

Dr. V.VIGNESH KUMAR

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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 (SG) 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/B₄C/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

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|-----------------------|----------------|---------------------------|
| ❖ 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 5th & 6th February 2016.
2. Attended One Day International Workshop on "Advanced Materials Engineering" (PiE-IV) at Thiagarajar College of Engineering- Madurai, on 26th September 2016
3. Attended 5 Days Faculty Induction Programme at SRM University, Katankulathur – Chennai, during 21st to 25th November 2016.
4. Attended two days' Workshop on "Research Issues in Powder Metallurgy" at Mepco Schlenk Engineering College-Sivakasi, during 30th & 31st December 2016.
5. Attended two day's Workshop on "Modeling & Simulation of Engineering systems" at NIT-Trichy, during 23rd & 24th March 2018.
6. Attended one day National Level Workshop on "Additive Manufacturing" conducted by Sree Sowdambika College of Engineering-Aruppukottai, on 28th 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 30th January to 5th 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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