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Asst.Professor

Department of Mechanical Engg.

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Educational Qualification:

1. Completed M.E., in Computer Aided Design in Adhiyamaan College Of Engineering College of Engineering , Hosur with First Class Distinction during the year 2012.
2. Completed B.E in Mechanical Engineering in Bharath Nikethan Engineering College with First Class during the year 2003.
3. Completed Diploma in Mechanical Engineering at Valivalam Desikar Polytechnic, Nagapattinam, Tamilnadu with First Class Distinction during 1999.

Experience:

1. Working as Assistant professor – Department of Mechanical Engineering, Sri Sairam College of Engineering, Anekal, Bengaluru from 01.10.2012 to till date.
2. Worked as Lecturer in Sri Sairam college of Engineering, Bangalore from August 2009 to 18.08.2009 to 01.10.2012 date
3. Worked as Lecturer in Adhiyamaan Polytechnic College , Hosur from Nov 2006 July 2009

Publications:

- 1 A Paper entitled **“Computational flow dynamics analysis of carburetor for different throttle angle”** published in AIP Conf. Proc. 2393, 020109 (2022), Volume 2393, Issue 1 19 May 2022
- 2 Paper entitled **“Ductile behaviour and dynamic mechanical analysis of hybrid bio Composites”** published in journal Elsevier **“Materials Today proceedings** accepted on december 2020 available in webpage <https://doi.org/10.1016/j.matpr.2020.12.562>
- 3 Paper entitled **“Wear Study Of Stir Cast Aa7075 Metal Matrix Composites And Optimization Of Wear Using Grey Relational Analysis”** published in the journal **“THINK INDIA JOURNAL”** Vol- 22- Issue-14-ISSN:0971-1260,December-2019
4. Paper entitled **“Study on Mechanical Behaviour of Aluminium- Kyanite composites”** published in the journal Transactions on Engineering and Sciences, ISSN: 2347-1964 (Online) 2347 1875 (Print) Volume 2, Issue 12, December 2014

a)International Conference:

1. Presented a paper titled **“Automatic Legup Landing System ”** at the international conference on Applied science Engineering and Technologies (ICASET-18) ’ organized by Sri Sairam college of Engineering Bengaluru. On 18th May 2018
2. Presented a paper titled **“Multipurpose solar operated agricultural Machine ”** at the international conference on Applied science Engineering and Technologies (ICASET-18) ’ organized by Sri Sairam college of Engineering Bengaluru. On 18th May 2018

b)National Conference:

1. Presented paper titled **“ Computational Fluid Dynamics Analysis of Flow over the Varuna Autonomous underwater Vehicle”** in National conference on **“Futuristic Trends in power integration & Computing Techniques”** On 7th November.
- 2 Presented a paper titled **“Design and Analysis of the components of Toggle Mechanism in an impact Extrusion press”** in the national conference held at JKK Nataraja College of Engineering & Technology , komarapalayam, Namakkal on 20th and 21st Feb2012
- 3 Presented a paper titled **“Toggle Mechanism for a cold impact Extrusion Press- A Review”** at the National conference on Emerging trends in Mechanical Engineering organized by Sri venkateshwara college of Engineering & Technology , Chittoor. On 25th Feb2012

- 4 Presented a paper titled “**Failure modes and Effects Analysis & Criticality Analysis**” at the national conference on Approaching Scholastic Horizons in Mechanical Engineering- NCASHME-10’ organized by Shirdi sai Engineering college Bengaluru. On 24th April 2010

Patent Filed:

1. A Patent Titled “**Electric vehicle Trolley Design**” with dated 17-06-2023., design no 388521-001
2. Patent filed and granted on 9 December 2020, for the invention “**ELECTRIC VEHICLE CHARGE MANAGEMENT AND MONITORING SYSTEM BASED ON IOT**” - Patent number: 2020102995

Grants Received

1. Project titled “**Autonomous Ground Vehicle**” won first prize in Anvesana2020 with the cash prize of **30000/-**
2. Project Titled “**Autonomous Ground Vehicle**” received a fund of Rs-6000/
3. Mentor for project titled “**SMART HELMET**” in the year2018 which received fund of **1,00,000/- from IEDC**

Projects Guided

1. IOT Based Lock System
2. Semi Automatic Leg up landing mechanism for two wheeler
3. Design and fabrication of E-Trike
4. Design and fabrication of Autonomous Ground Vehicle
5. smart helmet
6. Solar panel cleaner

Workshops / Seminars / FDP attended:

1. Has participated and successfully completed **3 days face to face FDP** on the theme “**Inculcating Universal Human Values in Technical Education**” organized by All India Council for Technical Education (AICTE) at Sri Sairam College of Engineering, Bengaluru from **1st December to 3rd December 2023**.
2. Has participated and successfully completed the **5-day Online FDP** on the theme “**Inculcating Universal Human Values in Technical Education**” organized by All India Council for Technical Education (AICTE) from **30th January to 3rd February 2023**.

3. Has participated in three day Faculty Development program on "**Introduction to Modelling and Design for Manufacturing using fusion 360 by AUTODESK**" from 06th to 8th November 2023 organized by Department of Mechanical Engineering, RNSIT , Bengaluru in association with VTU Belagavi and AUTODESK
4. Has participated and successfully completed 5 day online FDP on "**Inculcating universal Human Values in Technical Education**" organized by AICTE from 30th Jan to 3rd Feb 2023
5. Participated in 3day National level Fdp on "creative Thinking and Quality Publications"organised by IQAC SSCE, in association with ICT Academy from 29 september to 1st October 2021
6. Participated in 12 hours FDP on "**Fundamentals of RPA**" Conducted by ICT Academy on 21st June-25th June 2021
7. Participated in 10 hours FDP on "**Product Simulation using Fusion 360**(online live FDP) Conducted by ICT Academy on 17th May 2021
8. Participated in 7 days FDP on "**A roadmap to NBA Accreditation process**" at Sri sairam college of Engineering from 22nd-28th Feb 2020
9. Participated in AICTE Sponsored Fdp On "**Vibration And Acoustics In Machines And Automobiles**" organized at Adhityamaan College Of Engineering from 17TH - 31st JULY 2019
10. Participated in FDP on "**Empower Yourself**" organised at Sri Sairam college of Engineering , from 19-20 January 2018
11. Participated in Faculty Development Program on "**Funding, Authouring, Counseling, TQM,& Oppertunities in Entrepreneurship**" organised at Sri Sairam college of Engineering during 2-4 August 2017
12. Participated in Faculty Development program on "**Innovative Teaching Pedagogy and Student Management**" organized at Sri Sairam college of Engineering during 14,15&18 July 2016
13. Participated in Faculty development Program titled "**Outcome based education and Road map for Accredidation**" organised at Sri Sairam college of Engineering during 18-21 jan 2017
14. Participated faculty development program on "**IPR, STRESS MANAGEMENT,EFFECTIVE COUNSELLING TEQNIQUES**" Organised by IEDC-(DST) in association with department of Science and Humanities at SriSairam college of Engineering during 01st to 05th -2015

Awards or Recognition:

1. Appointed as External Deputy Chief superindent (DCS) for the November-December make- up examinations 2023 conducted by VTU
2. Appointed as Answer Paper valuator for the subject 18me72 ,21me32 for the exams conducted by Visveshvarya Technological University during Februrary 2023 and May 2023
3. Successfully completed NITTT Module 5 "**Technology Enabled Learning and Life Long self Learning**" with registration number 20212117201 held on February 2023 by AICTE New Delhi.
4. Successfully completed NITTT Module 3 "**communication skills, modes and knowledge Dissemination**" with registration number 20212117201 held on February 2022 by AICTE New Delhi.

5. Successfully completed the online NPTEL certification course “ **Rapid Manufacturing** ” with consolidated score of 73% conducted by **IIT , kanpur** , JULY – OCT 2023
6. Successfully completed the online NPTEL certification course “ **Fundamentals of Manufacturing process**” with consolidated score of 73% conducted by IIT , ROORKEE , JUN-JULY 2019
7. Successfully completed the online NPTEL certification course “ **ENGINEERING METROLOGY** ” with consolidated **score of 81%** conducted by **IIT , kanpur** , JULY – OCT 2018
8. Organized 2 days workshop on **Retrofitting of IC engine Car to Electric vehicle** on December 2022
9. Organized Add on Program on “**Industrial Drawing Codes and standards**” during April to July 2022
10. Organized 2 days workshop on **Hands on training 3D printing and industrial visit** on May 2022

Membership and other achievements

1. Life Member of ISTE (Indian Society for Technical Education) # LM63998
2. Member IEI (The Institution of Engineers (India)- M157948-1
3. IEEE Membership For the year 2021 (id:98080233)
4. Conducted a 3 days Hands on workshop on “**Hands on CNC machines**” For the mechanical engineering students 5-7 th Aug 2019
5. Co-ordinated in organizing Aicte Sponsored 15 days FDP on “ **Recent Trends in renewable Energy resources**” from 16-30th December-2019
6. Co-ordinated in organizing institutional training workshop on “**Energy Conservation to the society**” in association with Petroleum Conservation Research Association (PCRA) on 14th November 2019
7. Has participated in Technical Institution Meet -2023 , at Govt Tool room Training center, COE, Bengaluru
8. has attended ANSYS Academic innovation conference on sep 02,2022 at Bengaluru organized by Entuple Technologies in association with Ansys
9. Completed one week online certification course on “Digital Teaching Techniques” organised by ICT Academy from 7 th -12th December 2020
10. Attended internal Auditor ISO 9001:2008 Quality management system and Audit training organized at SriSairam college of Engineering in August 2015
11. Participated in training program on “ Hydraulics and Pneumatics “Organised by VTU –BOSCH Rexroth centre of competence in Automation Technology, Mysore during 29-31-August 2013