


SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

Name: S.KRISHNARAJ	
Designation:	ASSISTANT PROFESSOR
Qualification:	B.E, M.E
Area of Specialization:	COMPUTER AIDED DESIGN
Experience: 10 YEARS & 5 MONTHS	Teaching- 09 YEARS & 3 MONTHS
	Industry - NIL
Number of Workshops/ Conferences/ FDP Attended:	WORKSHOP- 3 NATIONAL/INT. CONFERENCE- 04
Publication:	Journal: National: 1 International : 4
	Conference: National: 1 International: 3
General:	1. Student counselor.
Staff Achievement	1. Produced 100% results in Industrial Robotics, Engineering Economics & Cost Estimation, Engineering Economics & Advanced Material Science. 2. Faculty Cordinator of SAE (BAJA) and The Rocketers Racing Team won two awards in Sales and Marketing and Go - Green.

ACADEMIC BACKGROUND:

Course	Institution	Year of Passing	Board/University	Percentage of marks (%)
M.E (CAD)	Hindustan College of Engineering , Padur, Chennai.	2007	Anna University	77
B.E (Mechanical Engineering)	I.F.E.T College of Engineering, Villupuram, Tamilnadu.	2005	Anna University	72
Higher Secondary	Don Bosco Higher Secondary School, Pondicherry	2001	State board	69
S.S.L.C	Petit Seminaire Higher Secondary School, Pondicherry.	1999	State board	63

PROFESSIONAL EXPERIENCE:

Sl. No	College/Organization	Designation	Period From To	Total period	Nature of work
1.	Sri Sairam Engineering College, West Tambaram, Chennai.	Asst.Prof	12.06.2014 - Till Date	3 Yr & 8 Months	Teaching and guiding UG, PG projects
2.	Sri Manakula Vinayagar Engineering College Madagadipet, Puducherry.	Asst.Prof	June 2012 – April 2014	1 Yr & 10 Months	Teaching and guiding UG, PG projects
3.	Sree Sastha Institute of Engineering and Technology, Chembrampakkam, Chennai.	Asst.Prof	June 2009 – May 2012	1 Yr & 11 Months	Teaching and guiding UG, PG projects
4.	I.F.E.T College of Engineering, Villupuram.	Lecturer	June – 2008 - May 2009	11 Months	Teaching and guiding UG, PG projects
5.	Hindustan College of Engineering, Padur, Chennai.	Lecturer	June 2007 – May2008	11 Months	Teaching and guiding UG, PG projects

PROFESSIONAL INVOLVEMENT:

Membership of professional bodies	1. Faculty member in SAE. FACULTY COORDINATOR FOR SAE M-BAJA SINCE 2016 organized by SAE INDIA NORTHERN SECTION. 2. EdX engine Value Added Course Coordinator - Product Design Formula and Internal Combustion Engines Using CFD.
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International Conferences Attended: 03

1. Rajendra Prasad A, Krishnaraj S. Ramachandran S, Vasudevan N, Suresh SM, An Approach To the Development of a Green energy farm using Free flow Horizontal Axis Water turbine, International Conference on Mechanical and Manufacturing Systems (Feb 24 th - 25 th) 2016, West Tambaram, Chennai, India.
2. R. Ashok Gandhi, S. Krishnaraj, V. Raviraj, S. Ganapathy and S. Ramachandran, Development and Field Trials of Ultra Low Wind Speed Vertical Axis Wind Turbine, International Conference on Mechanical and Manufacturing Systems (Feb 24 th - 25 th) 2016, West Tambaram, Chennai, India.
3. S. Krishnaraj, On-Line Monitoring of Wear (Flank) in Single Point Cutting Tool Using Ultrasonic Technique, International Conference on Mechanical and Manufacturing Systems (Feb 24 th - 25 th) 2016, West Tambaram, Chennai, India.

Papers published in the international conferences: 04

1. S. Krishnaraj a,*, S. Deshik Sandeep b , R. Poovarasana c , D. Magesh d , K.V. Ajay Sooria e and, R. Kiran, Design and Fabrication of Casuarina Harvesting Machine, International Conference on Processing of Materials, Minerals and Energy (July 29th – 30th) 2016, Ongole, Andhra Pradesh, India.
2. Rajendra Prasad A, Krishnaraj S. Ramachandran S, Vasudevan N, Suresh SM, An Approach To the Development of a Green energy farm using Free flow Horizontal Axis Water turbine, International Conference on Mechanical and Manufacturing Systems (Feb 24 th - 25 th) 2016, West Tambaram, Chennai, India.
3. R. Ashok Gandhi, S. Krishnaraj, V. Raviraj, S. Ganapathy and S. Ramachandran, Development and Field Trials of Ultra Low Wind Speed Vertical Axis Wind Turbine, International Conference on Mechanical and Manufacturing Systems (Feb 24 th - 25 th) 2016, West Tambaram, Chennai, India.
4. S. Krishnaraj, On-Line Monitoring of Wear (Flank) in Single Point Cutting Tool Using Ultrasonic Technique, International Conference on Mechanical and Manufacturing Systems (Feb 24 th - 25 th) 2016, West Tambaram, Chennai, India.

Short Term Course (Refresher courses) Attended: Nil.

Faculty/Staff Development /Training Program (Orientation programmes) Attended: 15

1. S.Krishnaraj, " **Autodesk Inventor - ICT Academy** ", Sri Sairam Institute of Technology, Chennai, June 2018.
2. S.Krishnaraj, " **KRT Design Competition Aided Engineering - Finite Element Analysis (CAD - FEA)** ", Sri Sairam Engineering College, Chennai, Feb 2018.
3. S.Krishnaraj, " **BAJA SAEINDIA 2017** ", Sri Sairam Engineering College, Chennai, Feb 2017.
4. S.Krishnaraj, " **Automotive Technology, Goodwin Motors** ", Sri Sairam Engineering College, Chennai, September 2017.
5. S.Krishnaraj, " **Value Engineering using ANSYS** ", Sri Sairam Engineering College, Chennai, August 2016.
6. S.Krishnaraj, " **Computer Aided Design and Usage of Software** ", Sri Sairam Engineering College, Chennai, August 2016.
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8. S.Krishnaraj, " **Computer Aided Design** ", Vel tech Multi tech Dr.RR DR.SR Engineering college, Chennai, June 2015.
9. S.Krishnaraj, " **Quality Management System and Audit Training** ", Sri Sairam Engineering College, Chennai, October 2014.
10. S.Krishnaraj, " **Industry - Institution Interaction Event on ENVIRONMENT MANAGEMENT IN INDUSTRIAL SECTORS - STATUS AND NEEDS**", Sri Sairam Engineering College, Chennai, July 2014.
11. S.Krishnaraj, " **First Aid and Fire Safety**", Sri Sairam Engineering College, Chennai, August 2014.
12. S.Krishnaraj, "**Funded Projects**", I.F.E.T College Of Engineering, April 2009.
13. S.Krishnaraj, "**Orientation Program for Fresh Teachers**", Hindustan College Of Engineering, June 2008.
14. S.Krishnaraj, "**Motivation for Creativity**", I.F.E.T College of Engineering, June 2008.
15. S.Krishnaraj, "**Soft Skills and Class Room Dynamics**", Hindustan College Of Engineering, Dec 2007.

Resource person In FDP: 01

S.Krishnaraj, " **Computer Aided Design and Usage of Software**", Sri Sairam Engineering College, Chennai, August 2016.

Workshops Attended: 03

1. S.Krishnaraj, " **Solar Radiation Resource Assesment, NIWE and Iacharya Silicon Limited (ISL)** ", Sri Sairam Engineering College, Chennai, Dec 2016.
2. S.Krishnaraj, " **Role of Lean Manufacturing on Organization Competitiveness**", Sri Sairam Engineering College, Chennai, August 2014.
3. S.Krishnaraj, "**Recent Trends and Developments in Engine Management Systems and Alternate Fuels**", Mit, Anna University, Chennai, March 2010.

Events organized: Nil

Funded Projects:

1. Development of a Green Energy Farm by Designing and Developing Shrouded Hydrofoil Horizontal Axis Hydrokinetic Water Turbines. (File No.DST/TSG/NTS/2013/89)

List of publications in international journals:

1. S. Krishnaraj a,* , S. Deshik Sandeep b , R. Poovarasana c , D. Magesh d , K.V. Ajay Sooria e and, R. Kiran, Design and Fabrication of Casuarina Harvesting Machine, Materials Today: Proceedings 5 (2018) 1800–1806.
2. Rajendra Prasad A, Krishnaraj S. Ramachandran S, Vasudevan N, Suresh SM, An Approach To the Development of a Green energy farm using Free flow Horizontal Axis Water turbine, International journal of of Mechanical engineering and technology 2017, Vol 8 , PP 25-36
3. R. Ashok Gandhi, S. Krishnaraj, V. Raviraj, S. Ganapathy and S. Ramachandran, Development and Field Trials of Ultra Low Wind Speed Vertical Axis Wind Turbine (VWAT) for Home Application, Indian Journal of Science and Technology, Vol 9(S1), DOI: 10.17485/ijst/2016/v9iS1/108479, December 2016.
4. S K Dinesh Kumar 1, a* R Selvanayagam 2,b M Sivakumar3, c S Krishnaraj4, d , A Study on Working Process of Wire-EDM by Using Two Different Dielectric Fluids on HCHCr Alloy Steel, Applied Mechanics and Materials, ISSN: 1662-7482, Vol. 852, pp 212-217.