RESUME

PLOT NO 11,VILLA 'C'
PARVATHY STREET
V G V NAGAR EXTN II
KANNAPALAYAM.
AVADI,CHENNAI-71.

Dr.Y. PREMRAJ, M.E, Ph.D.,

Mail: **premrajme@gmail**
Mobile: 9500012869

CAREER OBJECTIVE

To put in the best of myself to the innovative world of future, take responsibilities to lead the team and willing to work as a key player in challenging and creative environment.

ACADEMIC PROFILE:

- **Ph.D.** in Anna University in **MAY 2023**.
- **M.E., MANUFACTURING ENGINEERING (**MECHANICAL**)** stream in Mahabarathi Engineering College Chinasalem. With the **CGPA of 8.37** with **First class in 2014. (ANNA UNIVERSITY)**
- **B.E.,** (MECHANCAL) with 74.3% from VMKV Engineering College Salem in part time manner in **2011 (VINAYAKAMISSION UNIVERSITY)**
- **D.M.E., (MECHANICAL)** With **First Class** (64.5%) From **S.C.S.M Polytechnic.** Mohanur in **1993**
- **D.R &A/C with First Class from I.C.E.T** Karur **in 1994**

PROFESSIONAL EXPERIENCE:

- Working As **Principal** in **T.J.S polytechnic College, Kavaraipettai,** from **July 2025**
- Worked as an **Assistant Professor** and **Head** in Department of Mechanical and Automation Engineering at **Gojan School of Business and technology**, Chennai from **March 2024 to July 2025**
- Worked as an **Assistant Professor** in Department of Mechanical Engineering at **Chennai Institute of Technology**, Chennai from **July 2023 to February 2024**
- Worked as a **Sr.Lecturer** and **Placement officer** in Department Mechanical Engineering at **S.A Polytechnic College, Avadi**. from **May 2010 to July 2023**
- Worked as a **Lecturer** in Department Mechanical Engineering **at Dhanalakshmi Srinivasan Polytechnic College**, Perambalur. from **JUNE 2007 to May 2010)**
- Worked as a Technical Assistant **Jayaram College of Engineering and Technology**. Pagalavadi Trichy from **JULY 1996** to **AUGUST 2002**

HANDLED SUBJECT:

- Computer Integrated Manufacturing Engineering
- Engineering graphics
- Fluid mechanics and Fluid power
- Strength of Material
- Automobile technology
- Refrigeration and Air conditioning
- Industrial engineering and management

ADDITIONAL RESPONSIBILITIES:

- Worked as a N B A coordinator in **Dhanalakshmi Srinivasan Polytechnic College**, Perambalur to achieve 'A'+ accreditation from NAC on 2009
- Acting as a exam coordinator in **Dhanalakshmi Srinivasan Polytechnic College**, Perambalur.
- Acting as a **Placement Officer** at S.A Polytechnic college for the past five years, to place the students at different levels in reputed private manufacturing industries like in and around Tamilnadu like TVS, L&T, HITACHI, APOLO TYRES and etc.
- Acting as a **SPOC** for SWAYAM NPTEL, Local chapter organised by **IIT Madras**.
- Arranged more than 50 **Campus interviews** by the top most reputed industries from Tamilnadu, and achieved the 100% placement for the students for the past five years
- Arranging **Industrial Visits** (IV) to the students at various organisations to enrich the technical knowledge of the students to adopt the recent trends.
- Arranging **In Plant Training** (IPT) to the students at various Industries to know the recent trends in Mechanical Engineering,
- Guided more than 25 Real time Projects to the final year students for the past 12 years and more than 50% of projects are Fabricated under my direct guidance from the above.
- Got the **Best project Award** from DOTE, Tamil Nadu, for one of my projects "FOUR WHEEL STEERING MECHANISM" on 2009 under my guidance.

ACHIEVEMENTS:

- Published one pattern "*SCISSOR TYPE LIFT USING SCREW MECHANISM*"
- Prem Raj. Y, Lenin. K, Balamurugan. S, "*Effect of Tool Pin Positioning Factors on the Strength behavior of Dissimilar Joints of AA5754 H111 And AA6101-T6 By Using Friction Stir Welding*" Transactions of the Indian Institute of Metals, 2023
- Prem Raj, Y & Lenin, K 2022, '*Identifying the optimal process parameter on AA1100 friction stir welded joints*', Technical Gazette vol. 29, no. 3, pp. 957-964,(Published)
- Prem Raj. Y, Lenin. K, Mullaikodi S.M, and Srinivasan.D *Multi-Objective Optimization of Friction Stir Welding Parameters for AA1100 Joint*', Tierärztliche Praxis, (2021) Vol. 41, pp. 753-776. (Published)
- Y. Premraj, M. Selvaraj, K. Suresh, S. *Balamurugan 'Corrosion Studies, of Friction Stir Welded-AA5754-H111 with Mg-AZ61 Alloys by using Salt Spray Test'.* Advances in Additive Manufacturing Technologies2024 chapter 35
- M. Selvaraj, S. Balamurugan, Dharmalingam, Y. Premraj, *S'alt Spray Corrosion Studies of Friction Stir Welded and Processed AZ31 Mg Alloys with Al2O3 and Cu.* Advances in Additive Manufacturing Technologies2024 chapter 35
- Nandakumar Kothandam, Lenin Kasirajan, Premraj Yogaraj, Balamurugan Senthamaraikanna , "*Fatigue Studies on Cryogenic Treated Dissimilar FSW AA6066-T6 and AA1060-T6 Aluminium Alloys*" Materials Science (Medžiagotyra)2025
- Nandakumar Kothandam, Lenin Kasirajan, Balamurugan Senthamaraikannan, Premraj Yogaraj, "Analyzing the Influence of Tool Plunge Depth and Frictional Heat Generation in Friction Stir Welding of Scandium-Modified Dissimilar Aluminum Alloys", *Trans Indian Inst Met* (2025) 78:107. https://doi.org/10.1007/s12666-025-03581-3

ASSETS:

- Very positive attitude and hard worker.
- Highly motivated to work as a team.
- Can be moulded to fit into any position.
- Ability to think about a situation in different perspective angles.

COMPUTER PROFICIENCY:

- Has expertise in Microsoft office packages like **Word, Excel, PowerPoint** and Access.
- **Auto Cad, Solid works**

OTHERS:

- Under gone a one-week training course on Programming **and operation on CNC machines** at Regional Engineering College, Trichy
- Having heavy Motor vehicle driving license.

PERSONAL PROFILE

Name	: Premraj Y
Father's name	: Yogaraj. G
Date of Birth	: 21-05-1975
Sex	: Male
Marital Status	: Married
Nationality	: Indian
Languages known	: Tamil, English

Declaration

I hereby declare that the information given above is true to the best of my knowledge and belief.

Signature

(Premraj.Y)