

Department of Mechanical Engineering
UCE- PanrutiPanikkankuppam, Chennai – Kumbakonam
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Dr. K. RAJMOHAN
Assistant Professor

➤ **Research Area:**

Machining, Optimization and Manufacturing

➤ **Educational Qualifications:**

Qualification	Department	Year(From - To)	%	Class
Ph.D.	Faculty of Mechanical Engineering	2011 – 2017	-	-
M.E. Engineering Design	Mechanical Engineering	2005 - 2007	72	First class
B.E.	Mechanical Engineering	1992-1996	61	First class
XII	-	1992	83.75	First class
X	-	1990	84	First Class

➤ **Experience:**

Name of Company / Institutions	Designation of Post	From	To	Relieved on	Scale of Pay	Experience in Year
University College of Engineering - Panruti	Assistant Professor	02.09.2009	Till Date	-	15600 – 39100 AGP: Rs.6000	09
SASTRA University , Thanjavur	Assistant Professor – II	01.04.2009	22.08.2009	22.8.2009	19500+DA+HRA	0.4
SASTRA University , Thanjavur	Lecturer	13.08.2007	31.03.2009	-	15500-500-20500	0.6
Vivekananda Polytechnic , Seplanatham , Neyveli -2	Lecturer	05.11.2001	31.07.2005	31.7.2005	Rs.4000	04

➤ **Awards:** NIL

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

1. Acting as “ Logistics Coordinator” at UCE-Panruti from 17.09.2012 to till date
2. Acting as “ Class Advisor “ for the students of Mechanical Engineering from the date of Inception (02.09.2009)
3. Acting as a member of “ Internal Quality Assurance Cell” of University College of Engineering Panruti, from 05.12.2018
4. Acting as HOD i/c from 25.04.2019 to Till Date

➤ **Professional Activities:**

- Have been handling classes for all years of Mechanical Engineering Students , First year and attending all COE related duties from the date of inception

- Acted as Jury and Keynote Speaker in “ International Conference on Progressive Research in Applied Sciences, Engineering and Technology (ICPRASET2K18), held on 23.03.2018 at Surya Group of Institutions , Vikiravandi , Tamilnadu – 605602
- Acted as Jury for the student’s level Internal Technical Symposia – 2014 “ Mechzion’14” held on 25.01.2014 in the department of Mechanical Engineering , IFET College of Engineering,Villupuram
- Served as Co-ordinator for the Centre for Faculty Development, Anna University , Chennai Sponsored One week FDTP on “ME 2353 Finite Element Analysis” , held at Department of Mechanical Engineering , University College of Engineering Panruti , Panruti , from 08.12.2014 to 14.12.2014
- Acted as Jury and Keynote Speaker in the national level Technical Symposium entitled “Mechsympo2K18” , held on 15.02.2018 at M.R.K. Institute of Technology , Kattumannarkoil
- Served as Co-ordinator for the Centre for Faculty Development, Anna University , Chennai Sponsored One week FDTP on “ME 2251 Heat and Mass Transfer” , held at Department of Mechanical Engineering , University College of Engineering Panruti , Panruti , from 16.12.2013 to 22.12.2013
- Served as Faculty coordinator for the National Level Technical Symposium “ Yantrika 2k19” , organized by the Department of Mechanical Engineering , University college of engineering Panruti , on 13.03.2019
- Appointed as Member of the Inspection Committee for affiliation of institutions for the academic year 2018-2019, by AU – CAI on 12.03.2018
- Acted as a Resource person and delivered lecture in the topic “ Class Room management” on 30.11.2018 in the FDTP on EE8401-Electrical Machines – II , organized by the Department of Electrical and Electronics Engineering, UCE Panruti

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

Permanent “ Associate Member” in Institution of Engineers India, Kolkata

➤ **Fellowships and Grants: NIL**

➤ **Completed B.E/M.E Projects:**

- Number of ME Projects Completed: 01 No.
- Number of BE Project Completed: 35Nos.

➤ **PhD Research Projects (Completed):** NIL

➤ **PhD Research Projects (Ongoing):** 02 Nos. Of Research Scholars Pursuing Ph.D. Parttime Under my Supervision

➤ **Sponsored Research Activities:** NIL

➤ **Consultancy Activities:** NIL

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended: (Within India)**

- Attended TEQIP II Sponsored Two Weeks FDTP entitled “ Thermal Engineering Applications for Sustainable Improvement (TEASI’15) ” , held at Department of Mechanical Engineering , Anna University – BIT Campus , Tiruchirappalli , from 15.06.2015 to 28.06.2015 (14 Days)
- Attended AICTE Sponsored Two Weeks FDTP on “ Advances in Research and Development of Intelligent Mobile Robots” held at Department of Mechanical Engineering , E.G.S.Pillay Engineering College , Nagapattinam, from 20.11.2017 to 03.12.2017 (14 Days)
- Attended Workshop on “ Part Programming and Operations on CNC Lathe Trainer and CNC Mill Trainer” held at Anna University, Chennai , conducted by Sine Wave Engineering Pvt Ltd , from 01.02.2016 to 05.02.2016 (05 Days)
- Attended Centre for Faculty Development, Anna University , Chennai Sponsored one week FDTP on “ME 6503 Design of Machine Elements” , held at

Department of Mechanical Engineering , University College of Engineering Panruti , Panruti , from 17.05.2017 to 23.05.2017 (07 Days)

- Attended Centre for Faculty Development, Anna University , Chennai Sponsored one week FDTP on “ME 6502 Heat and Mass Transfer ” , held at Department of Mechanical Engineering , University College of Engineering Villupuram, Villupuram , from 18.06.2018 to 24.06.2018 (07 Days)
- Attended AICTE Sponsored Two Weeks Staff Development Programme on “ Recent Research and Development in Manufacturing Process” held at Department of Mechanical Engineering , M.A.M. College of Engineering, Tiruchirappalli , from 29.04.2013 to 11.05.2013 (13 Days)
- Attended One day workshop on “ Research Methodology and Research Tools” ,held at PTR College of Engineering and Technology , Madurai on 14.07.2014 (01 Day)
- Attended Centre for Faculty Development, Anna University , Chennai Sponsored one week FDTP on “ME 2305 Applied Hydraulics and Pneumatics ” , held at Department of Mechanical Engineering , University College of Engineering Ariyalur, Ariyalur, from 23.06.2014 to 29.06.2014 (07 Days)
- Attended Three Days FDTP on “ ANSYS – An Introductory Training” , conducted by Department of Mechanical Engineering , National Institute of Technology , Tiruchirappalli , from 06.06.2014 to 08.06.2014 (03 Days)
- Attended AICTE Sponsored Two Weeks Staff Development Programme on “ Computational Techniques and its Applications in Engineering Research (CTAER – 2013)” held at Department of Mechanical Engineering , Pondicherry Engineering College, Puducherry , from 27.05.2013 to 07.06.2013 (12 Days)
- Participated in 03 days Autodesk Faculty development Program from 20.12.2018 to 22.12.2018 , held at University College of Engineering Villupuram , Villupuram.
- Attended the one day workshop on “ GenderSensitisation – Ideal work place behavior with regard to Act” , organized by POSH and CEW , for Anna University Faculties on 13th October 2018 at University College of Engineering Tindivanam.
- Attended Centre for Faculty Development, Anna University , Chennai Sponsored Two weeks FDTP on “ME 8493 Thermal Engineering I ” , held at Department of Mechanical Engineering , University College of Engineering Villupuram, Villupuram, from 01.12.2018 to 12.12.2018 (12 Days)
- Attended AICTE Sponsored Two weeks FDP on “ Challenges and Opportunities in Biomaterials Research”, held at V.R.S. College of Engineering and Technology, Arasur, Villupuramfrom 26.11,2019 to 09.12.2019 (14 Days)

➤ **International Conferences Participated:**

- Participated and Orally Presented a paper entitled “ A study on the obstacles of Solar Power Development in India” in the “International Conference on Engineering Materials and Renewable Energy” , held at Department of Chemistry , University College of Engineering Villupuram , Villupuram , from 04.01.2018 to 05.01.2018
- Participated and presented a paper entitled “Evaluation of Kerf width , Material Removal rate and Surface roughness of 2205 Duplex stainless steel by Grey relational analysis in Micro wire – cut EDM” in international conference on “Intelligence in computation communication and Robotics (ICICCR 2019)” , organized by Bharath Institute of Higher Education and Research , Chennai,Tamilnadu , indiaon 23.02.2019
- Presented Two papers entitled “ WEDM Process using Taguchi Method” & “ Investigation of Additive Manufacturing Technology” in the IEEE sponsored 3rd international conference on Engineering & Technology 2018 , organized by the Department of CSE & IT , Rathinam Technical Campus, Coimbatore during 30th& 31st August 2018.

➤ **National Conferences Participated:**

- Attended and Presented a paper in the national conference on “ Advancements in Mechanical , Environmental , Safety and Health Engineeing (AMESHE 2015) , held on 09.05.2015 at Knowledge Institute of Technology , Salem (01 Day)

➤ **Publications :**

a. Books:

- Co – Authored (First Author) a Book entitled “ Robotics” , published through A.R.Publications , No.11 , Veerabathra Nagar , 8th Street, Medavakkam , Chennai – 600100 , Tamilnadu , with ISBN : 978-93-84634-35-3
- Co-Authored (First Author) a Book entitled “ Manufacturing Technology – 1” , Published through A.R.Publications , No.11 , Veerabathra Nagar , 8th Street, Medavakkam , Chennai – 600100 , Tamilnadu , with ISBN : 978-93-87255-44-9

b. International Journals:

- Senthilkumar A, Rajmohan K , ' A review on the effects of process parameters of Wire electrical discharge machining on the surface integrity of various materials' , International Journal of Applied Engineering Research,2015, Vol. 10 No.50. (Scopus Indexed)
- Rajmohan K, Senthilkumar A, ' Experimental investigation and prediction of optimum process parameters of micro wire – cut- EDM of 2205 DSS', International Journal of Advanced Manufacturing Technology, 2016, Vol. 83, Nos. 5 – 8.
- Senthilkumar A, K. Rajmohan , 'Appraisal of Material Removal Rate and Kerf width of 2205 Duplex Stainless Steel in Micro wire – cut EDM process through Response Surface Methodology' , Journal of the Balkan Tribological Association ,2017,Vol.23,Book1,pp.56-66.
- MuthukumaranSivalingam , RajmohanKesavalu , ' Review on the influence of Wire EDM Process Parameters – A Wide Range of Materials' , ComptesRendus De l'AcademieBulgare Des Sciences , 2018, Vol.71 , No.8,pp.1102-1107
- K.Rajmohan ,M.Vivekanandhan , 'A Review on Mechanical Properties and Tribological Characteristics of Stir Cast Aluminium Metal Matrix Composites', International Journal of Applied Engineering Research,2019, Vol. 14 No.2.
- RajmohanKesavalu , SenthilRamamoorthy, ' Experimental Studies and Finite Element Modeling on Incrementally Formed AZ61A Magnesium Alloy',Journal of New Materials for Electrochemical Systems , 2020, Vol.23,No.1,pp.25-30

c. National Journals: NIL

