

Faculty Profile

Name : Karthick S
Designation : Assistant Professor
Date of Joining : 01.07.2011
Nature of Association : Regular
E mail : skarthick@ksrct.ac.in
Mobile no. : +91 9790667321



Academic Qualifications:

Qualification	Specialization	Institution/ University	Month & Year of Passing	Percentage / CGPA
ME	Computer Aided Design	K.S.Rangasamy College of Technology(Autonomous), Tiruchengode, Anna University Coimbatore.	June 2011	8.39
BE	Mechanical Engineering	K.S.Rangasamy College of Technology, Tiruchengode, Anna University Chennai	May 2008	77
HSC	State Board	Kongunadu Matric Higher Secondary School, Valagoundampatty	March 2004	86.41
SSLC	State Board	Govt. High School, S.Pudupalayam	March 2002	75.2

Teaching Experience

- **Assistant Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 01.07.2011 to till-date.

Projects

Under Graduate

- **Title:** “Design and fabrication of speed reducer”

Post Graduate

- **Title:** “Optimization of elliptical fin using genetic algorithm”
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Patent

- **Title :** Self generating electric bicycle – Status: Filed
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International Conferences

- Presented a paper titled ‘*Design and fabrication of mini weeder*’ in the International Conference on Energy Innovations in Science, Engineering and Technology for sustainable Development held at Muthayammal Engineering College, March 2018.
 - Presented a paper titled ‘*Energy Generation from Power Loom Thread Spinning Machine by using Alternator*’ in the International Conference on sustainable Materials held at K.S.R. College of Engineering, March 2019.
 - Presented a paper titled ‘*Analysis of Mechanical Properties of AL5052 Based Zirconium Dioxide Metal Matrix Composite Materials*’ in the International Conference on Recent Innovations in Robotics , Construction and Mechanical sciences held at K.S.Rangasamy College of Technology, June 10-11, 2022.
 - Presented a paper titled ‘**Fabrication of Electrical Vehicle Battery Cooling System**’ in the International Conference on Recent Innovations in Robotics , Construction and Mechanical sciences held at K.S.Rangasamy College of Technology, June 10-11, 2022.
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National Conferences

- Presented a paper titled ‘**Design and Fabrication of Turmeric harvesting machine**’ in the national Conference on Design, Materials, Manufacturing and Construction Technologies held at N.S.N. College of Engineering, March 2016.
- Presented a paper titled ‘**Power Generation from Speed Breaker**’ in the national Conference on Recent advancements in Mechanical Engineering held Nandha College of Technology, March 2018.
- Presented a paper titled ‘Perpetual Motion Self Generating Electric Bicycle without Battery’ in the National Conference on Recent Advancements in Materials, Manufacturing, Design and Thermal Sciences held at K.S.Rangasamy College of Technology, Tiruchengode- 637215, Tamil Nadu, India., April 2023.

Journal

- KARTHICK S, ANBALAGAN G, DEVA P, FAIZAL HUSSAIN Z, “Fabrication Of Electrical Vehicle Battery Cooling System”
DOI:20.18001.GSJ.2022.V9I7.22.39782, Page NO :2111-2116.

WORKSHOP / FDP – ATTENDED

S. No.	Name of the Workshop / FDP	Date	Organization
1	AICTE sponsored staff development programme on “Facilitating Teaching – Learning & Communication Skills among Engineering Faculty for Effective Classroom Instruction”	16.04.2012 to 29.04.2012	PSG College of Technology
2	One Day Faculty development programme	16.09.2013	K.S.Rangasamy College of Technology
3	ISTE sponsored two weeks workshop on ‘Engineering Mechanics’	26.11.13 to 06.12.13	Conducted by IIT Bombay, at K.S.Rangasamy College of Technology
4	ISTE sponsored two weeks workshop on ‘Fluid Mechanics’	20.05.14 to 30.05.14	Conducted by IIT Bombay, at K.S.Rangasamy College of Technology.
5	One Day Faculty development training programme on Advanced CNC and Automation Tools	08.12.2014	Conducted by IIT Bombay, at K.S.Rangasamy College of Technology
6	AICTE approved four week Faculty development programme on “Use of ICT in Education for Online and Blended Learning”	02.05.2016 to 10.07.2016	Conducted by IIT Bombay, at K.S.Rangasamy College of Technology
7	Faculty development training programme on “Kinematics of Machinery”	14.12.2016 - 16.12.2016	Conducted by K S R Institute For Engineering and Technology
8	AICTE sponsored staff development programme on “Nanofluidics: Theory, Computation and Applications”	28.01. 2019 To 02.02 2019	IIT Madras
9	Faculty development programme on “Future of Mechanical Engineering with AI”	17.06. 2020 To 20.06 2020	K.S.Rangasamy College of Technology
10	AICTE sponsored FDP on the theme “Inculcating Universal Human Values in Technical Education”	26.07.2021 To 30.07.2021	AICTE
11	NPTEL – AICTE FDP course on “Rapid Manufacturing”	July- Oct 2022	AICTE

Membership in Professional Bodies

- Member, Indian Society of Technical Education (ISTE)
 - Member, International Society for Research and Development (ISRDR)
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Personal Details:

Date of Birth : 08th June 1987
Parents Name : Mr.S.Subramaniam, Mrs.S.Malliga
Nationality : Indian
Strength : Determination
Hobbies : Gardening
Communication Address : 2/12, M.Kattupalayam, Manathi(PO),
Thiruchengode(TK), Namakkal (DT)
Pincode- 637212.
Languages Known : English, Tamil

Subject Handled

- 1.Engineering Mechanics
- 2.Kinematics of Machinery
- 3.Dynamics of Machinery
- 4.Engineering Drawing
- 5.Basics of Mechanical Engineering
- 6.Machining Processes
- 7.Applied Hydraulics and Pneumatics
- 8.Engineering Graphics
- 9.Computer Aided Design
- 10.Universal Human Values