

CURRICULUM VITAE

Dr.Pon. Azhagiri

Assistant Professor

Department of Mechanical Engineering
UCE – BIT Campus, Tiruchirappalli 620 024

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Research Area:

Machine design, Rigid and Flexible link Mechanisms

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (MECHANICAL)	University College of Engineering / Anna University	2021	-	-
PG (ENGINEERING DESIGN)	Govt. College of Engineering-Tirunelveli / Anna University	2005	75	FWD
UG (MECHANICAL)	Thanthai Periyar Govt. Institute of Technology Vellore/ University of Madras	2001	66	FC

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
University College of Engineering , BIT Campus Tiruchirappalli	Assistant Professor	11-09-2008	Till date	14Y
SRM University, Ramapuram Campus Chennai	Lecturer	16-07-2008	09-09-2009	One year
TJ Institute of Technology, Karapakkan Chennai	Lecturer	29-06-2006	15-07-2008	2 years
PSN College of Engineering and Technology, Tirunelveli	Lecturer	27-06-2005	28-06-2006	1 Year

➤ **Awards / Honours Received:**

- Awarded as NPTEL – Silver Medalist- in the course “Basics of Finite Element Analysis - I” with a score of 81% in online exam held in Feb-Apr 2019.
- Awarded as NPTEL – Topper - Gold Medalist in the course “Theory of Elasticity” with a score of 95% in online exam held in Jul-Oct 2018.
- Received Best Paper Award for "Experimental Investigation of Automotive Compliant Suspension System" In the International Conference on Contemporary Design and Analysis of Manufacturing and Industrial System, During 18-20 January 2018 , held at National Institute of Technology , Tiruchirappalli.

➤ **Additional / Academic Responsibilities at University/Institute:**

Sl.No.	Responsibilities	Duration	
1	Department IQAC Coordinator	June 2021	Till date
2	Department Placement Coordinator	June 2017	Till date
3	Dynamics lab in-charge	June 2015	Till date
	Purchase Committee Member (Boys Hostel)	June 2014	Till date
4	Deputy Warden (Boys Hostel)	June 2014	Till date
5	Department TEQIP Coordinator	June 2013	Till date
6	Department Cultural Coordinator	June 2013	Till date
7	Department EDUSAT Coordinator	June 2013	Till date
8	Strength of Materials lab in-charge	June 2010	Till date

➤ **Membership of Scientific and Professional Societies:**

1. Life Member of ISTE
2. Life Member of SRESA

➤ **Fellowships and Grants received:**

- NIL

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 20 Nos
- b. Number of UG Project Completed: 60 batches

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	NIL			

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	NIL			

➤ **Publications:**

a. **Books / book chapters:**

Nil

b. **International Journals**

Authors	Title	Publication	Pages	Year
<u>Azhagiri Pon,</u> <u>K Subramanian,</u> <u>P Gopal,</u> and <u>K Palanikumar,</u>	Optimal shape selection of pseudo-rigid-body model compliant centrifugal clutch manufactured by thermoplastics using TOPSIS approach”, 2023, Journal of Thermoplastic Composite Materials,	Journal of Thermoplastic Composite Materials,	-	2023
Pon Azhagiri, N. Senthilkumar, K. Palanikumar, B. Deepanraj,	Mechanical properties evaluation on hybrid AA6026 composites added with nanoclay and carbon fibers	Carbon Letters,	-	2023
P. Sathishkumar, V. Deepakaravind, P. Gopal, Pon Azhagiri,	Analysis the mechanical properties and material characterization on Magnesium Metal Matrix Nano composites through stir casting process	Materials Today: Proceedings	7436-7441.	2021

Deepakaravind Vijayakumar, Gopal Poomanandan , Sathishkumar Paramasivam , Azhagiri Pon,	Micro structure and finite element analysis of fitness and unfitness square butt joint of aluminium based nano composite plates	Materials today: Proceedings	7418- 7429.	2021
Pon. Azhagiri, K. Subramanian, P. Gopal, D. Mala,	Performance analysis of compliant polymer centrifugal clutch pertaining to frictional heat transfer	Journal of the Balkan Tribological Association	779- 792.	2019

Patents: Nil

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
<u>NIL</u>					

➤ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration
<u>NIL</u>					

➤ **List of Seminar / Short Term Course / FDP/ Workshop organized:**

Sl No	Course Title	No. Of Days	Organizing institution and Sponsor
1	A WALK WITH NANOCALOR	1	Anna university, BIT campus Trichy under TEQIP

➤ **List of Seminar / Short Term Course / FDP/ Workshop attended:**

Sl No	Course Title	Duration			Organizing institution and Sponsor
		From	To	No.Of Days	
1.	,"Numerical Methods and Statistical Tools in Engineering,	09/06/16	22/06/16	14	UCE,BIT Campus ,Trichy under TEQIP II With NASSCOM

2	Nano Technology Applications in Engineering and Technology	06-05-2015	19-05-2015.	14	UCE,BIT Campus ,Trichy under TEQIP II
3	Automotive Pollution and Control	01-06-2016	08-06-2016	8	UCE,BIT Campus ,Trichy under Anna University
4	Finite Element Analysis	04-12-2014	10-12-2014.	7	UCE,BIT Campus ,Trichy under Anna University

➤ **National / International Conferences organized / Participated:**

NATIONAL CONFERENCE				
C Saravanan, Azhagiri Pon, A Kanthasamy	Fabrication And Analysis of Aluminium Based SIC Metal Matrix Composites”,	TEQIP II & SAEINDIA sponsored National conference on Innovations in Engineering Design, NIED14	252-255	2014
Dr.T.Parameshwaran Pillai, Azhagiri Pon, Mahendravaman R	Optimization Of Machining Parameters in Drilling Al Alloy Using Taguchi and ANOVA Approach	TEQIP II & SAEINDIA sponsored National conference on Innovations in Engineering Design, NIED14	213-217	2014
K.Naveen, D.B.Sivakumar, Azhagiri. Pon,	Performance Optimization of Variable Compression Ratio Diesel Engine with Ziziphus Jujuba Oil Using Surface Response Method	TEQIP II & SAEINDIA sponsored National conference on Innovations in Engineering Design, NIED14	96-202.	2014
INTERNATIONAL CONFERENCE				
Azhagiri Pon. K.Subramanian, P.Gopal	Experimental Investigation of Automotive Compliant Suspension System ", International Conference on Contemporary Design and Analysis of Manufacturing and Industrial System	organized by National Institute of Technology , Tiruchirappalli during 18-01-2018 to 20-01-2018.	-	2018

<p>Azhagiri Pon, K.Subramanian, P.Gopal</p>	<p>Synthesis, Design and Analysis of Compliant Centrifugal Clutch and Validation through Experimental Analysis ", International Conference on Contemporary Design and Analysis of Manufacturing and Industrial System</p>	<p>organized by National Institute of Technology, Tiruchirappalli during 18-01-2018 to 20-01-2018.</p>	<p>-</p>	<p>2018</p>
<p>N. Senthilkumar, Azhagiri Pon, T. Tamizharasan,</p>	<p>A Finite Element Simulation Study on Effects of Variation in Machining and Geometrical Parameters in Turning</p>	<p>International Mechanical Engineering Congress. held at National Institute of Technology , Tiruchirappalli during 13-06-2014 to 15-06-2014.</p>	<p>-</p>	<p>2014</p>

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

- University Affiliation Committee Member

(A) Chairperson for conferences / Seminar / Technical symposia:

- NIL

(B) Guest lecturers delivered:

1. Delivered a lecture on the topic "Finite Element Analysis using ANSYS" -on 26-06-2021 in the Faculty Development Training programme on ME8692- Finite Element Analysis, sponsored by Centre for Faculty development, Anna University, Chennai, held at University College of Engineering, BIT Campus, Tiruchirappalli – 620024.
2. Delivered a lecture on the topic "Torsion of Non-Circular Shafts " -on 17-12-2018 in the Faculty Development Training programme on ME6603 – Finite Element Analysis, sponsored by Centre for Faculty development, Anna University, Chennai, held at Government College of Engineering, Sengipatti.
3. Delivered a lecture on the topic " Thermodynamic Relations " -on 21-06-2018 in the Faculty Development Training programme on Engineering Thermodynamics, sponsored by Centre for Faculty development, Anna University, Chennai, held at University College of Engineering, Kanchipuram.
4. Delivered a lecture on the topic " Ideal and Real Gases " -on 20-06-2018 in the Faculty Development Training programme on Engineering Thermodynamics, sponsored by Centre for Faculty development, Anna University, Chennai, held at University College of Engineering, Kanchipuram.

5. Delivered a lecture on the topic "Forces in Space - Equilibrium of a Particle in space - Equivalent system of forces " -on 19-12-2017 in the faculty training programme on Engineering Mechanics, sponsored by Centre for Faculty development, Anna University, Chennai, held at University College of Engineering, Kanchipuram.
6. Delivered a lecture on the topic "Bearings" -on 18-05-2017 in the faculty training programme on ME6503- Design of machine Elements, sponsored by Centre for Faculty development, Anna University, Chennai, held at University College of Engineering, Panruti.