

M.SURESH,

A.P / Mech.,

Mohamed Sathak A.J College of Engg.,

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Date of Birth : 07.06.1967

Age : 56 years

Nationality : Indian

Religion : Hindu

Objectives :

Having many years of experience in college level ,I can use my experience to educate students of all levels.

Having experience, able to administering examination related activities.

Educational Qualifications :

Undergraduate – B.E – Mechanical Engineering

Govt. College of Engineering , Salem

University of Madras

I Class – 64 %

Year of Passing – Apr 1988

Post graduate – M.E – Thermal Power Engineering

Annamalai University

I Class – 66 %

Year of Passing – Jan 1996

Ph.D

– Joined JNTU , Hyderabad -

Not completed

Experience: (Teaching and Industry) (31 years)

Teaching Experience (29 years)

1. VMKV Engineering College , Salem – Lecturer – Aug 1988 to Aug 1994 **6 years**
2. Sri Sai Ram Engineering College, Chennai - Dec 1998 to Jan 2022 **23 years**

Industrial Experience

Madras Fertilizers Ltd, Manali, Chennai – Graduate Engineer Trainee
- Sep 1995 – Mar 1998 **2 ½ years**

I . Teaching Experience

Responsibilities :

At College level – SRI SAI RAM ENGINEERING COLLEGE

Date of Joining – 17.12.1998

Position held : Exam cell Coordinator for Internal Exams from 2006

Conducted Internal Tests in a centralized Exam Cell for

UG (B.E & B.Tech) of all the branches and PG (M.E, MBA & MCA)

Tests conducted : Unit tests, Retests and Re Retests (after 4 pm) , Internal Assessment Tests and Continuous Assessment Tests (under Autonomous status)

At Department level - Department of Mechanical Engineering

Responsibilities

Department In charge and Assistant HOD. – Looked all the departmental activities in line with the HOD.

Final year Project Coordinator for a section every year

Chief Mentor – Head of student counselors

Department Time table In-charge

Lab In-charge – Metrology and Measurement Lab

Calibration of Instruments In-charge

Subjects handled :

Gas Dynamics and Jet Propulsion

Engineering Metrology

Thermal Engineering I and II

Engineering Graphics

Power Plant Engineering

Automobile Engineering

Renewable Sources of Energy

Principles of Management

Labs handled

Metrology and Measurement lab

Thermal Engineering lab

Heat Transfer lab

Manufacturing Technology lab I and II

Basic Engineering Lab

Fund obtained :

Upgradation of I.C.Engines lab under MODERAB scheme applied and

Rs.5,50,000 was sanctioned on 28.1.2010 .

A computerized Variable compression ratio (VCR)engine was installed with five gas analyser in Mechanical dept. IC Engines lab.

Faculty Development Program conducted - 1

International Conference conducted - 1

Number of Patents applied - 3

SAE activities :

Co ordinated and Represented the team for BAJA SAE INDIA 2011

At Pithampur, Dhar(Dt) , Madhya Pradesh and **won** SAFE Vehicle award and Chairman s award.

Papers Publiised

1.Application of polynomial vector processing to improve the Estimation performance of Biodiesel in a variable compression ratio engine.

International Journal of computer science and information security, Vol 10, No 11

2.Waste cooking oil biodiesel performance analysis in VCR diesel engine using functional back propagation algorithm.

International Journal of Artificial Intelligent systems and Machine Learning ,Vol 4, No, pages 612- 617 - 11 Nov 2012

3. Presented a paper at **2nd World Conference** on Applied Sciences, Engineering and Technology(WCSET 2013) GITAM University, AP.

Title : Investigation on Performance and Emission characteristics of Variable Compression Ratio Diesel Engine and Higher calorific value Pongamia biodiesel and their blends

4. Experimentation of Emission Control on a Four Stroke Diesel Engine using an Eco-Friendly Silencer with Excess Air

International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, November 2019 – SCOPUS Indexed

5. Experimental Investigation of performance and emission parameters of a CI Engine Fueled with Hydnocarpus Laurifolia Biodiesel Blends

International Journal of Engineering and Technology, Vol 9, Issues 13, December 2018 - Scopus Indexed.

6. Experimental Investigation of Emission Control using AG Catalitic Converter in a Four Stroke Diesel Engine

International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 13, December 2018, pp. 192–202, Article ID: IJMET_09_13_02- Scopus Indexed

7. Study of flexural strength and flexural modulus on chicken feather fiber used fiber reinforced polyester composite

International conference on Recent trends in Mechanical and Materials Engineering, AIP Conference Proceedings 2283,020079- 2020

8. Heat transfer enhancement analysis of Al₂O₃ and MgO through counter flow in heat exchanger

Materials today Proceedings

9. Process parameter optimization on EN8 steel in Electric Discharge Machining (EDM) using Response Surface Methodology (RSM) Techniques

Materials Science and Engineering 993 – 2020 – 012134

10.Design Analysis and Development of Epoxy Resin made Omnidirectional Wind Turbine

Materials Science and Engineering 998 – 2020 – 012044

11. Effect of Sea Water Environment Exposure on Glass Fiber Reinforces Polymer Composites

International Journal of Innovative Technology and Exploring Engineering

ISSN:2278-3075,Volume -9 ,Issue – 1 Nov 2019

Reference

Dr.S.Ramachandran M.Sc(Engg) , Ph.D (IIT- Madras)

Dean , Research and Development,

Professor, Dept of Mech Engg.,

Sri Sai Ram Engineering College, Chennai- 600044

Mail id : ramachandran.mech@sairam.edu.in

Dr.N.Mani , HOD / Mech and Automation,

Professor, Sri Sai Ram Engineering College

mani.mech@sairam.edu.in

Ph : 8838289208

II . Industrial Experience – 2 ½ Years

Department : Project – Ammonia plant Revamp – Total Project cost – 600 crores

Madras Fertilizers Ltd, Manali, Chennai - 68

Period : Sep 1995 – Mar 1998 – 2 ½ Years

Chief Consultant – Haldor Topsoe – DENMARK

Consultant - FACT Engineering Design and Organisation

Responsibilities held

Tender floating for International Competitive Bidding

Sending Purchase order

Receiving materials at store

Bill passing

At site – supervision of site work – excavation, civil constructions, erection of equipment

Supervision of mechanical works – Consultant FACT Engineering Design and Organisation

column erection, piping works - done by ECC Group

Construction of RCC chimney – done by Bijing

Erection of 110 bar Boiler – done by Thermax

Erection of Steam turbines, pumps, valves, strainers, bellows, air preheater , economizer

Construction and erection of underground fuel storage and pumping system for boiler

Testing of pipe lines – for IBR certification

Expediting works done at Delhi, Faridabad, Lucknow and Gaziabad

Reference Person :

Mr P.Stalin

Manager / Ammonia Plant

Madras Fertilizers Ltd , Manali,

Chennai- 68

Ph : 044 25941001

All the above particulars furnished by me are true to the best of my knowledge and belief.

M. Suresh