

Dr. A. ANANDHA MOORTHY

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Objective

Motivated and talented mechanical engineering professor driven to inspire students to pursue academic and personal excellence. Consistently strive to create a challenging and engaging learning environment in which students become life-long scholars and learners. Exceptional track record of research success with multiple published articles.

Career Summary

- A student oriented and having expertise in handling student queries possesses ten years experience as an assistant professor
- Proficient in developing skills in students and provide them a growing path
- Extensive experience in organizing workshops, seminars and conference
- Excellent knowledge of subject and also have great practical knowledge
- Outstanding track record in assuring student success

Personal Qualities

- Excellent interpersonal skills.
- Excellent planning, organizational and negotiation strengths.
- Excellent communication skills in written and verbal both.
- Ability to lead, reach consensus, establish goals and attain results.
- A go-getter with a flexible and positive attitude

Key Responsibilities Handled

- Students Discipline Coordinator
- Documentation - Faculty data
- Professor In-charge for first year students
- Mentor and Class advisor
- Metrology laboratory in-charge

- NBA Criteria III Coordinator
- NAAC Criteria I Coordinator
- Faculty coordinator for Contraption team
- Board of Studies Head
- Overall ISTE coordinator for both students and faculty chapters
- Department News Letter (Mechronicle) coordinator
- Preparing the minutes of meeting for board of studies meeting
- Coordinator for Students Skill Training Program
- Member of question paper scrutinizing team
- Member of faculty resume scrutinizing team
- Faculty In-charge for Meteora - RC Car Event
- Coordinator for two days national conference on OPTTEST

Education

2016	Ph. D	Completed	Anna University, Chennai
2008	M.E. - Engineering Design	76% First Class	Kongu Engg College, Perundurai, Erode
2005	B.E. - Mechanical Engineering	70% First Class	Erode Sengunthar Engg College, Perundurai, Erode
1999	D.M.E (Diploma in Mechanical Engineering)	83% First Class Distinction With Honors	Al-Ameen Polytechnic, Erode

Certificate of Appreciation

- Received '**Young Educator and Researcher Award**' from National Foundation for Entrepreneurship Development (NFED) in the 6th Teachers' Day Awards and Celebrations – 2015 on 5th Sep 2015.
- Received '**Certificate of Appreciation for Faculty Advisor**' from Lovely Professional University, LPU SAE INDIA Collegiate Club, Punjab, on 30th March 2015.
- Received '**Certificate of Appreciation**' from Imperial Society of Innovative Engineers (ISIE), Jalandhar, Punjab, during 25th to 28th August 2016.
- Received '**Young Scientist Fellowship**' from Tamil Nadu State Council for Science and Technology (TNSCST), on 12th April 2017.
- Received '**Best Student Project Award**' from Tamil Nadu State Council for Science and Technology (TNSCST), on 12th April 2017.

- Shortlisted ‘**ASDF Global Awards 2017**’ for best academic professor.
- Received ‘**Best Student Project Award**’ from Tamil Nadu State Council for Science and Technology (TNSCST), on 25th January 2018.
- Applied Infosys Foundation - Aarohan Social Innovation Awards for best project.
- Received ‘**Best Guru (Male)**’ from global Education & Corporate Leadership Award 2018 on 23rd December 2018 by Life Way Tech India Pvt Ltd, Rajasthan, India at Meerut Institute of Engineering and Technology, Meerut, Uttar Pradesh, India.
- Received ‘**Best Student Project of the year 2019**’ from InSc Awards 2019 ((March, April, May) for the project on "**Development and Characterization of Natural Fibre Reinforced Polymer Matrix Composites**".

Organizational Experience

- Three years industrial experience since April-1999 at Coimbatore Compressor Engg., Coimbatore and working on design projects.

Key Result Areas:

- Involved in Southern Railway projects
- Modeling for consumer, commercial and industrial products
- Assembly, Modeling and Drafting of components in Pro-E & AutoCAD

Handled the projects for

- Working on projects of Southern Railway, involved in the development of three cylinder air compressor
- Assembly, Modeling & Drafting of Compressor parts like Cylinder Head, Cylinder Jacket, Crankcase, Crankshaft, Connecting Rod, Piston and its subassemblies have been done
- Reverse engineering of compressor wheel by surface modeling
- Modeling of gear pump

Institutional Experience

- One year teaching experience in Sri Ragavendra Polytechnic College, Komarapalayam, Since March 2005.
- Ten years, three months of teaching experience in Bannari Amman Institute of Technology, Sathyamangalam, Since June 2008.

NPTEL Course Attended

- Processing of Polymers and Polymer Composites - Aug to Sep 2018 - 8 Weeks (83% of Marks)
- Rapid Manufacturing – Jan to April 2019 – 12 Weeks (64% of Marks)
- Manufacturing of Composites - Aug to Oct 2019 - 8 Weeks (60% of Marks)

Academic Project in UG

Title : Design of Air Pre-heater for Improving Overall Efficiency of FBC Boiler

Organization: Steel Authority of India Limited, Salem

Description : The main objective of the project is to improve the overall efficiency of the boiler, at the same time reduce the overall fuel cost of fluidized bed combustion boiler by introducing Air Pre-Heater in to the existing system.

Academic Project in PG

Title : Effect of Booster Heating Coil in Foodstuff Display Cabinet by Experimental Investigation

Description : The objective of the project is to minimize the temperature difference inside cabinet with minimum energy consumption and minimum time requirement. For achieving this, booster heating coils are introduced in a specified location.

Academic Project in Ph.D

Title : Studies on Tribological Properties of Hybrid Aluminium Matrix Composites Reinforced with Fly ash and Solid Lubricants.

Description: This work has a set of themes which aims to develop materials with high strength to weight ratio and improved wear resistance in order to open the application fields for self-lubricating materials.

Title of Mini Projects

- Title :
- : Automated Weed Remover
 - : Paper act as a tool
 - : Integrated Weighing System for Commercial Vehicles
 - : Bulb Changing Mechanisms without an aid of ladder
 - : Flesh Cutter
 - : Quick Return Motion Mechanism

- : Power Operated Grass Cutter
- : Mini Drilling Machine
- : Vegetable peeler for Commercial Application (Funded by TNSCST)
- : Fabrication of Fertilizer Spraying Machine
- : Domestic Incinerator for menstrual Waste Disposal
- : Portable Air-cooler and Refrigeration unit by Peltier Effect
- : Development of ABS, Nylon and PLA based PMC
- : Development of ABS, Nylon and PLA based PMC reinforced with Sheep wool

Memorandum of Understanding

Name of the Company : Carl Zeiss, Bangalore
 Purpose : Centre of Excellence in Coordinate Metrology
 Date : 29th August 2017

Name of the Company : CAD Centre, Erode
 Purpose : CAD Modeling and Simulation
 Date : 11th November 2019

Industry Defined Problem

Title : Development of Form Gauge for Chain Measurement
(Students Bagged Third Prize)

Consultancy Project

Title I : Performance Evaluation of Plain Bearings by Experimentation
 Name of the Company : Best Pumps, Coimbatore

Title II : Solution for Failure of Worm and Worm Wheel Gear drive in Weaving Machine
 Name of the Company : VAARI Textile Machine Manufacture, Namakkal

Patent

- Simplified Vegetable Peeler for Commercial and Domestic Use on 17th July 2018
- An Intelligent Portable Mosquito Repellent Device, Registration number: 201941004502, on 05th February 2019

- Mechanism for Borewell pipe assembling and dismantling, Registration number: 201941024373, 31st May 2019
- Design of Bulb Changing Mechanism for Domestic Application on 5th December 2019.

Paper Published in International Journals (Total - 20)

Citations	37	33
h-index	2	1
i10-index	1	1

1. A Anandha Moorthy, N Natarajan, R Sivakumar, M Manojkumar, M Suresh, “Dry Sliding Wear and Mechanical Behavior of Aluminium/Fly ash/Graphite Hybrid Metal Matrix Composite Using Taguchi Method” International Journal of Modern Engineering Research (IJMER) Vol.2, Issue.3, May-June 2012 pp-1224-1230 ISSN: 2249-6645.
2. A Anandha Moorthy, N Natarajan, PK Palani, M Suresh, “Study on Tribological Characteristics of Self-lubricating AA2218-Fly ash-White graphite Composites” International Journal of Engineering and Technology (IJET), ISSN : 0975-4024 Vol 5 No 5 Oct-Nov 2013.
3. A Anandha Moorthy, N Natarajan, PK Palani, M Manojkumar, “Microstructure and Dry Sliding Wear Behavior of AA2218 Based Self-Lubricating Metal Matrix Composites”, International Review of Mechanical Engineering (I.R.E.M.E.), Vol. 7, N. 6 ISSN 1970 – 8734, September 2013.
4. A Anandha Moorthy, S Vinodh kumar, S Kaviyarasu, N Natarajan, PK Palani, “Performance Evolution of Self-Lubricating Composite Materials By Experimentation” IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X PP 14-18.
5. A Anandha Moorthy, VC Uvaraja, N Natarajan, PK Palani, N Dhanendran, M Anantha Kumar, KS Satheesh, “Tribological Behavior of Aluminium based MMC Subjected to Various Temperature” International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 9, Number 22 (2014) pp. 14207-14215.
6. A Anandha Moorthy, M Anantha Kumar, KS Satheesh, N Natarajan & PK Palani “Prediction of Tribological Properties of AA2218 based Metal Matrix Composites by Artificial Neural Network” International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.62 (2015).
7. M Manojkumar, R Sivakumar, A Anandha Moorthy, “Optimization technique to study dry sliding wear behavior of Aluminium alloy 2218 based Self Lubricating Composite Materials” International Journal of Advance Research and Innovative Ideas in Education (IJARIIE) - ISSN(O) - 2395-4396, Vol-1, pp 953-965, Issue-5, 2015.
8. A Anandha Moorthy, S Gangadharan & T Ramesh Kumar “Enhancing the Tribological Properties of Composite Materials for Centrifugal Pump Applications” International Research Journal of Engineering and Technology, IF 4.45, ISSN 2395-0056 Vol. 3 No. 3 (March 2016).

9. T Ramesh kumar, KL Senthil Kumar, A Anandha Moorthy and AD Latha “A study on mechanical behaviours of newly developed aluminium-based alloy” International Journal of Intellectual Advancements and Research in Engineering Computations, ISSN:2348-2079, Vol. 2, No. 5, pp 1991-1994, March 2017.
10. Anandha Morrthy Appusamy, Prakash Eswaran & Madheswaran Subramani, “Investigation on Dry sliding Wear behaviour of Self-lubricating Metal Matrix Composites reinforced with Fly ash and Solid lubricant”, International Journal of Recent Technology and Engineering, Blue Eyes Intelligence Engineering & Sciences Publication, Vol. 7, No. 4S, 2018.
11. Madheswaran Subramani, Prakash Eswaran & Anandha Morrthy Appusamy, “State of the Art on Additive Manufacturing (3D Printing) Technology Fiber Reinforced ABS, PLA, Pp, Polymer Composite in Fusion Deposition Modeling (FDM)”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Trans Stellar Publication, Vol. 8, No. 7, pp. 629-641, 2018.
12. Prakash Eswaran, Madheswaran Subramani & Anandha Morrthy Appusamy, “Investigations on Surface Roughness and Volumetric Shrinkage of Acute Angle Parts Fabricated with Fusion Deposition Modeling”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Trans Stellar Publication, Vol. 8, No. 7, pp. 440-447, 2018.
13. Madheswaran Subramaniyan, Anandha Moorthy Appusamy, Prakash Eswaran, Karthik Shanmugavel, Santhana Kumar Sadaippan, Maheshwaran Periyasamy, “Design of Domestic Incinerator for the Safe Disposal of Menstrual Waste in the Rural Areas”, International Journal of Research in Engineering, Science and Management, Volume-2, Issue-3, March-2019, ISSN (Online): 2581-5792.
14. Anandha Morrthy Appusamy, Prakash Eswaran & Madheswaran Subramani, “Design and Dynamic Analysis of Active Suspension System for Alterin Vehicle”, International Journal of Mechanical and Production Engineering Research and Development, Trans Stellar Publication, ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol. 9, Special Issue 1, Jan 2019, No. 14-19.
15. Selvakumar A, Anandha Moorthy A, Sundaresan S, Prakash C, “Preparation, wear resisting property and application of MWCNTs/Ni composite coating for Sewing Needles”, International Journal of Recent Technology and Engineering, Blue Eyes Intelligence Engineering & Sciences Publication, Volume-7 Issue-4S, Jan 7, 2019.
16. Anandha Morrthy Appusamy, Prakash Eswaran & Madheswaran Subramani, “Experimental studies on Mechanical properties and Characterization of Parthenium Short Fibre Reinforced Polymer Matrix Composites”, International Journal of Recent Technology and Engineering, Blue Eyes Intelligence Engineering & Sciences Publication, Volume-7 Issue-4S, Jan 7, 2019, pp. 413-416.
17. Madheswaran Subramani, Prakash Eswaran & Anandha Morrthy Appusamy, “Review on 4D printing materials, stimuli and its future applications”, International Journal of Mechanical and Production Engineering Research and Development, Trans Stellar Publication, ISSN(P): 2249-6890; ISSN(E): 2249-8001, Vol. 9, Special Issue 1, Jan 2019, pp. 316-327.

18. Velliyangiri. J, Dr. Prakash. E & Dr. Anandha Moorthy. A , “Experimental Study of Setup Time Reduction in CNC Machine Shop”, International Journal of Trend in Scientific Research and Development, IJTSRD, Vol. 3, Issue 3, ISSN 2456 6470, April 2019, pp.711-717.
19. Anandha Moorthy Appusamy, Prakash Eswaram, Madheswaran Subramani, Santhanakumar Sadaippan and Karthik Shanmugavel "Characterization and Performance Analysis of Graphite and Molybdenum Disulfide based Composites" Journal of Applied Physics - AIP Publishing (In Progress).
20. Anandha Moorthy Appusamy, Prakash Eswaram, Madheswaran Subramani, Santhanakumar Sadaippan and Karthik Shanmugavel "Effect of Heat Treatment on Tribological Properties of Talc and Boron Nitrate based Composite Materials" Journal of Applied Physics - AIP Publishing (In Progress).

Paper Presented in International Conferences (Total - 25)
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1. A Anandha Moorthy, N Natarajan, “Application of Taguchi Techniques to Study Dry Sliding Wear Behaviour of hybrid Metal Matrix Composites” international convention cum pre-conference workshop on “Innovations in Engineering and Technology for Sustainable Development (IETSD 2012) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 3rd - 5th September 2012.
2. Anandha Moorthy A, Natarajan N, Palani P K, Kumarbabu P, Anantha Kumar M, Satheesh K S, “Dry sliding wear Behaviour of Aluminium Alloy based Self Lubricating Hybrid Metal Matrix Composite Using Taguchi’s Techniques” International Conference on Advances in Design and Manufacturing (ICAD&M'14), ISBN 978-93-84743-12-3 © 2014 Bonfring, NIT Trichy.
3. Anandha Moorthy A, Kumaresan R, Senthilkumar S, Nirmalkumar M and Bharathi S “Performance Analysis of Self-Lubricating Composite based Plain Bearing under different loads” International Conference on Developments in Engineering Research, ISBN: 978-1511884-075, 26th April 2015, Salem.
4. A. Anandha Moorthy, M.Chellappan Vigneshwar, T. Jeeva”, Vibration Characteristics of Plain Bearings Subjected to Radial Load”, International Conference on Sustainable Materials, Design and Applications 2016 - (ICSMDA 16) 18th – 19th March 2016, Kongu Engineering College, Erode 638052, Tamilnadu, India.
5. A. Anandha Moorthy, S Gangadharan “Enhancing the Tribological Properties of Composite Materials for Centrifugal Pump Applications” International conference on Mechanical and Building Sciences (ICMBS-2016) Presented at Department of Mechanical Engineering, SNS College of Technology, Coimbatore on 23rd & 24th March 2016.
6. T. Ramesh Kumar, KL. Senthilkumar, A. Anandha Moorthy, & R. Latha, “A Study on Mechanical Behaviours of Newly Developed Aluminium – Based Alloy”, First International Conference on Recent Innovations In Engineering, Technology and Management - (ICRIETM 2017) 25th March 2017, Nandha Engineering College, Erode - 52, Tamilnadu, India.
7. A. Anandha Moorthy, T. Ramesh Kumar, G. Senthilkumar & S. Madheswaran, “Vibration Based Condition Monitoring of Plain Bearings Subjected to Radial Load”, Indo-Brazil Bilateral Second

International Conference on Advanced Materials & Processing - (AMP17) 27th – 28th March 2017, Kalasalingam University - KLU, Krishnan Koil, Tamilnadu, India.

8. T. Ramesh Kumar, A. Anandha Moorthy, KL. Senthilkumar & R. Latha, “Tribological and Mechanical Characteristics of Developed Heat Treated Al-SN-SI Alloy under Lubricated Conditions”, Indo-Brazil Bilateral Second International Conference on Advanced Materials & Processing - (AMP17), 27th – 28th March 2017, Kalasalingam University - KLU, Krishnan Koil, Tamilnadu, India.
9. A. Anandha Moorthy, T. Ramesh Kumar & C. Sasikumar, “Improving the Performance of Centrifugal Pump by Applying Self – Lubricating Composite Material as a Material for Plain Bearing”, International Conference on Futuristic Innovations in Mechanical Engineering and Manufacturing Management (ICFIMEMM – 17), 30th & 31st March 2017, M. Kumarasamy College of Engineering, Karur, India.
10. A. Anandha Moorthy, C. Sasikumar, KT. Sevugan chetty, P. Sasikumar & T. Saran kumar, “Condition Monitoring of Plain Bearings prepared with Self-Lubricating Composite Materials” International Conference on Advanced Material Science and Technology (ICAMST), on 17 - 19 August 2017, Bannari Amman Institute of Technology, Sathyamangalam, Erode District.
11. G. Ramesh, VC. Uvaraja, A. Amarkarthick, C. Jagadheeshwaran & A. Anandha Moorthy, “Effect of Heat Treatment on Mechanical Properties Aluminium 7075 Hybrid Metal Matrix Composites” International Conference on Advanced Material Science and Technology (ICAMST), on 17 - 19 August 2017, Bannari Amman Institute of Technology, Sathyamangalam, Erode District.
12. A. Anandha Moorthy, E. Prakash, S. Madheswaran, G. Senthilkumar & C. Sasikumar, “Prediction System for Investigating Process Parameters on Dry Sliding Wear of Self-Lubricating Metal Matrix Composites”, Third International Conference on Advances in Industrial Engineering Applications - (ICAIEA 18) 03rd & 05th January 2018, Anna University, Chennai, Tamilnadu, India.
13. E. Prakash, S. Madheswaran, A. Anandha Moorthy, Naveen Sankarannakalyani & K. Sivakumar, “Investigations on Surface Roughness and Volumetric Shrinkage of Acute Angle Parts Fabricated with Fusion Deposition Method”, Third International Conference on Advances in Industrial Engineering Applications - (ICAIEA 18) 03rd & 05th January 2018, Anna University, Chennai, Tamilnadu, India.
14. A. Anandha Moorthy, E. Prakash, S. Madheswaran, S Santhana Kumar & S Karthik, “Experimental Studies on Parthenium Short Fiber Reinforced Thermoplastic Composite Materials Prepared by Additive Manufacturing Process”, Third International Conference on Recent Trends in Nanomaterials for Energy, Environmental and Engineering Applications (ICONEEEA - 2K19), 14 & 15th April 2019, K-Ramakrishnan College of Technology, Trichy, Tamilnadu, India.
15. Anandha Moorthy Appusamy, Prakash Eswaram, Madheswaran Subramani, Santhanakumar Sadaipappan and Karthik Shanmugavel "Characterization and Performance Analysis of Graphite and Molybdenum Disulfide based Composites" International Conference on Advances in Materials Processing (ICAMPC - 2019), 10 & 11th September 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.

16. Anandha Moorthy Appusamy, Prakash Eswaram, Madheswaran Subramani, Santhanakumar Sadaippan and Karthik Shanmugavel "Effect of Heat Treatment on Tribological Properties of Talc and Boron Nitrate based Composite Materials" International Conference on Advances in Materials Processing (ICAMPC - 2019), 10 & 11th September 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.
17. Prakash E, Balamurugan T, Anandha Moorthy A and Ranjith Karna D, "The Tetrapihian - An Urban Future Transportation System" International Conference on Advances in Materials Processing (ICAMPC - 2019), 10 & 11th September 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.
18. Anandha Moorthy Appusamy, Prakash Eswaran, Madheswaran Subramaniyan, Arunkumar, Rajamanickam, Vinoth Kumar Selvakumar and Vijaya Prasanth, "Invasive Parthenium Weed as Reinforcement in Polymer Matrix Composite to Reduce the Environmental Impact" International Conference on Advances in Materials Research (ICAMR 2019), 6 & 7th December 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.
19. Anandha Moorthy Appusamy, Prakash Eswaran, Madheswaran Subramaniyan, Arunkumar, Rajamanickam, Vinoth Kumar Selvakumar and Vijaya Prasanth, " Characterization and Fabrication of Nylon and PLA Based Polymer Matrix Composites Using 3D Printing" International Conference on Advances in Materials Research (ICAMR 2019), 6 & 7th December 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.
20. Prakash Eswaran, Naveen Shankar Annakalyani, Anandha Moorthy Appusamy and Madheswaran Subramaniyan, " Accelerated Process Monitoring in Additive Manufacturing using Voxel-based Visual Pattern Mining with Convolutional Neural networks" International Conference on Advances in Materials Research (ICAMR 2019), 6 & 7th December 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.
21. Madheswaran Subramaniyan, Prakash Eswaran, Anandha Moorthy Appusamy, Pasupathy Srimannarayana Raju and Naveen Shankar Annakalyani, "Drilling Parameter Optimization of Composite Materials" International Conference on Advances in Materials Research (ICAMR 2019), 6 & 7th December 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.
22. Madheswaran Subramaniyan, Prakash Eswaran, Anandha Moorthy Appusamy, Pasupathy Srimannarayana Raju and Naveen Shankar Annakalyani, "Mechanical Properties Review on Natural Fiber Reinforced Polymers on 3D Printing" International Conference on Advances in Materials Research (ICAMR 2019), 6 & 7th December 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.
23. Anandha Moorthy Appusamy, Prakash Eswaran, Madheswaran Subramaniyan, Sasikumar, Girimurugan R and Viravel M, "Experimental Investigation on Mechanical Properties of Egg Shell Particle reinforced Epoxy Resin Composites" International Conference on Advances in Materials Research (ICAMR 2019), 6 & 7th December 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.
24. Madheswaran Subramaniyan, Sivakumar Karuppan, Prakash Eswaran, Anandha Moorthy Appusamy and Naveen Shankar Annakalyani, "State of Art on Fused Deposition Modeling Machines Process Parameter Optimization on Composite Materials" International Conference on Advances in

Materials Research (ICAMR 2019), 6 & 7th December 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.

25. Girimurugan R, Viravel M, and Anandha Moorthy Appusamy, "Experimental Studies on Mechanical Behaviour of Poly Lactide (PLA) - Al₂O₃ Composites" International Conference on Advances in Materials Research (ICAMR 2019), 6 & 7th December 2019, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India.

Paper Presented in National Conferences (Total - 26)

1. A Anandha Moorthy, "Paper Act as a Tool (Wood Cutter)" – FUTURA 2007 – Bannari Amman Institute of Technology, Sathyamangalam, From 1st to 3rd September 2007.
2. A Anandha Moorthy, Dr P Navaneetha Krishnan, "Effect of Booster Heating Coil in Food Stuff Display Cabinet-Experimental Investigation" - National Conference on Optimization Techniques in Engineering Sciences and Technology (OPTTEST - 2008) – Bannari Amman Institute of Technology, Sathyamangalam, on 27th and 28th March 2008.
3. A Anandha Moorthy, Dr P Navaneetha Krishnan, "Natural Heat Distribution Characteristics of Food Stuff Display Cabinet-Experimental Investigation" - National Conference on Resend Advancement in Mechanical Engineering (Mech RAME-2008) – Mahindhra Engineering College, Thiruchengodu.
4. A Anandha Moorthy, E Prakash, "Effect of Rubbing in a Shaft, Bearing Housing Vibration Signatures and Detection of Possible Failures" - National Conference on Optimization Techniques in Engineering Sciences and Technology (OPTTEST - 2009) – Bannari Amman Institute of Technology, Sathyamangalam.
5. A Anandha Moorthy, N Natarajan, "Wind flow analysis of luxury vehicle radiator by using CFD" Sixth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTTEST 2011) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 15th and 16th April 2011.
6. A.Anandhamoorthy, M.Elango, "Dry sliding wear and Mechanical Behavior of Aluminium/Flyash /Graphite Hybrid Metal Matrix Composite Using Taguchi Method" Seventh National Conference on Optimization Techniques in Engineering Sciences & Technology (OPTTEST 2012) Presented at Department of Mechanical Engineering, BIT, Sathyamangalam, April 2012.
7. A Anandha Moorthy, M Manojkumar, M Suresh, M Sivakumar, "Microstructure and Tribological Behaviour of Alluminium Alloy Based Self Lubricating Hybrid Metal Matrix Composite for High Temperature Applications" Eighth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTTEST 2013) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 19th and 20th April 2013.
8. A Anandha Moorthy, M Nandhagopal, M Suresh M Manojkumar, M Sivakumar, "Tribological Performance of an Alluminium 2218 Based Hybrid Metal Matrix Composites Produced by Stir Casting" Eighth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTTEST 2013) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 19th and 20th April 2013.
9. A Anandha Moorthy, M Sivakumar, M Manojkumar, M Suresh, "Effect of Addition of Fly ash Particulates on the Wear Behaviour in Allumium – Fly ash – Graphite Composites" Eighth National

conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2013) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 19th and 20th April 2013.

10. Anandha Moorthy A, Natarajan N, Palani P K, Anantha Kumar M, Satheesh K S, “Review on Tribological Characterization of Hybrid Metal Matrix Composite” Second National Conference on Futuristic Innovation in Engineering (NCFIE'15), Pg No 228 – 231, 7th March 2015, Arulmurugan College of Engineering, Karur.
11. Anandha Moorthy A, Kumaresan R, Senthilkumar S, Natarajan N and Palani P K, “Dynamic Analysis of Journal Bearing Under Different Loads” Tenth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2015) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 10th and 11th April 2015.
12. A Anandha Moorthy “Vibration Condition monitoring of Plain Bearings Subjected to Radial Load” Eleventh National conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2016) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 18th and 19th March 2016.
13. A Anandha Moorthy “Review on Tribological Characterization of AA2218 Based Metal Matrix Composites” Eleventh National conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2016) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 18th and 19th March 2016.
14. A Anandha Moorthy, S Gangadharan “Enhancing the Tribological Properties of Composite Materials for Centrifugal Pump Applications” Ninth National conference on Advances in Mechanical Sciences (AIMS 2016) Presented at Department of mechanical Engineering, Kumaraguru College of Technology, Coimbatore on 18th March 2016.
15. A Anandha Moorthy, Presented “Pedal operated vehicle for handless people”, National Conference on OPTEST – 2017 at BIT, Sathy, on 17th & 18th March 2017.
16. A Anandha Moorthy, Presented “Catalytic Converter for IC Engines”, National Conference on OPTEST – 2017 at BIT, Sathy, on 17th & 18th March 2017.
17. A Anandha Moorthy, Presented “3D Printing Technology for Medical Applications”, National Conference on OPTEST – 2017 at BIT, Sathy, on 17th & 18th March 2017.
18. A Anandha Moorthy, presented “Design and Fabrication of Suspension system for All Terrain Vehicle”, National Conference on Advancements in Mechanical, Manufacturing & Civil Engineering (NCAMMCE-18), on 9th March, 2018, at M.Kumarasamy College of Engineering, Karur.
19. A Anandha Moorthy, presented “Fabrication of Fertilizer Spraying Machine”, National Conference on Advancements in Mechanical, Manufacturing & Civil Engineering (NCAMMCE-18), on 9th March, 2018, at M.Kumarasamy College of Engineering, Karur.
20. A Anandha Moorthy, presented “Failure Analysis of Gear Box”, National Conference on Advancements in Mechanical, Manufacturing & Civil Engineering (NCAMMCE-18), on 9th March, 2018, at M.Kumarasamy College of Engineering, Karur.
21. A Anandha Moorthy, presented “Characterization of PMC”, National Conference on Advancements in Mechanical, Manufacturing & Civil Engineering (NCAMMCE-18), on 9th March, 2018, at M.Kumarasamy College of Engineering, Karur.

22. A Anandha Moorthy, presented “Mechanical Behaviour of MMC”, National Conference on Advancements in Mechanical, Manufacturing & Civil Engineering (NCAMMCE-18), on 9th March, 2018, at M.Kumarasamy College of Engineering, Karur.
23. A Anandha Moorthy, Assistant Professor Selection Grade “Condition Monitoring of Journal Bearings Subjected to Radial Load”, National Conference on Emerging Trends in Mechanical Engineering, SNS College of Technology, Coimbatore (NCETME-18), on 9th March.
24. A Anandha Moorthy, Assistant Professor Selection Grade & N Santhosh, R Sivanarayanan, N Sathish “Condition Monitoring of Journal Bearings Subjected to Radial Load”, Student Project cum Seminar organized by Tamil Nadu State Council for Science and Technology in association with National College, Trichy on 20th July 2018.
25. A Anandha Moorthy, Associate Professor, Dhilip kumar N, Eswaran D & Jeevanantham G presented a paper on “Design and Fabrication of Multi Spindle Drilling Machine”, in 2nd National Conference on Cutting Edge Innovations in Engineering and Technology, at Cheran College of Engineering, Karur, on 15nd March 2019.
26. A Anandha Moorthy, Associate Professor & Nirmal Kumar V, Ebinraj B & Prasanth V presented a paper on “Oil Skimmer”, in 3rd National Conference on Technologies for Green Mobility - 2019, at Bannari Amman Institute of Technology, Sathyamangalam on 22nd March 2019.

Programs Attended

Name of the Programme	Type of Programme	Organized by	Period / Duration
Finite Element Analysis	Faculty Development Programme	Dept of Mech Engg, BIT, Sathy	19 th & 20 th November 2008
Automation for Green Engineering	Seminar	Dept of Mechatronics Engg, Kongu Engg, Perundurai, Erode	11 th & 12 th December 2008
CATIA Training Programme	Workshop	CADD Technologies, Pollachi	7 th – 22 September 2009
Research Methods and Tools for Engineering Faculty	Workshop	Dept of Mech Engg, BIT, Sathy	18 th & 19 th December 2009
Research Methods and Tools for Mechanical Engineering Faculty	Faculty Development Programme	AICTE, Dept of Mech Engg, BIT, Sathy	31 st May – 11 th June 2010
Industrial Automation with PLC, SCADA and DCS	Workshop	Dept of Elec and Ins Engg, BIT, Sathy	28 th & 29 th July 2010

Recent Trends in Composite Materials and its Processing	Workshop	Dept of Mech Engg, KPR Ins of Engg and Tech, Coimbatore	7 th & 8 th October 2011
Multi Objective Evolutionary Optimization Theory & Practice	Workshop	CSIR sponsored, Dept of Mech Engg, BIT, Sathy	29 th & 30 th June 2012
ACM Processing and Applicatons	Seminar	Dept of Mech Engg, Kongu Engg, Perundurai, Erode	13 th July 2012
PEP Workshop	Workshop	BIT, Sathy	28 th & 29 th July 2012
Innovation in Engineering and Technology for Sustainable Development	Workshop	BIT, Sathy	3 rd – 5 th September 2012
Applied Design of Experiments for Engineering Applications Theory & Practice	Workshop	Dept of Mech Engg, BIT, Sathy	4 th & 5 th January 2013
Advanced Metrology and Calibration Techniques in Modern Production Industries	Workshop	TESPA, Dept of Production Engg, PSG College of Technology, Coimbatore	24 th & 25 th April 2013
Emerging Research and Advances in Composite Materials	Seminar	Dept of Mech Engg, BIT, Sathy	26 th April 2013
Modeling and Optimization of Manufacturing System using Intelligent Techniques	Faculty Development Programme	Dept of Mech Engg, BIT, Sathy	6 th – 18 th May 2013

Intelligence Optimization Techniques in Engineering Sciences	Short Term Training Programme	ISTE – SRM , Dept of Mech Engg, BIT, Sathy	12 th – 17 th May 2014
Corrosion Evaluation of Engineering Materials	Seminar	Dept of Mech Engg, BIT, Sathy	29 th September 2014
Regression Based Mathematical Modelling: Synthesis and Implementation for Engineering Research	Workshop	Dept of Mech Engg, BIT, Sathy	7 th & 8 th November 2014
Lean Manufacturing	Seminar	Dept of Mech Engg, BIT, Sathy	25 th & 31 st October – 01 st November 2014
Finite Element Analysis Using ANSYS® 15.0	Workshop	Dept of Mech Engg, BIT, Sathy	11 th September 2015
FDP on Train the Trainers Programme for Foundation Skills in Integrated Product Development (FSIPD)	Faculty Development Programme	TEQIP – II Sponsored, CIT, Coimbatore	19 th – 23 rd January 2016
Future Scope in Automotive Emission Control	Workshop	Dept of Mech, BIT, Sathy	13 th Feb 2016
Vehicle Dynamics	Workshop	Dept of Automobile Engg, BIT, Sathy	5 th & 6 th January 2017
Geometrical Dimensioning and Tolerance & Press tool design	Faculty Development Programme	Dept of Mech, BIT, Sathy	17 th to 22 nd April 2017
3D Printing Technologies & CNC Programming	Workshop	MSME, COINDIA & Dept of Mech, BIT, Sathy	01 st & 2 nd July 2017
Mould Design and Die Casting	Faculty Development Programme	Dept of Mech, BIT, Sathy	31 st July to 05 th August 2017
Outcome Based Education and Accreditation	Workshop	National Board of Accreditation(NBA) in collaboration with Anna University at Anna	25 th November 2017

		University Regional Centre, Coimbatore	
IMTEX2018 & Tooltech2018	i2 - Acedemia Projects/IMTEX FORMING 2018	India Machine and Tool Manufacturer Association (IMTMA) Technology Centre, Bangalore	25 th -30 th January 2018.
SIEMENS Certified Professional Program	Workshop	Launch of SEIMENS Professional Program at Lee Meridian Hotel, Coimbatore	22 nd February 2018
Processing of Polymers and Polymer Composites	FDP	NPTEL – Online Course	1 st Aug – 29 th Sep 2018
Measure 1500 parameters in 30 mins using X-ray solutions from ZEISS	Webinar	Carl Zeiss, Bangalore	31 st August 2018
Identification of Research Opportunities and Appropriate Funding Schemes	Workshop	Dept of Mech, BIT, Sathy	08 th Feb 2019
Quality and Production Data Management – Industry 4.0 Solutions	Webinar	Carl Zeiss, Bangalore	19 th Feb 2019
Vehicle Dynamics	Faculty Development Program	Dept of Mech, BIT, Sathy	04 – 09 th Feb 2019
Advanced Composites for Orthopedic Implants	Workshop	Dept of Auto Engg, BIT, Sathy	14 th June 2019
How to measure with speed and precision in Production Shop	Webinar	Carl Zeiss, Bangalore	15 th June 2019
Inline and At-Line Solutions	Webinar	Carl Zeiss, Bangalore	19 th June 2019
Rapid Manufacturing	FDP	NPTEL – Online Course	2 nd Jan – 28 th April 2019

Applications of NDT in Industries	Workshop	Indian Welding Society & BIT, Sathy	19 th July 2019
Project based learning with MATLAB/SIMULINK	Seminar	Dept of Mech, BIT, Sathy	04 th October 2019

Funded Projects Applied

Sl. No.	Name of the Project	Funding Agency	Amount	Year
1.	Recent Advancements in Hybrid Composite Material(Workshop)	CSIR	6,000	2014
2.	Performance Evaluation of Plain Bearings in Submersible pump	TNSCST (Student Scheme)	15,000	2014
3.	Eco-friendly Lubricants	CSIR	60,000	2014
4.	Performance evolution of self lubricating plain bearing	TNSCST (Student Scheme)	15,000	2014
5.	Integrated Weighing solution for Commercial Vehicles	TNSCST (Student Scheme)	15,000	2015
6.	Vegetable peeler	TNSCST (Student Scheme)	15,000	2015
7.	Compact wall cleaning robot with mobile control	TNSCST (Student Scheme)	15,000	2015
8.	Emerging Research and Advances in Composite Material(Workshop)	DRDO	90,000	2015
9.	Rheological, Wear and Thermal Stability Studies on Vegetable Oil with Natural and Nano Metal Additives	DST (Under progress)	19,00,000	2015
10.	Rheological Studies on Vegetable Oil with Nano Additives	UGC	20,00,000	2016

11.	MS office training programme for rural based womens	TNSCST	40, 000	2016
12.	Simplified cultivation process using double wheel HOE	TNSCST (Student Scheme)	15,000	2017
13.	Simplified vegetable peeler for commercial and domestic use	TNSCST (Student Scheme)	15,000	2017
14.	Domestic Incinerators for the Disposal of Menstrual Waste	TNSCST (Student Scheme)	15,000	2017
15.	Design and Fabrication of Bulb Changing Mechanism for Domestic and Industrial purpose	TNSCST (Student Scheme)	15,000	2017
16.	Industrial Waste Minimization	EDII & MSME	1,60,000	2017
17.	Synthesis, Machining and Testing of Composite Materials (SMT)	AICTE	3,33,125	2017
18.	Design, Development and Validation of Thermocycler and Real Time Cycler (DNA amplification Instrument) mostly used in disease diagnosis	DST – IDP, New Delhi	35.02 Lakhs	March 2017
19.	Technological Interventions for Enhancing Productivity, Scalability and Value Addition to Obtain Fiber from a Local Plant (Urtica Dioica) for Tribals in Nagaland: A Waste to Wealth Programme	DST – SEED (Technological Intervention for Tribal Empowerment (TITE)	94,96,000 Lakhs	August 2018
20.	A Novel Way Of Design And Fabrication Of Low Cost Incinerator For The Safe Disposal Of Menstrual Squander To Support Rural Females And School Girls	TNSCST (Student Scheme)	11,500	Sep 2018
21.	A New Approach To Design And Fabrication Of Bulb Changing Mechanism For Domestic And Industrial Purpose	TNSCST (Student Scheme)	10750	Sep 2018
22.	Effective Utilization of Invasive Harmful Parthenium Weed Plant as Reinforcement for Polymer Matrix Composite Material Processed by 3D Printing Technology to Reduce Bio-diversity and save the Environment	TNSCST Science & Technology Projects	Rs 1,40,000/-	15 th Feb 2019

23.	Influence of Morphology of Anti-Wear Natural and Nano Additives on Tribological Behavior of Chemically Modified Vegetable Oil	DST - CSRI	Rs 14,00,000/-	05th July 2019
24.	Development of Low Cost Incinerator to Dispose the Menstrual Waste Environment Friendly	TNSCST (Student Scheme)	Rs. 10000	Sep 2019
25.	Utilizing Invasive Parthenium Weed for Eco-Friendly Product Development using 3D Printing Technology	TNSCST (Student Scheme)	Rs. 10000	Sep 2019

Fund Received

- Indian Society for Technical Education Conference grant of **Rs 5000** for four consecutive years.
- Tamil Nadu State Council for Science and Technology (TNSCST) received a grant of **Rs 30,000** for **Young Scientist Fellowship**, on 12th April 2017.
- Tamil Nadu State Council for Science and Technology (TNSCST) received a grant of **Rs 10,000** for **Best Student Project Award**, on 12th April 2017.
- DST – IDP, New Delhi received a grant of **Rs 35.02 Lakhs** for a project on “Design, Development and Validation of Thermo cyler and Real Time Cyler (DNA amplification Instrument) mostly used in disease diagnosis”, on March 2017.

Reviewer for Journal

- Inderscience Publications - International Journal of Environment and Sustainable Development
- Premier Publishers - International Research Journal of Materials Science and Engineering

Subjects Handled for UG Students

Name of the Subject:	Design of Machine Elements	Design of Transmission Systems
	Strength of Materials	Fluid Mechanics and Machinery
	Hydraulics and Pneumatics	Rapid Prototyping
	Unconventional Machining Process	Engineering Graphics
	Total Quality Management	Metrology and Quality Assurance
	Engineering Economics	Basics of Mechanical Engineering
	Engineering Ethics	Tool Design and Manufacturing
	Industrial Robotics	Tribology in Design

Subjects Handled for PG Students

Name of the Subject: Advanced Mechanisms Design & Simulations
 Advanced Strength of Materials
 Engineering System Dynamics
 TRIZ for Product Development

Guest Lecture Delivered

S. No	Description	Institution	Date / Duration
1	Design of Machine Elements	CK College of Engineering and Technology, Cuddalore	Nov 2011
2	Design of Transmission Systems	CK College of Engineering and Technology, Cuddalore	Feb 2012
3	Design of Machine Elements	CK College of Engineering and Technology, Cuddalore	Nov 2014
4	Studies on Tribological Properties of Metal Matrix Composites	Sri Krishna College of Technology, Coimbatore	May 2015

5	Studies on Tribological Properties of Metal Matrix Composites	Sri Krishna College of Technology, Coimbatore	June 2015
6	Free and forced vibrations	SNS College of Engineering, Coimbatore	May 2016
7	Design of Transmission Systems	Nandha Engineering College, Perundurai	April 2017
8	Ferrous Alloy	Vidyaa Vikas College of Engineering and Technology, Thiruchengodu	22 nd July 2017
9	Design of Machine Elements	Nandha College of Technology, Perundurai	20 th & 23 rd October 2017
10	Design of Thread Fasteners	Nandha College of Technology, Perundurai	10 th September 2018
11	Design of Bearings	Nandha College of Technology, Perundurai	23 rd September 2018
12	Complex Mechanisms	One week FDP on Vehicle Dynamics at Bannari Amman Institute of Technology, Sathyamangalam	9 th March 2019
13	Applications of 3D Printing in Medical and Aerospace Industries	Department of Mech Engg, BIT, Sathy	30 th Sep 2019

Programme Organized

- One day workshop on Composite Materials
- National Conference on 'Optimization Techniques in Engineering Sciences and Technologies' for four consecutive years
- More than ten guest lecture programmes have been arranged for the benefit of students and faculty through ISTE.

- One day workshop on ‘Tool Design and Manufacturing’, Presented by Mr. A Chellathurai, Associate Head, Tool Room Roots Precision Products Private Limited, Coimbatore, on 17th September 2016.
- Competition for Contraption event has been organized on 23rd Feb 2017, four no-of teams participated.
- Competition for Contraption event has been organized on 7 – 9th September 2017, Six no-of teams participated.
- One day seminar on “Scanning Electron Microscope” by Carl Zeiss Pvt. Ltd., Bangalore, on 1st November 2017.
- Six days Faculty Development Program on “Vehicle Dynamics” Sponsored by AICTE – Margdarshan Scheme during 04th – 09th February 2019.
- One day workshop on Applications of 3D Printing in Medical and Aerospace Industries, sponsored by ISTE, on 30th August 2019.
- International Conference on ‘The International Conference on Advances in Materials Processing and Characterization (ICAMPC 2019)’ on 10 & 11th September 2019.
- International Conference on ‘The International Conference on Advances in Materials Research and Characterization (ICAMR 2019)’ on 10 & 11th September 2019.

Projects Guided for UG Students

No-of Projects Guided : Forty projects

Projects Guided for PG Students

No-of Projects Guided : Sixteen projects

Memberships

- ISTE - The Indian Society for Technical Education Life member (LM 71300)
- IAAC - International Association of Academic plus corporate Society (19IND524101A94)
- IFERP - Institute For Engineering Research and Publication (PM29854017)

IT Skills

Operating System : Microsoft - Windows / Linux.

Office Suit : Microsoft - Office

Technical Software's

Currently Working : AutoCAD 20.1, Creo Parametric, Solid works & CATIA V5
Other Known Software : Ansys

Personal Information

Father's Name : Mr P Appusamy (Late)
Permanent Address : 332/F, Main Road, Kavandapadi Pudur,
Kavandapadi, Bhavani(TK)- 638 455, Erode – District,
Tamil Nadu, India
Google Scholar link : <https://scholar.google.co.in/citations?user=UZZdsIIAAAJ&hl=en>
linkedin : <https://www.linkedin.com/in/dr-a-anandha-moorthy-b1747649/>
ResearchGate : https://www.researchgate.net/profile/Anandha_Moorthy4
Date of Birth : 22-05-1978
Marital Status : Married
Sex : Male

Declaration

I hereby declare that the above furnished details are true to the best of my knowledge.

Place : Bhavani

Date :

(Dr A Anandha Moorthy)