

**Dr. V.VIGNESH KUMAR**

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Virudhunagar District, Tamilnadu, India.  
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**Career Objective**

To work in a reputed institution as Professor, that will provide me a good platform to utilize my teaching and administration skills and will help me to grow my career.

**Education and Qualifications**

- ❖ **Ph.D (Mechanical Engineering)**, Part Time at Anna University – Chennai. Jan 2016 - Feb 2020.
- ❖ **M.E (Engineering Design)** from Regional Campus of Anna University - Madurai with 7.65 CGPA during the period from 2012-2014.
- ❖ **B.E (Mechanical Engineering)** from Sethu Institute of Technology- Kariapatti with 70% during the period from 2007-2011.

**Professional Experience**

- ❖ Working as an Assistant Professor in the Department of Mechanical Engg at Sree Sowdambika College of Engineering – Aruppukottai, from 15/06/2015 to till date.
- ❖ Worked as an Assistant Professor in the Department of Mechanical Engineering at Maharaja Engineering College – Avinashi, from 14/06/2014 to 31/05/2015.

**Research Experience**

- ❖ Department of Mechanical Engineering, University College of Engineering - Dindigul, **Jan 2016 – Feb 2020.**
- ❖ **Title :** Investigation of Al7075 Hybrid Composites Prepared by Conventional Casting Method

**List of Publications**

1. **Vignesh Kumar. V**, Raja.K, Chandrasekaran.K & Ramkumar.T 2019, ‘Microstructural characterization and mechanical Properties of Al7075/BN Metal Matrix Composites prepared by conventional casting method’, Materials Research Express, IOP Sciences, vol. 6, no. 6, **(Impact Factor: 1.449).**
2. **Vignesh Kumar. V**, Raja.K, Chandrasekar.V. S & Ramkumar.T 2019, ‘Thrust force evaluation and microstructure characterization of hybrid composites (Al7075/B<sub>4</sub>C/BN) processed by conventional casting technique’ Journal of Brazilian Society of Mechanical Sciences & Engineering, Springer, vol. 41, P. 228. **(Impact Factor: 1.743).**

3. Raja.K, Chandrasekar.V.S, **Vignesh Kumar.V**, Ramkumar.T & P.Ganeshan 2020, 'Microstructure Characterization and Performance Evaluation on AA7075 Metal Matrix Composites Using RSM Technique' Arabian Journal for Science and Engineering, Springer, doi.org/10.1007/s13369-020-04752-8. (**Impact Factor: 1.711**).
4. S. Sowmiya, M. Mohamed Abdul Hafeez, Sowmiyajit Koley, **V. Vignesh Kumar**, V. Yamuna Devi 2020, "Assessment of fracture toughness using EWF of IFHS steel" Materials Today: Proceedings, doi.org/10.1016/j.matpr.2020.05.455.

### Subjects Taught

- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1. Strength of Materials           | 5. Manufacturing Technology – I  |
| 2. Gas Dynamics and Jet propulsion | 6. Manufacturing Technology – II |
| 3. Dynamics of Machinery           | 7. Mechatronics                  |
| 4. Design of Machine Elements      |                                  |

### Additional Responsibilities

- |  |   |
|--|---|
| ❖ Academic Result Analysis co-ordinator. | ❖ Guided 12 B.E projects & 2 M.E project. |
| ❖ Time table In-charge (1year).          | ❖ MT-I Lab In-charge.                     |
| ❖ IV Year Project co-ordinator.          | ❖ College Maintenance In-charge           |

### Key Skills

- |                       |                |                           |
|-----------------------|----------------|---------------------------|
| ❖ Consistent Learning | ❖ Leadership   | ❖ Mentoring with patience |
| ❖ Team player         | ❖ Adaptability |                           |

### List of Conferences and Workshops

1. Attended two days' workshop on "Current Trends in Nanotechnology" at Mepco Schlenk Engineering College-Sivakasi, from 5<sup>th</sup> & 6<sup>th</sup> February 2016.
2. Attended One Day International Workshop on "Advanced Materials Engineering" (PiE-IV) at Thiagarajar College of Engineering- Madurai, on 26<sup>th</sup> September 2016
3. Attended 5 Days Faculty Induction Programme at SRM University, Katankulathur – Chennai, during 21<sup>st</sup> to 25<sup>th</sup> November 2016.
4. Attended two days' Workshop on "Research Issues in Powder Metallurgy" at Mepco Schlenk Engineering College-Sivakasi, during 30<sup>th</sup> & 31<sup>st</sup> December 2016.
5. Attended two day's Workshop on "Modeling & Simulation of Engineering systems" at NIT-Trichy, during 23<sup>rd</sup> & 24<sup>th</sup> March 2018.
6. Attended one day National Level Workshop on "Additive Manufacturing" conducted by Sree Sowdambika College of Engineering-Aruppukottai, on 28<sup>th</sup> September 2018.
7. Attended AICTE – QIP sponsored one week Short Term Course on "Design, Manufacturing

and Characterization of Micro and Nano Composite Materials” at Thiagarajar College of Engineering-Madurai, during 30<sup>th</sup> January to 5<sup>th</sup> February 2019.

8. Attended National level seminars and conferences in various colleges.

#### **Personnel Details**

**Date of Birth** : 24/12/1987

**Marital Status** : Married

**Languages Known** : Tamil, English, Kannada

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