ANNA UNIVERSITY :: CHENNAI - 600 025

CENTRE FOR RESEARCH

Affix recent Passport size Colour Photo
Photograph should be attested by the Head of the Institution / Organization.

FACULTY PROFILE

(Applicable to Faculty having Ph.D. qualification**)**

1. Name of the faculty member : K.Elangovan

2. Designation : Professor

3. Department : Mechanical Engineering

4. Office Address with Contact Nos. : Department of Mech.Engg.

Sir Issac Newton College of Engg.&Tech

Velankanni Road, Pappakoil, Nagapattinam,

Tamil Nadu 611102

Phone: 04365 220 262 Mobile: + 91 9789899101 Email:aco@sincet.ac.in

5. Anna University Ref. No. for Supervisor Recognition : 1920093

6. Working since (In Present Department of the Institution): September 2022

7.Minimum of One year Completed in the

*Present Department of the Institution : From: September 2022 To: October 2023

(*Note: Attach proof of Joining report, appointment order, attendance record for past one year of the faculty and duly signed by principal)

8. Gender : Male

9. Date of Birth & Age : 28.09.1962

10. Educational Qualification *:

Category	Name of the Degree	Name of the University	Year of Passing	Specialization	% of Marks / Grades obtained	Mode Regular/ Part-time/ Distance/ week-end
UG	B.E	Annamalai university	1990	Mechanical	67%First Class	Part time
PG	M.E	Annamalai university	1996	Manufacturing	79%/Distinction	Part time
Ph.D.		Annamalai university	2007	Manufacturing	-----	Part time

* ***Attested photocopy of degree certificate shall be enclosed***

11. Professional Experience:

Sl. No	College/Organization Name	Period From To	Department Name	Designation	Total period	Nature of work
1.	University of Technology &Applied Science - (IbriCT) ,Ibri,Oman	2013 -2021	Mechanical	Head of Section	9 years	Admin, Teaching &Research
2.	SSN College of Engineering, Kalavakkam, Chennai	2011- 2013	Mechanical	Professor	2 Years	Teaching, &Research
3.	Nizwa College of Technology, Ministry of manpower, Sultanate of Oman	2008 - 2010	Mechanical	Lecturer	2 Years	Teaching, &Research
4.	Sathyabama University, Chennai, Tamilnadu	2007- 2008	Mechanical	Professor	1 year 3 months	Teaching, &Research
5.	AVC College of Engineering, Tamil Nadu, India	1999- 2006	Mechanical	Asst. Professor	7 Years	Teaching, &Research

12. a. Title of Ph.D. Thesis : Some Investigations on Friction Stir Welding of Age Hardenable Aluminium Alloys

b. Faculty in which Ph.D. was awarded : Manufacturing Engineering

c. Area of specialization in Ph.D. : Material Joining & Processing

13. List of Granted Patents

Sl. No.	Name of the Applicant	Title of the Granted Patent	Application No.	Year of Granted
1	1. Dr. T. Prabakaran **2.Dr. A. Kumaravadivel** 3.Dr. K. Elangovan 4.Dr. K. Periasamy 5.Dr. G. Mahadevan 6. Dr. B. Gobalakrishnan	Car Back Seat Folded Trunk Tray	202341010839 A	Publication Date : 24/03/2023
2	1. Sir Issac Newton College of Engg and tech-Dr.K.Elangovan et al	Coconut Scrapper Machine	202341074049	19/01/2024

14.List of Journals papers published as **full-length research article in regular issue** available in the '**Journal list'** of CFR website:

Sl. No.	Author's	Title of the Paper	Name of the Journal	URL of the Journal Home Page	Volume, Issue no & Year of Publication	ISSN No.	DOI No.	List the Journal Sl. No. in the Journal List of CFR Website
1.	Lakshminarayanan, A.K., Annamalai, V.E., Elangovan, K.	Identification of optimum friction stir spot welding process parameters controlling the properties of low carbon automotive steel joints	Journal of Materials Research and Technology	https://www.sciencedirect.com/journal/journal-of-materials-research-and-technology	2015, 4(3), pp. 262–272	2238-7854	https://doi.org/10.1016/j.jmrt.2015.01.001	4793
2.	Babu, S., Elangovan, K., Balasubramanian, V., Balasubramanian,M.	Optimizing friction stir welding parameters to maximize tensile strength of AA2219	Metals and Materials International	https://link.springer.com/journal/12540	2009, 15(2), pp. 321–330	1598-9623	https://doi.org/10.1007/s12540-009-0321-3	5177
3.	Elangovan, K., Balasubramanian, V., Babu, S.	Predicting tensile strength of friction stir welded AA6061 aluminium alloy joints by a mathematical model	Materials and Design	https://www.sciencedirect.com/journal/materials-and-design	2009, 30(1), pp. 188–193	0264-1275	https://doi.org/10.1016/j.matdes.2008.04.037	2088
4.	Elangovan, K., Balasubramanian, V., Babu, S.	Developing an empirical relationship to predict tensile strength of friction stir welded AA2219 aluminum alloy	Journal of Materials Engineering and Performance	https://link.springer.com/journal/11665	2008, 17(6), pp. 820–830	1059-9495	https://doi.org/10.1007/s11665-008-9240-6	10791

5.	Elangovan, K., Balasubramanian, V.	Influences of post-weld heat treatment on tensile properties of friction stir-welded AA6061 aluminum alloy joints	Materials Characterization	https://www.sciencedirect.com/journal/materials-characterization	2008, 59(9), pp. 1168–1177	1044-5803	https://doi.org/10.1016/j.matchar.2007.09.006	2089
6.	Elangovan, K., Balasubramanian, V., Valliappan, M.	Influences of tool pin profile and axial force on the formation of friction stir processing zone in AA6061 aluminium alloy	International Journal of Advanced Manufacturing Technology	https://link.springer.com/journal/170	2008, 38(3-4), pp. 285–295	0268-3768	https://doi.org/10.1007/s00170-007-1100-2	4302
7.	Elangovan, K., Balasubramanian, V.	Influences of tool pin profile and welding speed on the formation of friction stir processing zone in AA2219 aluminium alloy	Journal of Materials Processing Technology	https://www.sciencedirect.com/journal/journal-of-materials-processing-technology	2008, 200(13), pp. 163–175	2238-7854	https://doi.org/10.1016/j.jmatprotec.2007.09.019	4793
8.	Elangovan, K., Balasubramanian, V., Valliappan, M.	Effect of tool pin profile and tool rotational speed on mechanical properties of friction stir welded AA6061 aluminium alloy	Materials and Manufacturing Processes	https://www.tandfonline.com//journals/lmmp20	2008, 23(3), pp. 251–260	1042-6914	https://doi.org/10.1080/10426910701860723	5126

Signature of the Faculty
(Name with seal)

Signature of Head of the Institution (Name with seal)