

# RESUME

*J. KESAVAN*

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## **OBJECTIVE:**

I aspire to work in a competitive environment where I can fully utilize my skills and abilities and also keep gathering knowledge and experience.

## **EDUCATIONAL QUALIFICATION:**

- M.Tech in Advanced Manufacturing** from SASTRA UNIVERSITY
- B.Tech in Mechanical Engineering** from SASTRA UNIVERSITY
- Diploma in Mechanical Engineering** from CCMR POLYTECHNIC

## **COURSE UNDERGONE:**

- Completed **AUTO CAD** with 2D drafting & 3D modeling.
- Completed **MDT (Mechanical Desk Top)** with modeling.
- Completed **Dassault System CATIA** with modeling & Animation.
- Completed **Dassault System SOLIDWORKS** with modeling & Animation.
- Completed **Pro-Engineering** with modeling & manufacturing.
- CNC – Turning Centre [Lathe]
- CNC – Milling [Horizontal & Vertical] Programming and Operating.
- Train the trainer Program on **Industrial Automation Technology (Rexroth Bosch Group- India)**
- Train the Trainer Program on **Industrial Automation Technology Level I (Rexroth Bosch Group- Germany)**

## **Workshops/Seminars/Conferences**

- Basic concepts of effective research planning, **scientific writing and successful communication** (19/07/19 – 20/07/19)
- Faculty development programme on **Additive Manufacturing**. (11/07/19 – 17/07/19)
- Recent advances in **Solar Energy Technologies for Sustainable Development** (29/04/19 - 11/05/19)
- International Conference on **Trends in Emerging Energy Technologies** (12/03/19 – 13/03/19)
- Workshop on **Statistical Tools in Research Methodology** (7/01/19-12/01/19)
- Workshop on **Processing of Smart Materials** (11/07/16- 16/07/16)
- Workshop on **design and manufacturing** (16/05/16-23/05/16)
- Training programme on **ACE CNC Lathe Programming** (26/10/2013-27/10/2013)
- National seminar on **An Insight into Supercritical Technology Concept of Commissioning** (06/09/2013-07/09/2013)
- Workshop on **Curriculum Development in Production Engineering** (22/03/13)
- International Conference on **Mechanical and Industrial Engineering** (14/10/2012)
- Workshop on **Engineering Thermodynamics** (11/12/12-21/12/12)
- Train the trainer Program on **Industrial Automation Technology (Rexroth Bosch Group- India)** (01/06/2012-30/06/12)
- Train the trainer Program on **Industrial Automation Technology level I (Rexroth Bosch Group- Germany)** (25/11/13-29/11/13)
- **National service scheme training programme** at Chennai (19/09/11-24/09/11)

## **Publications**

- Optimization of surface roughness parameters for EN8 steel by tungsten carbide tool in turning operation in IJERT, volume 4, issue 6 June 2015.
- Performance evaluation and simulation of pressurized gasification ICMIE 14/10/12

- An Electro-Pneumatic Projectile Launching Training System International Patent. **International Publication Number 2019/016671 A1**
- A review on friction stir welding of titanium alloys, Indian Journal of Scientific Research, ISSN: 2250-0138,14 (1), 244-247May 2017
- Experimental and numerical investigations on machining of Hastelloy C276 under cryogenic condition. Materials Today: Proceedings. 2020 Jan 1;27:2441-4.
- Experimental investigations on cryo-machining of Hastelloy C-276 with tool wear characteristics. Sādhanā. 2020 Dec;45(1):1-4.
- Effects of sintering temperature on grain growth of NiTiCu shape memory alloy. Materials Today: Proceedings. 2020 Jun 27.
- Design And Fabrication Of Ergonomic Hedge Trimming Machine With Angle Adjustment.

## **Patent**

- **AN ELECTRO-PNEUMATIC PROJECTILE LAUNCHING TRAINING SYSTEM**

Priority Data:

20174102430019 July 2017 (19.07.2017)I

International Patent Classification:

609B 9/00 (2006.01) F41G 7/00 (2006.01)

International Application Number:

PCT/1B2018/055242

International Filing Date:

16 July 2018 (16.07.2018)

**PERSONAL PROFILE:**

**Date of Birth** : **02.02.1984**  
Father's Name : G. Jothi  
Gender : Male  
Nationality : Indian  
Passport Number : **E 4975692**

**DECLARATION:**

I hereby declare that all the details furnished above are true and genuine to the best of my knowledge.

**(J. KESAVAN)**