




## AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

Ph: 044 – 26842627 / 26842086

### DEPARTMENT OF MECHANICAL ENGINEERING

<b>NAME &amp; INITIALS</b>	Dr.S.RAMKUMAR	
<b>DESIGNATION</b>	ASSISTANT PROFESSOR	
<b>EDUCATIONAL QUALIFICATION</b>	B.E, M.E., PhD	
<b>EXPERIENCE</b>	9 YEARS	
<b>DATE OF JOINING</b>	13 / 08 / 2015	
<b>EMAIL ID</b>	s.ramkumar@aalimec.ac.in	
<b>AREA OF SPECIALISATION</b>	COMPOSITES, NDT.	

### EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
B.E	MECHANICAL	ANNAMALAI UNIVERSITY	ANNAMALAI UNIVERSITY	2006
PGDC	WELDING	IIT-Madras	IIT-Madras	2008
M.E	MECHANICAL	BITS-PILANI	BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE PILANI	2012
PhD	COMPOSITES, NDT AND WELDING	NATIONAL INSTITUTE OF TECHNOLOGY – TIRUCHIRAPPALLI	NATIONAL INSTITUTE OF TECHNOLOGY – TIRUCHIRAPPALLI	2020

### PROFESSIONAL MEMBERSHIPS

INDIAN SOCIETY OF TECHNICAL EDUCATION (ISTE)
INTERNATIONAL ASSOCIATION OF ENGINEERS
SEEK DIGITAL LIBRARY
INSTITUTE OF RESEARCH ENGINEERS AND DOCTORS

#### FDP ATTENDED

Participated in One day Faculty Development Program on **“Challenges in Building Collaborations in Research and Innovation”** conducted on 09-05-2020 at Dr. MGR Educational and Research Institute.

Participated in Online FDP on **“Significance of Course Files & How to use it for PDCA in OBE”** Conducted at Rajalakshmi Engineering College on June 4<sup>th</sup> 2020.

Participated in Two Weeks Faculty Development Program on **“Managing Online Classes and Co-Creating Moocs”** f from April 20 to May 06, 2020sponsored by Human Resources and Development.

Participated in Online FDP on **“Faculty Role in Sar”** conducted on 10<sup>th</sup> June 2020 at Rajalakshmi Engineering College.

#### WORKSHOPS ATTENDED

DRDO sponsored two days workshop on composite manufacturing. Organized by SA engineering college.

Participated in One Day Online Workshop on **“Challenges & Opportunities in FSW of Mg Alloys”** on 13<sup>th</sup> June 2020 at S.A. Engineering College.

#### SEMINARS ATTENDED

Participated in the online Super Session on **“ Improving the Skill Set & Changing the Attitude “** Conducted on 05 June 2020 by ICT Academy.

Participated in the webinar on **“Fundamentals of Strength of Materials”** organises by Chennai Institute of Technology on 29<sup>th</sup> April 2020.

Participated in the webinar on **“Sustainable Entrepreneurial Sprit – Post Covid19”** Organized by Aalim Muhammed Salegh College on Engineering on 09<sup>th</sup> May 2020.

#### PUBLICATION DETAILS

Ramkumar Sathiyamurthy, Muthukannan Duraiselvam, ‘Selective ablation of CFRP composite to enhance adhesion bonding’, Materials and Manufacturing Processes, Vol(34), Issue-11, 2019.

Sathyavageswaran Sathish, Sathiyamurthy Ramkumar, Manivasagam Geetha, “Drilling performance and wear characteristics of coated drill bits during drilling reinforced concrete”, International Journal of

Applied Ceramic Technology, Vol(16), 2019.

Ramkumar Sathiyamurthy, “Artificial neural network prediction of ultimate tensile strength of randomly oriented short glass fibre-epoxy composite specimen using acoustic emission parameters”, Advanced Composites Letters, Vol: 24, Issue:5, 2015.

Ramkumar Sathiyamurthy, Muthukannan Duraiselvam, “A combined artificial neural network and acousto-ultrasonic approach towards prediction of tensile strength of glass fiber reinforced composite”, International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems, Accepted article. (Organized by Department of Production Engineering, NIT-T).

Ramkumar ,R. Sathiyamurthy, M.Duraiselvam, P.Sevvel, “Acoustic emission based deep learning technique to predict adhesive bond strength of laser processes CFRP Composites”

Ramkumar.R., M. Varatharajulu, M Duraiselvam, K .Arum Kumar, “Experimental Investigation of the effect of independent parameter face milling of aluminium 6082 alloy” Transaction of the Indian Institute of Metals 74(3), 659-677.

#### **CONFERENCE DETAILS**

International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems, Organized by Department of Production Engineering, NIT-T.

#### **PATENTS FILED**

Filed a Patent on “MACHINE VISION BASED IoT ENABLED SPINACH HARVESTING ROBOT WITH SEMI-MANUAL CONTROL”. Filed on 24/01/2022. Application No: 202241003876