



**P.SURESHKUMAR**

**296/1,Thainagar,**

**Kanchikovilroad,**

**Perundurai-638052.Tamilnadu.**

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**Mobile-9003635367**

### **OBJECTIVE:**

Seeking a position to utilize my skills and abilities that I ever earned throughout my studies in the field of Design and Manufacturing, that offers the professional growth while being resourceful and flexible.

### **PERSONALDETAILS**

Father Name :N.P.Periyasamy  
DateofBirth :06.03.1984  
MaritalStatus : Married.  
Sex :Male  
Nationality :Indian

### **EDUCATIONALQUALIFICATION:**

<b>Qualification</b>	<b>Nameinstitutions</b>	<b>Yearofpassing</b>	<b>Aggregate</b>
PhD	PSG College of Engineering, Anna University Chennai.	Registered Jan2022	-
Masterof Engineering(Engineering Design)	Karpagam University, Coimbatore.	April-2014	CGPA8.18
BachelorofEngineering (Mechanical)	Karpagam University, Coimbatore.	March-2011	78%FCH
DiplomaInMechanical Engineering	Kongupoly technic college, Perundurai.	April- 2003	82.5% FCD
H.S.C	GBHS School, Perundurai.	March -2001	79%
S.S.L.C	GHS School, Pethampalayam.	March -1999	83%

## **WORKEXPERIENCE:**

- 1) Worked as a production controller at ASV Engg works,(June2003-may2008).
- 2) Business maintenance of Vani Engineering works,(Since,June2008).
- 3) As an Assistant Professor in JCT college of Engineering and Technology, Coimbatore (June2011toAugust2020).
- 4) As The Department HOD in Automobile Engineering(August2020totilldate)

## **ACADEMICPARTICIPATION:**

- 1) Department Head In charge
- 2) Admission team head
- 3) NAACCRITERIA4Incharge
- 4) NBA Department co ordinator
- 5) Discipline committee in charge
- 6) NAAC Department co ordinator
- 7) Exam cell co co-ordinator
- 8) Placement co ordinator
- 9) Department student counselor
- 10) Laboratory erection in charge
- 11) Department project co ordinator
- 12) Discipline committee in charge
- 13) Transport Committee in charge
- 14) Anti-Drug Committee in charge
- 15) Printing Poster Committee in charge
- 16) DepartmentEventcoordinator
- 17) NAAN Mudhalvan SPOC
- 18) Autonomous Coordinator

### **AREA OF INTEREST:**

1. Finite Element Analysis
2. Design subjects
3. Engineering Graphics
4. Electrical Vehicles.

### **PROJECT UNDERTAKEN:**

1. Drilling attachment in lathe.
2. Design and fabrication of automatic packing machine, automation.
3. Optimal Design and Analysis of Ball catch Mechanism in Reverso Watch.
4. Self-charging electric Vehicle.
5. Automobile wiring Harnessing.

### **COMPUTER PROFICIENCY:**

#### **Modeling Software:**

1. Pro-E Wildfire.
2. AUTOCAD.
3. ANSYS.
4. Solid works.
5. MATLAB 2023

### **CO-CURRICULAR ACTIVITIES:**

- 1) Many workshops conducted.
- 2) Seminars attended and conducted.
- 3) FDP conducted and attended.
- 4) Grievances cell In charge.
- 5) Placement and Internship In charge
- 6) Discipline Committee In charge

**PAPER PUBLISHED:**

- 1) “Structural Analyzing in Gearbox Cover using nx-Nastran” In Ijrs.m.
- 2) “Optimizing The Process Parameters On Tool Wear Of Tungsten Carbide Insert When Machining Of Aisi 304 Stainlesssteel Materials” IN IJSRE.
- 3) “Mechanical Properties And Tribological Behaviour Of Reinforced Aluminium Metal Matrix Composites” In Ijrte.
- 4) “Enhancement Of Corrosion Behaviour Of Al6061-B4c-Rha Reinforced hybrid composites” IN IJRTE.
- 5) “E- Bike Design And Fabrication With Self Charging” In Pensee.
- 6) “Automobile Security Technology And Progression” In Pensee.
- 7) “Enhancement Of Corrosion Behavior Of Al6061-B4c-Rh Is In Forced Hybrid Composite” In Materials Today.
- 8) “Design And Fabrication Of Two Wheel Drive In Motor Cycle” IN IARJEST.
- 9) “Experimental Research And Design Of Solid State Battery” By Iarjest.
- 10) “Investigation And Safety Measures Of Fire Accidents In Electric Vehicles” By Ijert.
- 11) “A Study Of Barrier And Challenges Of Electric Vehicle In India And Vehicle To Grid Optimisation” By Dickinson.
- 12) “Comparative Analysis Of Electric Vehicles With Conventional Vehicles” In Bulletin For Technology And History Journal.
- 13) “Dry Sliding Wear Behaviour Of Al6061 - Reinforcement With Graphite And Palm Stalk Ash” in International Journal Of Vehicle Structures & Systems.

Scholarlink: <https://scholar.google.com/citations?user=MJZWibEAAA&hl=en>

scopus id: <https://www.scopus.com/authid/detail.uri?authorid=57226373584>

orcid id: <https://orcid.org/0000-0002-4464-9114>

**BOOK PUBLISHED:**

- 1) AUTOMOBILE VIRTUALIZATION GUIDELINES in Notion Publishers-ISBN NO 978168730422.
- 2) RETAIL, SERVICE, AND REPAIR AUTOMOTIVE INDUSTRY TRAINING in Notion Publishers- ISBN NO 978163874987.

- 3) **ELECTRICAL AND ELECTRONICS IN AUTOMOTIVE SYSTEM** in Pencil Publisher-ISBN NO - 9789354580642.
- 4) **MENTORSHIP FOR STUDENTS** in Pencil Publisher -ISBN NO-9789354586729.
- 5) **FINITE ELEMENT METHOD** in Notion Publishers-ISBN-9798889095064.
- 6) **ELECTRIC VEHICLES PERFORMANCE, ADVANCED BATTERY TECHNOLOGY DEVELOPMENT** in Pencil Publications.
- 7) **MANUFACTURING TECHNOLOGY - II** in Notion Publishers ISBN-9798889515524.
- 8) **NON DESTRUCTIVE TESTING** in Notion Publication ISBN 9798889758501
- 9) **ENERGY STORAGE SYSTEMS** in Elsevier Crc Publication.
- 10) **ELECTRIC MOBILITY AND CHARGING INFRA STRUCTURE** in Springer.

#### **PATENT PUBLISHED:**

- 1) **Indoor Occupancy Detection And Estimation Using Machine Learning And Measurements From An Iot Lora Based Monitoring System.**  
Dated 6th July 2022. TEMP/E-1/43638/2022-CHE.
- 2) **Online Predictive Maintenance Of Electric Motors Using Internet Of Things**  
Dated 29<sup>th</sup> July 2022. Application No.202231040194 A
- 3) **Automatic Break System For Controlling A Vehicle Using Ai And MI Model**  
Dated 19<sup>th</sup> August 2022. Application No.202241042519 A
- 4) **Machine Learning Based Approach For Maximizing The utilization Of Sodium Ion Batteries In The Near Future By Addressing The Flaws. (APPLIED).**
- 5) **Electric Vehicle Design Patent Filed**

#### **MEMBERSHIP:**

- 1) **International Association Of Engineers (IA ENG).**
- 2) **National Institute For Technical Training & Skill Development (NITTSD).**
- 3) **All India Council For Technical Skill Development (AICTSD).**
- 4) **International Association Of Academic Plus Corporate (IAAC).**
- 5) **Institute For Engineering Research And Publication (IFERP).**
- 6) **International Society For Development & Sustainability. (ISDS)**
- 7) **American Society Of Mechanical Engineering. (ASME)**
- 8) **National Career Counseling Institute & National Bodies IN CCI**

#### **JOURNAL REVIEWER:**

- 1) **JOURNAL OF ENGINEERING TECHNOLOGIES AND INNOVATIVE RESEARCH ( ISSN:2349-5162).**
- 2) **INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWERS (E-ISSN:2348-1269)**

(P.ISSN:2349-5138).

3) INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS (ISSN2320-2882).

4) INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT (ISSN:2456-4184).

5) INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND TECHNOLOGY (ISSN:2278-0181)

**EDITORIAL BOARD MEMBER:**

1) BLUE EYES INTELLIGENCE ENGINEERING AND SCIENCES PUBLICATIONS. (BEIESP)

2) LATTICE SCIENCE PUBLICATION. (LSP)

**INTERNATIONAL COURSE COMPLETION:**

1) Successful Navigation: Essential Strategies and Skills from University of MICHIGAN.

2) Wind Energy from DTU Technical University of Denmark.

3) Introduction to Psychology from Yale University.

4) Electric Vehicles and Mobility from Ecole des Ponts Paris Tech.

5) People Technology and the Future of Mobility from University of MICHIGAN.

**DECLARATION**

This is **P.SureshKumar** does here by confirm that the information given above is true to the best of my knowledge.

Date:

Place:Coimbatore .

(P.Sureshkumar)