


SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

Name: SIVA CHANDRAN. S	
Designation:	ASSISTANT PROFESSOR
Qualification:	MASTER OF ENGINEERING
Area of Specialization:	SOLAR ENERGY
Experience:	Teaching- 7 YEARS 3 MONTHS
	Industry:- NIL
Number of Workshops/ Conferences/ FDP Attended:	WORKSHOP- 02
	FDP:16
	NATIONAL/INT. CONFERENCE- NIL
Publication:	Journal: National : 07 International: Nil
	Conference: National: International: Nil
Contact Details:-	Email:- sivachandran.mech@sairam.edu.in Phone:- 87787 11187 / 95788 92485
Staff Achievement	1. Produced 100% Result in Engineering Thermodynamics for Mechanical UG Students. 2. Produced 100% Result in Engineering Graphics for Mechanical UG Students.

	3. Produced 100% Result in Thermal Engineering – II, Power Plant Engineering and Basic Civil and Mechanical Engineering Subjects for Mechanical Engineering and Electrical Engineering Students.
--	--

Educational Qualification:-

Course	Institution / University	Year of passing	Percentage (%)
M.E (SOLAR)	College of Engineering, Guindy	2016	8.46 (CGPA)
B.E (MECH)	Sri Venkateswara College Of Engineering And Technology	2012	8.19 (CGPA)
H.S.C	Govt.Hr.Sec.School, Lalgudi	2008	89.3
S.S.L.C	Govt.Hr.Sec.School, Lalgudi	2006	89.4

Professional Experience:

Sl. No	College/Organization	Designation	Period From To	Total period	Nature of work
1.	Sri Sai Ram Engineering College	Assistant Professor	16.06.2016 – Till Date	5 YEARS 5 Months	Teaching
2.	K. Ramakrishnan College of Engineering	Lecturer	08.08.2012 – 24.04.2014	1 YEAR 9 Months	Teaching

Papers published in the international conferences:

Short Term Course (Refresher courses) Attended: Attended 20 days Faculty Induction Program Organized by TLC @ IITM (02/12/2019 to 14/12/2019 & 20/01/2020 to 27/01/2020)

Faculty/Staff Development /Training Program (Orientation programmes) Attended: 16

1. AICTE Sponsored Two Weeks FDP on “**MODELING AND CONTROL OF HIGH EFFICIENCY ELECTRIC AND HYBRID VEHICLES AND THE FUTURE VEHICLE FLEET IN 2030**” Organized by the Department of Automobile Engineering Conducted from 10th to 23rd 2019.

2. One Week FDP On “**ENGINEERING AND MANAGEMENT TEACHING PEDAGOGY - AN INDUSTRY PERSPECTIVE**” from 11.5.2020 - 16.05.2020
3. One Week Faculty Development Programme on “**MODELLING AND OPTIMIZATION TECHNIQUES FOR MATERIALS AND MANUFACTURING PROCESSES**” from 18/05/2020 to 22/05/2020.
4. Five Days online FDP on “**MATERIALS FOR THERMAL AND RENEWABLE ENERGY RESEARCH**” from 20.05.2020 -24.05.2020
5. Seven Days Faculty Development Program on “**ETHICAL PRACTICES IN ENGINEERING**” from 28th May to 03rd June 2020.
6. Five Days Faculty Development Programme on “**RENEWABLE ENERGY TECHNOLOGIES, INTEGRATING TO THE POWER GRID & E – VEHICLE**” from 28th May 2020 – 01st June 2020.
7. Faculty Development Program on “**OUTCOME BASED EDUCATION SOFTWARE**” Organised by vmedulife software services on 11th June, 2020.
8. Five days Faculty Development Programme on “**RENEWABLE ENERGY SYSTEMS**” Organized by Panimalar Institute of Technology from 8th to 12th June 2020.
9. Five days AICTE Training and Learning(ATAL) Academy Online Faculty Development Programme on “**3D PRINTING & DESIGN**” from 15.06.2020 to 19.06.2020 at NIT WARANGAL.
10. One Week Faculty Development Programme on “**EMBRACING THE CREATIVE SIDE OF TEACHING AND LEARNING METHODS**” Organized by RMK college of Engineering and Technology from 29/06/2020 to 03/07/2020.
11. Five days AICTE Training and Learning(ATAL) Academy Online Faculty Development Programme on “**ELECTRIC VEHICLES**” from 30.11.2020 to 04.12.2020 at IFET COLLEGE OF ENGINEERING.
12. Five days AICTE Training and Learning(ATAL) Academy Online Faculty Development Programme on “**Applications of Artificial Intelligence in Mechanical Engineering**” from 02.08.2021 to 06.08.2021 at K. RAMAKRISHNAN COLLEGE OF ENGINEERING.
13. Six Days Online International Faculty Development Programme on “**RESEARCH INNOVATIONS AND EMERGING ADVANCES IN ELECTRICAL ENGINEERING**” Organized by Department of Electrical and Electronics Engineering of Easwari Engineering College from 14/06/2021 to 19/06/2021.

14. Five days AICTE Training and Learning(ATAL) Academy Online Faculty Development Programme on “**DESIGN AND DEVELOPMENT OF ELECTRIC VEHICLE**” from 09.07.2021 to 13.07.2021 at Francis Xavier Engineering College.
15. Five days AICTE Training and Learning(ATAL) Academy Online Faculty Development Programme on “**ELECTRIC VEHICLE TECHNOLOGY: CHALLENGES AND BUSINESS OPPORTUNITY**” from 08.11.2021 to 12.11.2021 at NATIONAL SMALL INDUSTRIES CORPORATION.
16. Twelve week NPTEL – AICTE Faculty Development Programme on “**ELECTRIC VEHICLES AND RENEWABLE ENERGY**” with a consolidated score of 76% from Jul – Oct 2021.

Resource person in Various Program:

1. Delivered a Lecture in Faculty Development Programme on Renewable Energy Systems Organized by Department of Electrical & Electronics Engineering, Sri Sairam Engineering College titled “How Design a Standalone Solar System for your home” held from 22nd July, 2019 to 26th July 2019
2. Handled session in the ISHRAE Organised three day Workshop on “**OVERVIEW OF HVAC & R INDUSTRY**” Organized by Department of Mechanical Engineering, Sri Sairam Engineering College, held from 26th July, 2019 to 29th July 2019
3. Delivered a Lecture in QIS COLLEGE OF ENGINEERING & TECHNOLOGY titled “**Fundamentals of Manufacturing**” on 25.02.2020
4. Delivered a Lecture in Online Student orientation Programme titled “**Electric Vehicles**”.
5. Delivered a lecture in webinar on Solar Technology organized by Department of Mechanical Engineering, Sri Sairam Engineering College titled “**DESIGN METHODOLOGY FOR SOLAR SYSTEM**” on 21.06.2020.
6. Delivered a Guest lecture on “**BEST OUT OF WASTE**” fro the FRESHERS AICTE INDUCTION PROGRAMME held from 16.11.2020 to 20.11.2020 at SRM Valliammai Engineering College, Kattankulathur -603 203
7. Delivered a lecture in Awareness Program on “**Electric Vehicles**” organized by Department of Mechanical Engineering, K. Ramakrishnan College of Technology on 30.10.2021.
8. Young Researcher Award 2021 “InSc Awards 2021”

Workshops Attended:

1. Workshop on **“DESIGN OF SOLAR PV & THERMAL ENERGY SYSTEMS”**
Organized by the Department of Mechanical Engineering, KONGU ENGINEERING COLLEGE, dated on 19.07.2019 & 20.07.2019
2. National Level seminar on **“SOLAR THERMAL EQUIPMENT AND PHASE CHANGE MATERIALS”** on 17th August 2019 at Kongunadu College of Engineering and Technology.

Events organized:

1. Organized the Pre-Virtual Round **ESVC’18** from 6th to 8th October 2017.
2. Organized the Three days Workshop on **SAUR URJA VEHICLE CHAMPIONSHIP-2019 – Virtual Round** on 26.12.2018 to 28.12.2018.
3. Organized Five Days Webinar on **“SOLAR TECHNOLOGY”** from 17.6.2020 to 21.6.2020.
4. Organized Six Days Hands on Training on **“RETROFITTING OF FUEL CAR INTO ELECTRIC CAR”** in collaboration with SKILLSHARK from 22.03.2021 to 27.03.2021.

List of publications in international journals:

1. S. Jayaprakash, **S. Siva Chandran**, T. Sathish, Bhiksha Gugulothu, R. Ramesh, M. Sudhakar, and Ram Subbiah **“Effect of Tool Profile Influence in Dissimilar Friction Stir Welding of Aluminium Alloys (AA5083 and AA7068)”** Hindawi: Advances in Materials Science and Engineering, Volume 2021, Article ID: 7387296, 7 pages.
2. **S. Siva Chandran**, A. Selvaramkumar, C.G. Sanjhai, Kothamasu Anuroop, G. Karthikeyan, S.S. Mohamed Shabbeer Zayed **“Experimental investigation on three combinations of magnesium oxide and silicon carbide used composites of Al6463 aluminium alloy”** Materials Today:Volume 37, Part 2, 2021, Pages 1491 – 1494
3. P.Anbarasu, R.Yokeswaran, A.Godwin Antony, **S. Siva Chandran** **“Investigation of filler material influence on hardness of TIG welded joints”** Materials Today:Volume 21, Part 1, 2020, Pages 964 – 967
4. A. Parthiban, T. Sathish, **S. Siva Chandran**, R. Venkatesh, V. Vijayan **“Optimization of CO₂ Laser Cutting Parameters on Austenite Stainless Steel Using Grey Relational Analysis”** International Journal of Mechanical Engineering and Technology (IJMET): Volume 10, Issue 01, Pages: 984 – 992

5. R. Venkatesh, V. Vijayan, A. Parthiban, T. Sathish, **S. Siva Chandran** “**Comparison of Different Tool Path in Pocket Milling**” International Journal of Mechanical Engineering and Technology (IJMET): Volume 9, Issue 12, Pages: 922 – 927
6. V. Vijayan, A. Parthiban, T. Sathish, **S. Siva Chandran**, R. Venkatesh “**Performance Analysis in End Milling Operation**” International Journal of Mechanical Engineering and Technology (IJMET): Volume 9, Issue 11, Pages: 2263 – 2271
7. Vijayan Venkatraman, **Siva Chandran Sugumar**, Saravanan Sekar & Sivakumar Viswanathan “**Environmental Effect of CI engine using microalgae biofuel with nano – additives**” Taylor & Francis: ISSN: 1556 – 7036 (Print) 1556 – 7230(Online)

List of Patents:

1. Published a Patent titled “**GEARED ELECTRIC BIKE**” Application No. 202041049411 dated on 12.11.2020.
2. Published a Patent titled “**STRAIGHT – BLADE WIND TURBINE SYSTEM USING A VERTICAL AXIS**” Application No. 202041049416 dated on 12.11.2020.
3. Published a Patent titled “**SYSTEM AND METHOD OF BIOGAS PRODUCTION- A HOUSEHOLD BIOGAS DIGESTERS**” Application No. 202141031206 A dated on 16.07.2021.

Consultancy Work:

1. Conversion of pedal powered bicycle into Electric Bicycle.
2. Mechanically operated gate.
3. Mobile Operated Automatic Screen opens.

List of Courses Completed:

NPTEL:

1. Eight Week Course on “**Engineering Thermodynamics**” –Feb –Mar 2018
2. Four Week Course on “**Laws of Thermodynamics**” – Elite – Aug – Sep 2018
3. Eight Week Course on “**Refrigeration And Air-Conditioning**” –Aug –Sep 2018
4. Eight Week Course on “**Renewable Energy Engineering: Solar, Wind and Biomass Energy systems**” – Jan – Mar 2021
5. Twelve week Course on “**Electric Vehicles and Renewable Energy**” – Jul – Oct 2021

Future Skills:

1. Introduction to Robotic Process Automation by Simplilearn
2. Introduction to Product Management by Simplilearn

UDEMY Courses:

1. Maths for Engineering
2. Introduction to Lithium-iron Battery Management
3. Mass Transfer Diffusion & Convection
4. Engineering Thermodynamics

Coursera Courses Completed:

1. Solar Energy Basics
2. Air Pollution - a Global Threat to our Health
3. Initiating and Planning Projects
4. Renewable Energy and Green Building Entrepreneurship
5. Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading
6. Municipal Solid Waste Management in Developing Countries
7. Create Informative Presentations with Google Slides
8. Electric Power Systems
9. Digital Manufacturing & Design
10. The Sustainable Development Goals – A global, transdisciplinary vision for the future.