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Savitribai Phule Pune University Identification No. PU/PN/Engg. /441/2012, DTE CODE:- EN 6794

Research and Development Profile



Name of Faculty: Prof. Sampada Somnath Ahirrao.

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Department: Mechanical Engineering

Qualification: ME (Design) Mechanical

Designation: Assistant professor

Experience: Industry: 3 years

Teaching: 8 months

Area of Interest : Design, FEA And Manufacturing.

Department of Mechanical Engineering.

International Journal Publication Papers:

1. Published A Paper on “Fatigue analysis of leaf spring bracket for light duty vehicles on topology optimization approach design, analysis, optimization and fatigue ,JAC ISSN 0973-2861, July 2020.

National Conference Papers:

- 1 A paper presented and published on “Topology optimization of leaf spring bracket for light commercial vehicle ” in National conference on Science and technology , At S.B Patil College of Engineering ,Indapur.
- 2 A paper presented and published on “Heat transfer Augmentation of automotive radiator with nanofluids” in National conference on technical revolution [NCTR-2018] , At Anantrao Pawar College of Engineering and Research ,Pune.

Workshop/Webinars/STTP/FDP Attended:

1. Attended one day National level webinar on “Awareness of Intellectual Property Rights (IPR)” Organized by Department of Mechanical Engineering ,Anantrao Pawar College of Engineering and research Centre, Pune on 04/03/2022.
2. Attended Online webinar on “Artificial Intelligence and Machine Learning” Organized by Pantech solutions, from 01/6//2022-30/06/22.
3. Attended two days FDP on “Nine Foundation techniques of data science and AI the new electricity” Organized by Organized in association with IQAC, Anantrao Pawar College of Engineering and Research ,Pune, from 18-07-21 and 22-07-2021

Patent

1. Title of the Invention: “**A METHOD AND FORMULATION OF AGAVE FIBRE REINFORCED COMPOSITES.** ”
Application No.202221023903 A, Publication Date: 27/05/2022, INDIA
The Patent Office Journal No. 21/2022 Dated 27/05/2022.
International classification:
C08J0005040000,B29Y00300000,B29C004300000,B29K0105160000,A61K0036880000.
2. Title of the Invention: “**A METHOD AND FORMULATION OF JUTE FIBER COMPOSITEAT DIFFERENT PLY.** ”
Application No.202221023904 A, Publication Date: 27/05/2022, INDIA
The Patent Office Journal No. 21/2022 Dated 27/05/2022
International classification:
C08J0005040000,B29C0070080000,B29C007008000,B29K0105160000,A61K0036880000.