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| Name | S Venkatachalam | | | <u>Designation</u> | | |
| Date of Joining | 03.06.2019 | | | Assistant Professor | | |
| Research Areas | Aerospace Structures | | | Email : venkatachlam@karunya.edu Contact : 9791175905 | | |
| Education | UG | Mechanical Engg. | Thiagarajar College of Engg., Madurai Kamaraj University | | 1995 | |
| | PG | Aeronautical Engg. | Park College of Engineering & Technology, Anna University, Chennai | | 2006 | |
| | PhD | Aerospace Engg. | IIT Madras | | 2018 | |
| | Others | | | | | |
| Total Experience (Years) | Teaching | | Industry | | Research | |
| | 13 Years | | 5 Years | | 8 Years | |
| Area of Specialization | Mechanical Characterization of conventional and Composite Materials | | | | | |
| Research Interests | <ul style="list-style-type: none"> • Characterized the fatigue damage evolution in CFRP through local transverse strain measurement using digital image correlation (DIC) • Determined the size effect on Young's modulus of aluminium Al6061 material using DIC • Structural integrity and fracture characteristics of woven fabric GFRP • Characterizing anisotropy in ultra-fine grained materials (Aluminium, steel) developed from severe plastic deformation process using spatial strain variation obtained from full-field strain measurements using DIC. • Solution to two dimensional elastic problems involving functionally graded material in radial co-ordinates. | | | | | |
| Subjects Teaching | Under Graduate | | | Post Graduate | | |
| | Strength of Materials Aircraft Structures Structural Vibration | | | Aircraft Structures Finite Element Methods Experimental Stress Analysis | | |
| No. of Papers Published | Scopus | 6 | Web of Science | - | UGC / Others | -- |
| No. of Papers Presented in Conferences | International : 5 National : 1 | | No. of FDPs attended 3 | | No. of Guest Lectures Delivered 3 | |
| Research Guidance | Ph.D. : - Nil | | PG Level : Nil | | UG Level : 1 | |
| Department Responsibilities | Academic Coordinator Eduserve Coordinator Timetable Coordinator | | | | | |