

**Name** : **V VETRI VEL**
Designation : ASSISTANT PROFESSOR
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➢ **Research Area**: Cermets, cutting tool, ceramic matrix composites, metal matrix composites

➢ **Educational Qualifications**:

| Qualification | Department | Year (From -To) | Percentage | Class |
|---|---|---|---|---|
| B.E | Mechanical Engineering | 2013 - 2017 | 78.10 | First class |
| M.E | Manufacturing Engineering | 2018 – 2020 | 82.40 | First class |
| Ph.D. | Mechanical Engineering | 2022 – till now | | |

➢ **Experience: ( Years )**

| Name of Company / Institutions | Designation of Post | From | To | Experience in Year |
|---|---|---|---|---|
| | | DD-MM-YYYY | DD-MM-YYYY | |
| Anna University – CEG | Junior Research Fellow | 05-07-2021 | 07-09-2022 | 1 year and 2 months |

➢ **Additional / Academic Responsibilities at University:**

➢ **Professional Activities:**

ASM Membership

➢ **Completed B.E/M.E Projects:**

| Students | Title | year |
|---|---|---|
| UG students | Development of TiCN based cermets modified by $B_4C$ and Ni for metal cutting application | 2026 |

- **Sponsored Research Activities:**

NIL

- **List of Seminar / Short Term Course /FDP/ Workshop attended: (Within India)**

| S No | Title | No. of Days | From (DD/MM/YY) | To (DD/MM/YY) | Sponsoring Agency (if any) |
|---|---|---|---|---|---|
| 1. | Advances in ceramics and composites | 1 | 10/07/2023 | 10/07/2023 | DST – SERB |
| 2. | Employability skill development program (Phase 1) | 1 | 12/02/2026 | 12/02/2026 | TITAN LeAP – CUIC, Anna University |
| 3. | Employability skill development program (Phase 2) | 1 | 27/03/2026 | 27/03/2026 | TITAN LeAP – CUIC, Anna University |

- **International Conferences Participated:**

| S No | Title | No. of Weeks | From (DD/MM/YY) | To (DD/MM/YY) |
|---|---|---|---|---|
| 1 | Lecture delivered on Heat treatment and surface Engineering conference | 3 days | 28 – 09 – 2023 | 30 – 09 – 2023 |

- **Publications :**

**a. International Journals:**

| S No | Authors | Title | Journal Name | Date of publication |
|---|---|---|---|---|
| 1. | Vetri Vel Veerapandian , Balasivanandha Prabu Shanmugavel | On the effects of $B_4C$ addition on the microstructure, mechanical properties, wear and thermal stability of TiCN- Co -$Cr_3C_2$-$Si_3N_4$ cermets developed by vacuum hot pressing | International Journal of Refractory Metals and Hard Materials | April,2024 |

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|---|---|---|---|---|
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➢ **Patents**

| S No | Title | Application Number | Date of Publication |
|---|---|---|---|
| 1 | TiCN based cermet cutting insert and method of making the same | 202441305209 | 10-05-2024 |

**DECLARATION:**

I CERTIFY THAT THE INFORMATION FURNISHED ABOVE IS CORRECT TO THE BEST OF KNOWLEDGE AND BELIEF.

DATE: 14-05-2026 Signature With date