.	R.L Institute of Nautical Sciences, Madurai	10.02.2003	31.07.2006	3	5
3.	A.K. College of Engineering, Krishnankoil	16.08.1990	31.07.2001	10	11
		Total		27	2

**Ph. D. Thesis : Minimizing Makespan in Job-Shop Scheduling Problem Using Inspired Optimization Techniques**

**Anna University, Chennai - Ph.D Supervisor Reference No : 3320087**

**RESEARCH PROFILE**

✚ No. of publications (As on November 2019)

- Journal: 10
- International Conference: 23
- National Conference: 17
- Book: 03

**MEMBERSHIP**

- ISTE LM.14343
- AMIE - AM/086745/7 114/ME
- SAE INDIA 7160411506

**JOURNAL PUBLICATIONS : 10**

1. **A. Muthiah**, P.Pitchipoo, and R.Rajkumar, (2018) “Hybridization of Firefly And Ant Colony Optimization Algorithm For Job Shop Scheduling” Journal of the Balkan Tribological Association, book 4, Vol 24, pp 654–662
2. **A.Muthiah** R.Dinakaran and R.Rajeskumar (2018), “A Study of Intra granular Corrosion Behaviour of 321 Austenitic Stainless Steel Using Stabilizing Annealing Method”, International Journal of Modern Trends in Engineering and Science, vol.05, issue 04, pp 58 – 60.
3. **A.Muthiah** and R.Rajkumar (2018), “Production Scheduling Problem Solving With Sequence Dependent Set-Up Times By Using Genetic Algorithm”, Perspectivas em Ciencia da Informacao, v.22, sp.6, pp 93 – 111.
4. **Muthiah A.** and Rajkumar R., (2017), “A Novel Algorithm for Solving Job-Shop Scheduling Problem”, Mechanika, Vol. 23 No.4, pp. 610 – 616.
5. **Muthiah A.** and Rajkumar R., (2017) “Scheduling Problem Solving Using Genetic and Greedy Algorithms”, International Journal of Computer Aided Engineering and Technology Vol. 9 No. 2 pp. 207- 217
6. **Muthiah A**, P.Pitchipoo and Rajkumar R., (2016), “Analyses of Ceramic Coating on the Exhaust Valve of Diesel Engine”, International Journal of Printing Packaging & Allied Sciences, Vol.4, No. 1, pp. 179 -189

7. R.Rajkumar, and **A.Muthiah** (2016), “A Zestful Combination of ABC with GA for Quenching of Job Shop Scheduling Problems” International Journal of Advanced Engineering Technology Vol. VII/Issue II/April-June., pp 505-517.
8. **A.Muthiah** and R.Rajkumar (2015), “Minimizing Makespan in Job Shop Scheduling Problem Using Genetic Algorithm”, Applied Mechanics and Materials Vol. 813-814 pp 1183-1187.
9. **A.Muthiah** and R.Rajkumar (2015), “Production Scheduling Problem Solving With Sequence Dependent Set-Up Times By Using Genetic Algorithm”, International Journal of Applied Engineering Research, Volume 10, Number 12 (2015) pp. 32433-32450.
10. **A.Muthiah** and R.Rajkumar (2014), “A Comparison of Artificial Bee Colony algorithm and Genetic Algorithm to minimize the makespan for Job Shop Scheduling” Procedia Engineering Vol. 97 pp 1745 – 1754.

#### **NATIONAL CONFERENCE PUBLICATIONS: 17**

1. **A. Muthiah**, P.Pitchipoo and M.Ananthan “Job Shop Scheduling Problem. For Solving By Using Hybrid Algorithm ” in 6<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME’19), P.S.R. Engineering College, Sivakasi, Tamilnadu, 27<sup>th</sup> March, 2019.
2. **A. Muthiah**, J. Rambabu, M.Satheeskumar and V.Thiruvengatam, “Characteristics Of Biodiesel With Additives Of Cerium Oxide And Aluminium Oxide Of Nanoparticles” in TNSCST Sponsored 5<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME’18), P.S.R. Engineering College, Sivakasi, Tamilnadu, 29<sup>th</sup> March, 2018.
3. **A. Muthiah**, K.Gokul, and A.Hariprasath, “Design and performance analysis of IC engine testing pallet” in TNSCST Sponsored 5<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME’18), P.S.R. Engineering College, Sivakasi, Tamilnadu, 29<sup>th</sup> March, 2018.
4. **A. Muthiah**, P.Pitchipoo and I. Mohammed Musthaba, “Multi objective Optimization of milling parameters in AL 6061 and Fly ash composite using Grey Relational Analysis” in

TNSCST Sponsored 5<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME'18), P.S.R. Engineering College, Sivakasi, Tamilnadu, 29<sup>th</sup> March, 2018.

5. **A. Muthiah**, P.Pitchipoo and A.Baskara Sethupathy, “Optimization of drilling parameters for metal matrix composite using Taguchi method” in TNSCST Sponsored 5<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME'18), P.S.R. Engineering College, Sivakasi, Tamilnadu, 29<sup>th</sup> March, 2018.
6. **A. Muthiah**, P.Pitchipoo and K.Mahendran, “A Hybrid Algorithm for Job Shop Scheduling Problem” in TNSCST Sponsored 5<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME'18), P.S.R. Engineering College, Sivakasi, Tamilnadu, 29<sup>th</sup> March, 2018.
7. **A. Muthiah**, R.Rajkumar, “Experimental Analysis of Plasma Nitriding on EN19 Steel” in CSIR Sponsored 4<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME 2017), P.S.R. Engineering College, Sivakasi, Tamilnadu, 31<sup>st</sup> March, 2017.
8. **A. Muthiah**, R.Rajkumar, “Ant Colony Optimization Algorithm for Job Shop Scheduling Problem” in CSIR Sponsored 4<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME 2017), P.S.R. Engineering College, Sivakasi, Tamilnadu, 31<sup>st</sup> March, 2017.
9. **A. Muthiah**, R.Rajkumar, “Tribological Analysis of Al – TiC Composite Materials by Stir Casting Process” in CSIR Sponsored 4<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME 2017), P.S.R. Engineering College, Sivakasi, Tamilnadu, 31<sup>st</sup> March, 2017.
10. **A. Muthiah**, R.Rajkumar, “Aluminium Oxide – Water Nano fluids with Enhanced Thermal Properties: Preparation and Explanation of Mechanism” in CSIR Sponsored 4<sup>th</sup> National Conference on Research Advances in Mechanical Engineering (RAME 2017), P.S.R. Engineering College, Sivakasi Tamilnadu, 31<sup>st</sup> March, 2017.
11. **A. Muthiah**, R.Rajkumar and A. Rajkumar, “Minimization Makespan time for Job Shop Scheduling Problem” National Conference on Research Advances in Mechanical Engineering (RAME 2016), P.S.R. Engineering College, Sivakasi, Tamilnadu, 31<sup>st</sup> March, 2016.

12. **A. Muthiah**, and R. Rajkumar, “Review on Job Shop Scheduling Technique Used in Various Algorithm ” National Conference on Recent Advances in Materials and Manufacturing (RAMM 2015) SSN College of Engineering, Kalavakkam, Chennai, Tamilnadu, 19<sup>th</sup> December, 2015.
13. **A. Muthiah**, and M. Kalimuthu, “Thermal Analysis of Ceramic Coated Exhaust Valve in Diesel Engine ” National Conference on Innovations in Engineering Science and Technology (NCIEST’15) Ramco Institute of Technology, Rajapalayam, Tamilnadu, March 6<sup>th</sup> and 7<sup>th</sup> , 2015.
14. **A. Muthiah**, R. Rajkumar and B.Muthukumar, “Minimizing Makespan for Job Shop Scheduling Problem with Genetic Algorithm ” National Conference on Innovations in Engineering Science and Technology (NCIEST’15) Ramco Institute of Technology, Rajapalayam, Tamilnadu, March 6<sup>th</sup> and 7<sup>th</sup> , 2015.
15. **A. Muthiah** and R. Rajkumar, “Scheduling Problem Solving Using Genetic and Greedy Algorithms”, National conference on “Research &Advances in Mechanical Engineering 2014 (RAME ’14), P.S.R.Engineering College, Sivakasi, Tamilnadu, 28 & 29 March 2014.
16. **A. Muthiah** and R. Rajkumar, “Minimizing Makespan for Scheduling Job shop with ABC Algorithm”, National Conference on “Advances in Mechanical Engineering 2014” (NACAME ’14), Mepco Schlenk Engineering College, Sivakasi, Tamilnadu, 21 Feb 2014.
17. **A. Muthiah** and R. Rajkumar, “Production Scheduling Problem Solving Using Genetic and Greedy Algorithms with sequence dependant set up times”, National conference on Emerging Trends in Materials , Manufacturing and Design (ETMMD’13), MEPCO Schlenk Engineering College, Sivakasi, Tamilnadu, 07 & 08 , May 2013.

#### **INTERNATIONAL CONFERENCE PUBLICATIONS: 23**

1. **A. Muthiah**, Kalidass.S, Muthusamy.K, & Sundarrajan.D, “A Narrative Amalgam Algorithm for JSSP” International Conference on “Innovation Research in Science and Technology” (ICIRST’2019) Institute For Engineering Research and Publications (IFERP) Madurai, India,30<sup>th</sup> and 31<sup>st</sup> August 2019.
2. **A. Muthiah**, , P.Pitchipoo, M.Ananthan, “Hybridization of firefly and lion optimization algorithm for JSSP” International Conference on “Recent Trends in Engineering Education” (ICRTEE’2018) P.S.R. Engineering College, Sivakasi and National Institute of Technical Teachers Training and Research (NITTTR) Chennai, October 5<sup>th</sup> and 6<sup>th</sup> 2018.

3. **A. Muthiah**, P.Pitchipoo, and I.Mohammed Musthaba, “Optimization of Drilling Parameters for Metal Matrix Composite Using Taguchi Method” Second International Conference on Advanced in Mechanical Engineering (ICAME 2018) SRM Institute of Science and Technology, SRM Nagar, Kattankulathur, Kancheepuram, -603203, Tamilnadu, 22<sup>nd</sup> - 24<sup>th</sup> March, 2018.
4. **A. Muthiah**, P.Pitchipoo, and A.Bhaskara Sethupathy, “Multi Objective Optimization of Milling Parameters in Aluminium 6061 & Fly Ash Composite using Gray Relational Analysis” Third International Conference on Advanced Manufacturing and Automation (INCAMA2018), Kalasalingam Academy of Research and Education, Krishnannkoil-626126, Tamilnadu, 5<sup>th</sup> and 6<sup>th</sup> April, 2018.
5. **A. Muthiah**, P.Pitchipoo, and J.Saravanarajan, “Experimental Analysis and Optimization of Parameters in Wedm on En 47” Third International Conference on Advanced Manufacturing and Automation (INCAMA2018), Kalasalingam Academy of Research and Education, Krishnannkoil-626126, Tamilnadu, 5<sup>th</sup> and 6<sup>th</sup> April, 2018.
6. **A. Muthiah**, P.Pitchipoo, and R.Murali, “Study on Ceramic Coated Engine Valve By Plasma Spray Technique” Third International Conference on Advanced Manufacturing and Automation (INCAMA2018), Kalasalingam Academy of Research and Education, Krishnannkoil-626126, Tamilnadu, 5<sup>th</sup> and 6<sup>th</sup> April, 2018.
7. **A. Muthiah**, P.Pitchipoo, R.Rajkumar and K.Mahendran, “Firefly Algorithm for Solving Job Shop Scheduling Problem” Third International Conference on Advanced Manufacturing and Automation (INCAMA2018), Kalasalingam Academy of Research and Education, Krishnannkoil-626126, Tamilnadu, 5<sup>th</sup> and 6<sup>th</sup> April, 2018.
8. **A. Muthiah**, P.Pitchipoo and A.Bhaskara Sethupathy, “ Multi Objective Optimization of Milling Parameters in Aluminium 6061 & Fly Ash Composite” International Conference on Latest Trends in Science, Engineering And Technology (ICLTSET’18) Karpagam Institute of Technology, Coimbatore Tamilnadu, 23<sup>rd</sup>&24<sup>th</sup> March,2018.
9. **A. Muthiah**, R.Rajkumar and K.Mahendran, “Job Shop Scheduling Problems Solving by Using Firefly Algorithm” Third International Conference on Materials and Manufacturing (ICMME’18) Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University, Kanchipuram Tamilnadu, 8<sup>th</sup> and 9<sup>th</sup> March, 2018.

10. **A. Muthiah**, R.Rajkumar, P.Pitchipoo, International Conference on “Innovations in Science , Technology and Management Towards Sustainability” (ISTMTS 2017) Department of Civil Engineering in P.S.R. Engineering College, Sivakasi. “Ant Colony Optimization For Solving Job Shop Scheduling Problem ”, November 10 2017.
11. **A. Muthiah**, R.Rajkumar, P.Pitchipoo and K.Mahendran, “Minimization of Makespan by Using Ant Colony Optimization for Solving Job Shop Scheduling Problems” International Conference on Recent Advances in Mechanical Engineering (ICRAME 17) Department of Mechanical Engineering, Kingston Engineering College, Vellore, Tamilnadu, September 01<sup>st</sup> and 02<sup>nd</sup> , 2017.
12. **A. Muthiah**, R.Rajkumar and A. Manikandan, “Influences of Various Chemicals Treatments on NM094 & 95” Indo - Brazil Second International Conference on Advanced Materials & Processing, (AMP 2017), Kalasalingam University – KLU and Department of de Engenharia Automotiva, Faculdade Gama – Universidade d Brasilia – UnB, Brasilia, March 27 – 28, 2017.
13. **A. Muthiah**, R.Rajkumar and A. Rajkumar, “A Review of Amalgamation of Different Materials by Friction Stir Welding” International Conference on Smart Design & Sustainable Manufacturing, (ICSD & SM 2016), Alagappa Chettiar College of Engineering and Technology, Karaikudi, Tamilnadu, September 26-27, 2016.
14. **A. Muthiah**, R.Rajkumar and A. Rajkumar, “Hybridization of ABC Algorithm with PSO for Flexible Job Shop Scheduling” IEEE International Conference on Energy Efficient Technologies for Sustainability, (ICEETS 2016), St Xavier ‘s Catholic College of Engineering Nagercoil, Tamilnadu, April 7-8, 2016.
15. **A. Muthiah**, R.Rajkumar and A. Rajkumar, “Production Scheduling Problem Solving by Using An Opposite Genetic Algorithm” International Conference on Emerging Trends in Science, Engineering, Technology and Management,( ICETSETM 2016), P.S.R. Engineering College, Sivakasi Tamilnadu, April 7-8, 2016.
16. **A. Muthiah**, R.Rajkumar and A. Rajkumar, “ A Flexible Job Shop Scheduling Problem Solving by Using An Opposite Genetic Algorithm” International Conference on Fascinating Advancement in Mechanical Engineering (FAME 2016), Mepco Schlenk Engineering College, Sivakasi Tamilnadu, March 18 & 19, 2016.

17. **A. Muthiah**, R. Rajkumar, and A. Rajkumar “An Opposite Genetic Algorithm for Solving Job Shop Scheduling Problem”, First International conference on Materials Design and Manufacturing, (ICMDM’16) Anna University Chennai, Tamilnadu, 17 - 19 , February 2016.
18. **A. Muthiah**, R.Rajkumar and B.Muthukumar, “Minimizing makespan in job shop scheduling problem using genetic algorithm” International Conference on mechanical and manufacturing engineering (ICMME’15) Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University, Kanchipuram Tamilnadu, 2<sup>nd</sup> and 3<sup>rd</sup> April, 2015.
19. **A. Muthiah**, and M. Kalimuthu, “Temperature distribution and Thermal stress Analysis of Ceramic Coated Exhaust Valve in Diesel Engine ” International Conference on mechanical and manufacturing engineering (ICMME’15) Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University, Kanchipuram Tamilnadu, 2<sup>nd</sup> and 3<sup>rd</sup> April, 2015.
20. **A. Muthiah** and R. Rajkumar, “Production Scheduling Problem Solving using Genetic algorithm with sequence dependent setup times” International National Conference on Advances in Mechanical and Mechatronics Engineering (ICAMME’14) Sri Krishna College of Engineering and Technology, Coimbatore, Tamilnadu, December 26 -28, 2014.
21. **A. Muthiah** and R. Rajkumar, “A Comparison of Artificial Bee Colony algorithms and Genetic Algorithm For Job Shop Scheduling” International National Conference on Global Congress on Manufacturing Management (GCMM-2014) Vellore Institute of Technology University, Vellore, Tamilnadu, December 8 to 10, 2014.
22. **A. Muthiah** and R. Rajkumar, “An Artificial Bee Colony Algorithm for Job Shop Scheduling”, Second International conference on Advances in Industrial Engineering Applications, (ICAIEA’14), Anna University Chennai, Tamilnadu, 06 - 08 , January 2014.
23. **A. Muthiah** and K. Ganesan, “Production Scheduling Problem Solving Using Genetic and Greedy Algorithms with sequence dependant set up times”, Third International Conference on Recent Advances in material processing technology (RAMPT’13), National Engineering College, Kovilpatti, Tamilnadu 07-09 Jan 2013.

**WORKSHOP/SEMINAR ATTENDED: 17**

1. Participated in “One Day Workshop on “**E-LEARNING RESOURCE – GOOGLE CLASS ROOM**” on 31<sup>st</sup> October 2018 organized by P.S.R. Engineering College, Sivakasi.



2. Participated in “One Day Faculty Development Programme on **Outcome Based Education & AICTE Model Curriculum**” on 28<sup>th</sup> July 2018 organized by P.S.R. Engineering College, Sivakasi.
3. Participated and Organized in “One Day Seminar on **Recent Trends in Automobile Engineering**” on 28<sup>th</sup> August 2017 organized by PSREC SAE INDIA Collegiate Club, Department of Mechanical Engineering, P.S.R. Engineering College, Sivakasi.
4. Participated and Organized in “Two Days National Level HI TECH Practical Workshop on I.C.Engine Electronics (AUTOTRONICS 2017)” on 27<sup>th</sup> & 28<sup>th</sup> July 2017 organized by Department of Mechanical Engineering P.S.R. Engineering College, Sivakasi, in Association with Top Engineers.
5. Participated in a One day Workshop on “Scratch, C, C++,Java & JS Workshops ” on 20<sup>th</sup> March 2016 at P.S.R. Engineering College, Sivakasi, organized by Centre for Computer Science Education & Outreach, Department of Computer Science, The University of Texas At Dallas.
6. Participated in a One day Workshop on “Research Methodology” on 12<sup>th</sup> September 2015 at Anna University, Chennai, organized by Centre for Development Anna University, Chennai – 600025.
7. Participated in a one day Workshop on “Research Advancements in Composite Materials” on 06<sup>th</sup> March 2015 at P.S.R. Engineering College, Sivakasi, organized by Department of Mechanical Engineering.
8. Participated in a One Day National Level Technical workshop on “Recent Trends in Traditional and Non Traditional Techniques in Optimization” on 30<sup>th</sup> January, 2015 at Nadar Saraswathi College of Engineering, Theni, Tamilnadu.
9. Participated in a 2 day familiarization programme on “Thermal Power Plant” from 26<sup>th</sup> to 27<sup>th</sup> September 2013 at P.S.R. Engineering College, Sivakasi, Tamilnadu, organized by National Power Training Institute (Ministry of Power, Govt. of India.), Southern Region, Neyveli, Tamilnadu.
10. Attended one week short term course on “Quantitative Research Techniques and Tools for Engineers and Researchers” from 10<sup>th</sup> June to 14<sup>th</sup> June 2013 organized by Department of Mechanical Engineering, National Institute of Technology, Trichy,

11. Attended a Two Day National Workshop on “Optimization Techniques for Multi Criteria Decision Models (OTMCDM)” on August 10-11, 2012 at Thiagarajar College of Engineering, Madurai -25.
12. Participated in a MISSION 10X workshop conducted at P.S.R. Engineering College, Sivakasi, Tamilnadu, from 24<sup>th</sup> to 28<sup>th</sup> April, 2012
13. Attended a One Day National Seminar on “Meta-heuristic Algorithms and applications in Engineering” on 28<sup>th</sup> Dec, 2011 at SACS.M.A.V.M.M. Engineering College, Madurai, Tamilnadu
14. Successfully completed a Comprehensive CNC Turning/ CNC Milling training course using MTAB- DENFORD Equipment at the MTAB- DENFORD Technology Center- Chennai. India from 19<sup>th</sup> December 2006 to 23<sup>rd</sup> December.
15. Participated in the ISTE Approved short term training program on Manufacturing Excellence jointly organized by Department of Mechanical Engineering and ISTE faculty chapter of Adhi Parasakthi Engineering College Melmaruvathur, from 11<sup>th</sup> December 2006 to 15<sup>th</sup> December 2006.
16. Participated in the workshop on composite materials under TEQIP community service on 29-30<sup>th</sup> September 2006 at department of metallurgical and materials Engineering, National Institute of Technology, Tiruchirapalli.
17. Participated in the National Conference on Low cost Automation-Current Trends, P.S.G. College of Engineering Coimbatore on 25<sup>th</sup> October-2006.

#### **PROFESSIONAL ACTIVITIES:**

1. Acted as Chair Person in First International Conference on Thermal energy and environment (INCOTEE-2011), Kalasalingam University, Srivilliputtur, Tamilnadu, 24-26 March 2011.
2. Acted as Chair Person in Second International Conference on Advanced Manufacturing and Automation (INCAMA-2013), Kalasalingam University, Srivilliputtur, Tamilnadu, 28-30 March 2013.
3. Acted as Chair Person in National Conference on “Advances in Mechanical Engineering 2014” (NACAME '14), Mepco Schlenk Engineering College, Sivakasi, Tamilnadu, 21 Feb 2014.
4. Acted as Resource Person in Faculty Development Programme at VSVN Polytechnic College, Virudhunagar, 17.5.2014

5. Acted as Resource Person in Workshop on Recent Trends in Automobiles at PACR Polytechnic College, Rajapalayam, 28.02.2015
6. Acted as a Resource Person in One day Guest lecture about Road Traffic Safety at P.S.R. Arts and Science College, Sivakasi on 11.04.2018
7. Acted as a Resource Person in One day Guest lecture about TQM tools and techniques Sri Sowdambika College of Engineering, Aruppukottai on 26.09.2018
8. Acted as a session Chair Person in International Conference on “Innovation Research in Science and Technology” (ICIRST’2019) Institute For Engineering Research and Publications (IFERP) Madurai, India, 30<sup>th</sup> and 31<sup>st</sup> August 2019.
9. Acted as a organizer in the SAE International Conference on “Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility” (ADMMS’2019) AT Madras Institute Technology, Chennai during 11-12 October 2019.
10. Participated in SAEISS – Policy Deployment Meeting to be held on 4<sup>th</sup> Jan and 5<sup>th</sup> Jan 2020 at Sterling –Kodai Valley , Kodaiknal

**PROFESSIONAL ACTIVITIES: (Academic)**

1. Acted as Chief Superintendent for conducting written test for Assistant Engineers by Govt of India on 30.12.2018
2. Acted as Chief Superintendent for conducting Anna University Examinations April/May 2017
3. Acted as Chief Superintendent for conducting Anna University Examinations Nov/Dec 2016
4. Acted as Chief Superintendent for conducting Anna University Examinations April/May 2016
5. Acted as Chief Superintendent for conducting Anna University Examinations Nov/Dec 2015
6. Acted as external examiner for conducting Anna University Practical Examinations and central valuation since 2007
7. Acted as external examiner for conducting End Semester Practical Examinations and central valuation at National Engineering College (Autonomous), Kovilpatti
8. Acted as external examiner for conducting End Semester Practical Examinations and central valuation at Mepco Schlenk Engineering College (Autonomous), Sivakasi

9. Acted as external examiner for conducting End Semester Practical Examinations and central valuation at Sethu Institute of Technology (Autonomous), Kariyapatti
10. Question paper setting for various subjects in MGR University Chennai.
11. Question paper setting for various subjects in Sri Krishna College of Technology, Coimbatore.
12. Question paper setting for various subjects in KSR Engineering College, Tiruchengode.
13. Question paper setting for various subjects in Hindustan College of Engineering, Coimbatore.
14. Question paper setting for various subjects in Sri Krishna College of Engineering, Coimbatore.

#### List of Project Proposals Submitted

Sl. No	Title	Funding Agency
1.	Modeling and development of intelligent decision support system for multi criteria decision making for green supply chain network of a process industry (As Co-Investigator)	Department of Science and Technology (DST), New Delhi
2.	Use of Renewable energy Sources for Sustainable Agriculture	Member Secretary, Tamilnadu State Council for Science and Technology DOTE campus Chennai – 21.11.2018.
3.	FDP on Composite Materials Used In New Product Developments Challenges' In Industrial Scenario	AICTE 26.12.2019
4.	Enhancing the safety and green aspects of fireworks through optimization of manufacturing parameters	SERB, Department of Science and Technology (DST), New Delhi

#### ACADEMIC RESULTS:

YEAR /SEM	COURSE CODE & COURSE NAME	RESULT
2019-20 / V	161ME52 - Dynamics of Machinery	97%
2019-20 / III PG	162EDE10 - Integrated Manufacturing Systems	100%
2018 – 19 / VIII	12GE32 - Professional Ethics and Engineering	100%

<b>2018 – 19 / VII</b>	<b>12ME7G – Nuclear Engineering</b>	<b>99%</b>
<b>2018 – 19 / V</b>	<b>161ME52 - Dynamics of Machinery</b>	<b>97%</b>
<b>2018 – 19 / III PG</b>	<b>162EDE10 - Integrated Manufacturing Systems</b>	<b>100%</b>
<b>2017 – 18 / VI</b>	<b>12ME6G – Unconventional Machining Processes</b>	<b>100%</b>
<b>2017 – 18 / I</b>	<b>161ME11 - Engineering Graphics</b>	<b>100%</b>
<b>2017 – 18 / III PG</b>	<b>162EDE10 - Integrated Manufacturing Systems</b>	<b>100%</b>
<b>2016 – 17 / II PG</b>	<b>12ED2C – Composite Materials and Mechanics</b>	<b>100%</b>
<b>2016 – 17 / VI</b>	<b>12ME6G – Unconventional Machining Processes</b>	<b>100%</b>
<b>2016 – 17 / I</b>	<b>161ME11 - Engineering Graphics</b>	<b>98%</b>
<b>2016 – 17 / III</b>	<b>12ME31 - Manufacturing Technology - I</b>	<b>98%</b>
<b>2015-16 / III</b>	<b>12ME31 - Manufacturing Technology - I</b>	<b>98%</b>
<b>2015-16 / III PG</b>	<b>12ED3G – Integrated Manufacturing Systems</b>	<b>100%</b>
<b>2015-16 / VIII</b>	<b>12ME8C – Maintenance Engineering</b>	<b>100%</b>
<b>2015-16 / II PG</b>	<b>12ED2C – Composite Materials and Mechanics</b>	<b>100%</b>
<b>2014-15 / I</b>	<b>12F1Z6 – Engineering Graphics</b>	<b>100%</b>
<b>2014-15 / III</b>	<b>12ED3G – Integrated Manufacturing Systems</b>	<b>100%</b>
<b>2014-15 / II PG</b>	<b>12ED 2B – Engineering Fracture Mechanics</b>	<b>87.5%</b>
<b>2013-14 / I PG</b>	<b>12ED1A - Mechanical Behavior of Materials</b>	<b>100%</b>
<b>2013-14 / I</b>	<b>12F1Z6 – Engineering Graphics</b>	<b>96%</b>
<b>2013-14 / II PG</b>	<b>12ED 2B – Engineering Fracture Mechanics</b>	<b>87.5%</b>
<b>2012-13 / I</b>	<b>12F1Z6 – Engineering Graphics</b>	<b>98%</b>
<b>2012-13 / VI</b>	<b>ME 2026 - Unconventional Machining Processes</b>	<b>100%</b>

## **DUTIES AND RESPONSIBILITIES**

1. NBA Coordinator
2. Mechanical Engineering Association Treasurer
3. Anti Ragging Cell member
4. Students Discipline
5. Time table – Convener
6. Staff Club Secretary
7. Discipline Committee – Convener

**Signature**