

<i>Name</i>	Mr.R.Ranjith Kumar
<i>Designation</i>	Assistant Professor
<i>Contact details (Phone number & Official Mail ID)</i>	+91 9884664188, ranjithkumarr@stjosephstechnology.ac.in
<i>Date of birth</i>	10.04.1987
<i>Qualification:</i>	M.E (Ph.D)
<i>Years of Experience:</i>	Total of 10 years 09 months
	Teaching: 10 years 09 months
	Industry: NIL
<i>Subjects handled:</i>	ENGINEERING GRAPHICS, BASIC CIVIL&MECHANICAL ENGINEERING, MANUFACTURING TECHNOLOGY-I & II STRENGTH OF MATERIALS, RENEWABLE ENERGY SOURCES, ENVIRONMENTAL SCIENCE & SUSTAINABILITY, MECHATRONICS, AUTOMOBILE ENGINEERING, PROCESS PLANNING AND COST ESTIMATION, PRODUCTION PLANNING AND CONTROL, PRINCIPLES OF MANAGEMENT, PROFESSIONAL ETHICS.
<i>Area of research:</i>	WIRE CUT EDM
<i>Guide ship Details:</i>	NA
<i>Research Guidance:</i>	-
<i>Awards and Achievements(Journal editors):</i>	NA
<i>Journal Publication Details:</i>	<ol style="list-style-type: none"> 1. Experimentally Investigating the Flat Plate Solar Water Heating System (FPSWHS) for South Indian Climate T.S.Senthil, M Porkodi, R. Ranjith Kumar, T Vijay Muni, M. S. Karuna, Ram Subbiah 2. optimization and electro chemical grinding surface investigation on eglin steel G R Kannan, B.VijayaKumar, T.S.Senthil, Prashant sunagar, R.Ranjith Kumar, Lukesh Parida, Ram Subbiah 3. Analyzing the Emission Characteristics of a Catalytic Converter using a Nano-ZnO Coating Hasan Kotena, A. Maria Jackson, R Rajaprasanna, R. Ranjith Kumar, Pamula Keerthana, Naresh BabuGatchakayala 4. Emulation Of Multi-Rotor Functionalities In Fixed Wing Airplane For Farm Based Land Surveillance With Controlled Fluid Dispersion System

	<p>Aagashram Neelkandan, Chellakrishnan V, Ajay Antuvan M, Avinash M R. Ranjith Kumar, G. Velmurugan, Jasgurpreet Singh Chohan, R. Sathish, Ramesh Velumayil, R. Ranjith Kumar, D. Elil Raja, M. Nagaraj & A. John Presin Kumar, Exploring Mechanical and Flammability Traits in Hybrid Composites of Crown Flower/Nano SiO₂/4ZnO·B₂O₃·H₂O under Cryogenic Conditions: an Experimental Study, 2024. C. Sailaja , N. Mohanrajhu , B. Kiran Kumar , K.C. Nithin Kumar , R. Ranjith Kumar, V. Jaiganesh "Friction welding process with SFPC consumable pin applied on stainless steel duplex SAF 2205" S. Ravindran, N. Mohanrajhu, A.D. Urade, Yatika Gori, R. Ranjith Kumar, T. Sathish "Study of microstructural, chemical and microhardness characterization of stainless steels"</p>			
Book and Chapter Publications:	NA			
International Conference:	Emulation Of Multi-Rotor Functionalities In Fixed Wing Airplane For Farm Based Land Surveillance With Controlled Fluid Dispersion System Aagashram Neelkandan, Chellakrishnan V, Ajay Antuvan M, Avinash M R. Ranjith Kumar ,			
National Conference:	NA			
Patent:	1. AN APPARATUS FOR OBTAINING DISPERSED CARBON NANOTUBES USING LIQUID NITROGEN TREATMENT. 2. FUEL CELL FIXTURE 3. A MODERN MACHINE TO EXTRACT WATER FROM AIR USING WIND ENERGY			
FDP/Workshop/STTP attended:	ADVANCE APPLICATION IN COMPOSITE MATERIALS	VEL TECH HIGH TECH	6 DAYS	17-05-2021 TO 22-05-2021
	FUNDAMENTALS OF FINITE ELEMENT ANALYSIS AND ITS APPLICATION IN ENGINEERING	PANIMALAR INSTITUTE OF TECCHNOLOGY	6 DAYS	15-02-2021 TO 20-02-2021
	INNOVATIVE TEACHING LEARNING METHOD	Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering	3 DAYS	10-05-2021 TO 12-05-2021
	"EMERGING OPTIMIZATION TECHNIQUES FOR ENGINEERING APPLICATIONS"	Indian Institute of Information Technology Design and Manufacturing, Kurnool	2 weeks	19-04-2021 TO 30-04-2021
	EMERGING TRENDS IN MECHANICAL ENGINEERING - 2021	MAHARISHI MARKANDESWAR - DEEMED UNIVERSITY	6 days	22-3-21 TO 27-03-21
	Sustainable Industrial Development through Industry 4.0	Chennai Institute of technology	6 days	1.3.21 to 6.3.21
	SHORT TERM COURSE ON LEAN MANUFACTURING AD	NIT TRICHY	5 DAYS	04-01-2021 TO 08-01-2021

	INDUSTRY 4.0			
	THERMAL ENERGY STORAGE FOR BUILDING APPLICATIONS	NIT ROURKELA	5 DAYS	25-01-2021 TO 29-01-2021
	MANUFACTURING PROCESS TECHNOLOGY I & II	NPTEL	1.5 WEEKS	
	THERMAL POWER AND ENERGY ENGINEERING	NITTTR CHENNAI	5 DAYS	24-05-2021 TO 28-05-2021
	ONLINE WORKSHOP ON ADDITIVE MANUFACTURING	NIT TRICHY	6 DAYS	02-11-2020 TO 07-11-2020
	ADVANCED MANUFACTURING TECHNOLOGY	KARPAGAM COLLEGE OF ENGINEERING	1 WEEK	28-06-2020 TO 04-07-2020
	purely fundamentals of mechanical engineering	chennai institute of Technology	6 days	01-06-2020 to 05-06-2020
	Modern material and Industrial Automation	SAIRAM INSTITUTE OF TECHNOLOGY	1 WEEK	20-06-2020 TO 25-06-2020
	NANO MATERIALS SYNTHESIS PROCESS CHARACTERIZATION AND ITS FUNCTIONAL APPLICATION	HIDUSTAN COLLEGE OF ENGINEERING AND TECHNOLOGY	1 WEEK	06-07-2020 TO 11-07-2020
	ROBOTICS	ATAL FDP	1 WEEK	11-06-2020 TO 15-06-2020
	ADVANCES IN ADDITIVE MANUFACTURING	YESHWANTRA O CHAVAN COLLEGE OF ENGINEERING	1 WEEK	20-07-2020 TO 25-07-2020
	recent trends in mechanical engineering	egs pillay engineering college	6 days	15/06/2020 TO 20/06/2020 / 6 DAYS
	Futuristic Research in Mechanical Engineering	SRM Institute of Science and Technology, Ramapuram Campus	Two Weeks	08th August to 13th August 2022
	FUNDAMENTALS OF MANUFACTURING PROCESSES	NPTEL , IIT Madras	One and half week	sep-oct 2022
	INNOVATIONS IN MATERIAL AND MANUFACTURING PROCESSES	VEMBU INSTITUTE OF TECHNOLOGY	6 days	21-06-21 TO 25-06-21
	Advances in Composite Materials, Manufacturing processes and optimization Techniques	Academy of Maritime Education and Training	2 WEEKS	01-06-2021 to 14-06-2021
	3D - PRINTING AND DESIGN	ATAL - FDP	1 WEEK	06-07-2021 TO 10-07-2021
	ADVANCEMENT IN MECHANICAL AND	ARASU ENGINEERING	1 WEEK	03-08-2021 TO 08-08-2021

	AUTOMOBILE ENGINEERING	COLLEGE		
	ROBOTICS	ATAL FDP	1 WEEK	20-12-2021 TO 24-12-2021
	Autodesk Inventor	St.Joseph's Institute of Technology	6 days	13.06.2016 to 18.06.2016
	GE-8292 Engineering Mechanics	Dept of Mech, St.Joseph's Institute of Technology	2Days	8.12.2017 to 9.12.2017
	CONCEPTS, TECHNIQUES & PRACTICES OF SURFACE NDT METHODS	National Skill Training Institute, Chennai	5 days	05.11.2018 to 09.11.2018
FDP/Workshop/STTP Conducted:	NA			
Online Courses:	ADVANCE APPLICATION IN COMPOSITE MATERIALS	VEL TECH HIGH TECH	6 DAYS	17-05-2021 TO 22-05-2021
	FUNDAMENTALS OF FINITE ELEMENT ANALYSIS AND ITS APPLICATION IN ENGINEERING	PANIMALAR INSTITUTE OF TECCHNOLOGY	6 DAYS	15-02-2021 TO 20-02-2021
	INNOVATIVE TEACHING LEARNING METHOD	Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering	3 DAYS	10-05-2021 TO 12-05-2021
	"EMERGING OPTIMIZATION TECHNIQUES FOR ENGINEERINGAPPLICATIONS"	Indian Institute of Information Technology Design and Manufacturing, Kurnool	2 weeks	19-04-2021 TO 30-04-2021
	EMERGING TRENDS IN MECHANICAL ENGINEERING - 2021	MAHARISHI MARKANDESWAR - DEEMED UNIVERSITY	6 days	22-3-21 TO 27-03-21
	Sustainable Industrial Development through Industry 4.0	Chennai Institute of technology	6 days	1.3.21 to 6.3.21
	SHORT TERM COURSE ON LEAN MANUFACTURING AND INDUSTRY 4.0	NIT TRICHY	5 DAYS	04-01-2021 TO 08-01-2021
	THERMAL ENERGY STORAGE FOR BUILDING APPLICATIONS	NIT ROURKELA	5 DAYS	25-01-2021 TO 29-01-2021
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	ADDITIVE MANUFACTURING		DAYS	07-11-2020
	ADVANCED MANUFACTURING TECHNOLOGY	KARPAGAM COLLEGE OF ENGINEERING	1 WEEK	28-06-2020 TO 04-07-2020
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	ROBOTICS	ATAL FDP	1 WEEK	11-06-2020 TO 15-06-2020
	ADVANCES IN ADDITIVE MANUFACTURING	YESHWANTRA O CHAVAN COLLEGE OF ENGINEERING	1 WEEK	20-07-2020 TO 25-07-2020
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	Futuristic Research in Mechanical Engineering	SRM Institute of Science and Technology, Ramapuram Campus	Two Weeks	08th August to 13th August 2022
	FUNDAMENTALS OF MANUFACTURING PROCESSES	NPTEL , IIT Madras	One and half week	sep-oct 2022
	INNOVATIONS IN MATERIAL AND MANUFACTURING PROCESSES	VEMBU INSTITUTE OF TECHNOLOGY	6 days	21-06-21 TO 25-06-21
	Advances in Composite Materials, Manufacturing processes and optimization Techniques	Academy of Maritime Education and Training	2 WEEKS	01-06-2021 to 14-06-2021
	3D - PRINTING AND DESIGN	ATAL - FDP	1 WEEK	06-07-2021 TO 10-07-2021
	ADVANCEMENT IN MECHANICAL AND AUTOMOBILE ENGINEERING	ARASU ENGINEERING COLLEGE	1 WEEK	03-08-2021 TO 08-08-2021
	ROBOTICS	ATAL FDP	1 WEEK	20-12-2021 TO 24-12-2021
	Autodesk Inventor	St.Joseph's Institute of Technology	6 days	13.06.2016 to 18.06.2016
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	CONCEPTS, TECHNIQUES & PRACTICES OF SURFACE NDT METHODS	National Skill Training Institute, Chennai	5 days	05.11.2018 to 09.11.2018
<i>Funded Projects:</i>	NA			
<i>Consultancy work:</i>	NA			
<i>Professional Body Membership:</i>	MISTE			