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|--------------------------|--|---|----------------------|-----------------|---|
| 1                        | <b>Name of the Faculty</b>   | Dr. AKASH   |                      |                 |  |
| 2                        | <b>Date of joining</b>   | 01-08-2018  |                      |                 |   |
| 3                        | <b>Email id</b>  | akashbiradar@gmail.com  |                      |                 |   |
| 4                        | <b>Designation</b>   | Associate Professor   |                      |                 |   |
| 5                        | <b>Department</b>  | Mechanical Engineering  |                      |                 |   |
| 6                        | <b>Education Qualifications</b>  | BE,<br>M.Tech,<br>Ph.D  |                      |                 |   |
| 7                        | <b>Work Experience</b>   | <b>Teaching</b>   | <b>Research</b>      | <b>Industry</b> | <b>Others</b>   |
|                          |  | 05  | 03                   | Nil             | Nil   |
| 8                        | <b>Area of Specialization</b>  | <b>Advanced Materials</b>   |                      |                 |   |
| 9                        | <b>Courses taught at Diploma/ PostDiploma/ Under Graduate/ PostGraduate/PostGraduate Diploma Level</b> | <ol style="list-style-type: none"> <li>1. Elements of Mechanical Engineering</li> <li>2. Material Science &amp; Metallurgy</li> <li>3. Energy Engineering</li> <li>4. Theory of Machines</li> <li>5. Non Traditional Machining</li> <li>6. Manufacturing Technology</li> <li>7. Additive Manufacturing</li> <li>8. Industrial psychology &amp; organizational Behavior</li> </ol> |                      |                 |   |
| 10                       | <b>No.o fpapers published in National/International Journals/Conferences</b>                           |   |                      |                 |   |
|                          | <b>Journals</b>  | <b>National</b>   | <b>International</b> |                 |   |
|                          |  | 02  | 23                   |                 |   |
|                          | <b>Conferences</b>   | <b>National</b>   | <b>International</b> |                 |   |
|                          |  | 04  | 08                   |                 |   |
| <b>Research Guidance</b> |  |   |                      |                 |   |
| <b>Master Degree</b>     | <b>Completed</b>   | <b>Ongoing</b>  |                      |                 |   |
|                          | 04   | NIL   |                      |                 |   |

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| <b>Ph.D.</b> | <b>01</b> | <b>04</b> |
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|           |  |            |           |
| <b>11</b> | <b>Patents</b>   | <b>Nil</b> | <b>01</b> |
| <b>12</b> | <b>Technology Transfer</b>   | <b>Nil</b> |           |
| <b>13</b> | <p>Publications in International/ National Journals</p> <ol style="list-style-type: none"> <li>1) <b>Akash</b>, Anil.K.Chikkanna, Girisha.K.G, K.V.Sreenivas Rao, “<b>Effect of Fibre Orientation on Specific Gravity, Hardness, Flexural Strength and Tensile Properties of Jute/Hemp Hybrid Laminate Composite</b>”, Applied Mechanics and Materials Vols 766-767; pp 75-78, 2015.</li> <li>2) Girisha K G, Anil K C, <b>Akash</b>, “Mechanical Properties Of Jute And Hemp Reinforced Epoxy/Polyester Hybrid Composites”, International Journal of Research in Engineering &amp; Technology (IMPACT: IJRET), ISSN(E): 2321-8843; ISSN(P): 2347-4599, Vol. 2, Issue 4, Apr 2014, 245-248.</li> <li>3) H.S.Mohan, <b>Akash</b>, T.P.Bharateesh, K.V.Sreenivas Rao, “<b>Determining the Mechanical Properties of Treated and Untreated sugarcane Powder and Banana Reinforced Natural Composite Materials</b>”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 11 (2015).</li> <li>4) <b>Akash</b>, Anil K Chikkanna, K V Sreenivas Rao, N S Venkatesha Gupta, “<b>Evaluation of Mechanical Properties of Sisal Fiber-Epoxy resin- Pulp of Samanea saman Pod Hybrid Composite</b>”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.78, pages: 104-107, pages: 113-116, 2015.</li> <li>5) <b>Akash</b>, Anil K Chikkanna, K V Sreenivas Rao, N S Venkatesha Gupta, “<b>Evaluation of Mechanical Properties of Epoxy Resin and Alkaline Treated Sisal and Flax Fibers Reinforced Composites</b>”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.78, 2015.</li> <li>6) <b>Akash</b>, Venkatesh Gupta, K V Sreenivas Rao, Prasad C B, Prabilson khadka, “ <b>Comparative Evaluation of Mechanical and Water Absorption Properties of Pure Epoxy Resin, Coir Fiber/Epoxy Resin and Hemp Fiber/Epoxy Resin Composite</b>”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55, pages: 3948-3951, 2015.</li> <li>7) Girisha K G, Anil K C, <b>Akash</b>, K V Sreenivas Rao, “<b>Dry Sliding Wear behaviour of B4C Coating on AISI 410 Stainless Steel Deposited by HVOF Spraying</b>”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 11, pages:10270-</li> </ol> |            |           |

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- 8) K. V. Sreenivas Rao, N. S. Venkatesha Gupta, **Akash**, Sanjeevamurthy, “**Mechanical Properties of Natural Fibers Reinforced Hybrid Composites**”, ARPN Journal of Engineering and Applied Sciences, Vol. 11, No. 1, January 2016.
- 9) Girisha K G, Anil K C, **Akash**, K. V, Sreenivas Rao, “**Investigation of HVOF Thermal Sprayed Micro B<sub>4</sub>C, Micro-1%, 2%, 3% Nano B<sub>4</sub>C Coatings on Dry Sliding Wear Performance of 410 Grade Steel**”, ARPN Journal of Engineering and Applied Sciences, VOL. 11, NO. 1, pages: 247-252, 2016.
- 10) K V Sreenivasrao, Anil K C, Girish K G, **Akash**, “**Mechanical Characterization of Red Mud Reinforced Al-8011 Matrix Composite**”, ARPN Journal of Engineering and Applied Sciences, VOL. 11, NO. 1, pages: 229-234, 2016.
- 11) N S Venkatesha Gupta, **Akash**, K V Sreenivasa Rao, Arun kumar D S, “**Fabrication and evaluation of mechanical properties of alkaline treated sisal/hemp fiber reinforced hybrid composite**”, IOP Conf. Series: Materials Science and Engineering 149, pages:1-7, 2016.
- 12) **Akash**, K V Sreenivasa Rao, N S Venkatesha Gupta, Arun kumar D S, “**Mechanical Properties of Sisal/Coir Fiber Reinforced Hybrid Composites Fabricated by Cold Pressing Method**”, IOP Conf. Series: Materials Science and Engineering 149, pages: 1-7, 2016.
- 13) K. V. Sreenivas Rao, Girisha K. G, and Anil K. C, **Akash**, “ Dry Sliding Wear Performance Of Thermal Sprayed Micro- Nano Boron Carbide Coating On 410 Grade Steel”, ARPN Journal of Engineering and Applied Sciences, VOL. 11, NO. 6, MARCH 2016.
- 14) **Akash**, Girisha K G, N S Venkatesha Gupta, K V Sreenivas Rao, “**A study on flammability and moisture absorption behavior of sisal/coir fiber reinforced hybrid composites**”, IOP Conf. Series: Materials Science and Engineering 191, pages: 1-5, 2017.
- 15) **Akash**, N S Venkatesha Gupta, K V Sreenivas Rao, Arunkumar D S, “**Effect of Samanea Saman Pod Pulp on Sisal/Coir Fiber Hybrid Composites**”, Materials Today: Proceedings 4 (2017) 9592–9596.
- 16) N S Venkatesha Gupta, K V Sreenivas Rao, **Akash**, Arunkumar. D. S, “**Effect of Samanea Saman Pod Pulp on Mechanical and Water Absorption Properties of Bio-Composites**”, Materials Today: Proceedings 4 (2017) 11154–11157
- 17) K.V.Sreenivas Rao, Anil.K.C, **Akash**, Girisha.K.G, “**Effect of Particle Size on Mechanical Properties of Al-RMp Metal Matrix Composites**” Materials Today: Proceedings 4 (2017) 11154–11157.
- 18) **Akash**, N S Venkatesha Gupta, K V Sreenivas Rao, “**An Experimental Study on Sisal/Hemp Fiber Reinforced Hybrid Composites**”, Materials Today: Proceedings 5 (2018) 7383–7387.
- 19) **Akash**, Shivakumar Rachoti, Vishwanath Patil, and K. G. Girisha, “**An Experimental Study on Hemp/Sisal Fiber Embedded Hybrid Polymer Composites**”, S. Vijayan et al. (eds.), Trends in Manufacturing and Engineering Management, ISSN 2195-4356, ISBN 978-981-15-4744-7, Springer Nature Singapore Pte Ltd. 2021. Pp 293-301.
- 20) Vishwanath Patil, Sanjeev Janawade, Suneelkumar N Kulkarni, **Akash Biradar**, “Studies On Mechanical Behavior And Morphology Of Alumina Fibers Reinforced With Aluminium-

4.5% Copper Alloy Metal Matrix Composites”, Materials Today: Proceedings (2020).

- 21) Shivakumar Rachoti , **Akash**, K.G. Girisha, “Mechanical and fire retardant behaviour of Flax/Sisal fiber hybrid composites” Materials Today: Proceedings 64 (2022) 32–36.
- 22) K.C. Anil, J. Kumaraswamy, **Akash**, S. Sanman, “Experimental arrangement for estimation of metal-mold boundary heat flux during gravity chill casting”, Materials Today: Proceedings. Volume 72, Part 4, 2023, Pages 2013-2020.
- 23) Sharan kumar , **Akash**, Anil K C, Kumaraswamy, “Solid Particle Erosion Performance of Multi-layered Carbide Coatings (WC-SiC-Cr<sub>3</sub>C<sub>2</sub>)”, EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 10, Issue 02, pp813-819, June 2023.