

### **Personal Information**

Name	Dr.Chitturi Sai Krishna
Years of Experience	Teaching: 14 Years 7 months
Email ID	saikrishna.ch@bvrithyderabad.edu.in
Course Networking ID	CS2286
Areas of Specialization	Composite materials, Mechanical Characterization of PMCs (Structural and Armor applications)



### **Educational Qualifications**

Doctoral Degree	Ph.D.	Mechanical Engineering
PG Degree	M.Tech.	Aerospace Engineering
UG Degree	B.Tech.	Mechanical Engineering

### **Papers Published**

#### **International Journal Publications**

- ☞ **Chitturi, Sai Krishna**, and A. A. Shaikh. "Effect of Stacking Arrangement and Reinforcement Ratio on Impact Behavior of Novel Thermoplastic Embedded Hybrid Composites." *Iranian Journal of Science and Technology, Transactions of Mechanical Engineering* 45, no. 1 (2021): 287-297. (SCI)
- ☞ **Krishna, Chitturi Sai**, A. A. Shaikh, and Alpesh Makwana. "Evaluation of hybridization effect on static and dynamic properties of the thermoplastic-based hybrid composites-an experimental study." *International Journal of Polymer Analysis and Characterization* 25, no. 1 (2020): 34-50. (SCI)
- ☞ **Chitturi, Sai Krishna**, A. A. Shaikh, and Alpesh H. Makwana. "Static analysis of thermoset-thermoplastic-based hybrid composite." *International Journal of Structural Integrity* (2019). (Scopus)
- ☞ **Chitturi, Sai Krishna**, and A. A. Shaikh. "The dynamic performance of novel multilayered hybrid composite laminate." *SN Applied Sciences* 2, no. 6 (2020): 1-8. (Web of science)
- ☞ Makwana, Alpesh H., A. A. Shaikh, A. K. Bakare, and **Saikrishna Chitturi**. "Investigation of patch hybridization effect on the composite patch repair of a cracked aluminum plate: A

pragmatic approach." *Mechanics of Advanced Materials and Structures* 26, no. 17 (2019): 1458-1468. (SCI)

### *International Conference Publications*

☞ Makwana, Alpesh, A. A. Shaikh, A. K. Bakare, and **Chitturi Saikrishna**. "3D numerical investigation of aluminum 2024-T3 plate repaired with asymmetric and symmetric composite patch." *Materials Today: Proceedings* 5, no. 11 (2018): 23638-23647. (Scopus)

### *Peer reviewed Journal Papers*

☞ Krishna, CH Sai, S. Suneel Kumar, Siva Bhaskara Rao Devireddy, and Anand Babu Kotta. "Effect of Unit Cell on Elastic Properties of Fiber Reinforced Polymer Composite Materials." (2016). *International Journal of Scientific Research in Science, Engineering and Technology* 2 (1), 2016: 282-286.

☞ CH Sai Krishna, Jakeer Hussain Shaik, Siva Bhaskara Rao, Anand Babu Kotta "Stress distribution of adhesively bonded double lap joints in FRP laminated composites using FEM." *International Journal of Applied Research* 2(7), 2016: 86-90.

### *Workshops Attended*

☞ Attended a one-week online international faculty development program on “Advancements in automobile engineering for sustainable Development” organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, from 24th to 28th June 2024.

☞ Completed NPTEL-AICTE Approved FDP (12 weeks) on “The Joy of Computing using Python” during Jan-Apr-2024.

☞ Attended one-week national level faculty development program on “Fabrication & Characterization of Novel fiber reinforced polymer composite for structural applications” organized by DAR, Sandip Institute of Technology and research center, Nashik. During 22-26th April, 2024.

☞ Attended a one-week national level FDP on “Additive Manufacturing Technology” organized by the School of Engineering and Technology, Sandip University, Nashik from 4th to 9th March 2024.

☞ Attended a 5-day FDP on “Modeling and Simulation of Electric Vehicles” organized by Dhole Patil College of Engineering, Pune from 26th Feb to 01st March 2024.

- ☞ Attended a one-week FDP on “ Emerging Trends in Advance manufacturing Technology” organized by the School of Engineering and Technology, Sandip University, Nashik from 20 to 24th Feb 2024.
- ☞ Attended a National level FDP and Pre-incubation program organized by Atal Incubation Center ALEAP WEHUB, Hyderabad held from 19th to 21st Feb 2024.
- ☞ Attended Faculty Development Program (Online) on VIRTUAL LABS (PALS-VLABS 2022-23 INITIATIVE with NITK Surathkal) during 19th to 21st Oct’2022 at BVRITH, Hyderabad.
- ☞ TEQIP-III Sponsored five-day program on “Reverse Engineering for Product design” during 6th to 10th Jan’2020 at SVNIT, Surat.
- ☞ A Five-day program on “Engineering Design using Drafting and 3D-Modeling” during 9th to 13th Nov’2019 at SVNIT, Surat.
- ☞ GIAN program on “Material Behavior and characterization under dynamic loading” during 3-7th Sept, 2019 at MNNIT, Allahabad.
- ☞ A Five-day program on “Finite Element Method: A Universal tool for Engineering Analysis” from 2nd to 6th Jan’2017, at SVNIT, Surat.
- ☞ A Two-day Program on “Statistics for Experimenters” during 3rd & 4th March’2017, at SVNIT, Surat.
- ☞ Attended a two-day seminar on “Trends in Mechanical Engineering” on 22nd, and 23rd Feb 2016 at Vidya Jyothi Institute of Technology, Hyderabad
- ☞ Attended a One-day National workshop on “Composite materials” on 23rd August 2013 at Anurag Engineering College, Kodad.
- ☞ Carried a Certificate Course in Computer Aided Project management software “Primavera Project Planner” during May-June’2010, Vijayawada.

### ***Professional Memberships:***

- ☞ Member of Society of Automotive Engineers India (SAEINDIA; 2024-2025)
- ☞ Ratified as Assistant professor by JNTU, Hyderabad (2009, 2016 & 2022)
- ☞ Life Member of the Indian Society for Technical Education (MISTE-2010).
- ☞ Life Member of the International Association of Engineers (IAENG-2021).
- ☞ Life Member of Industrial Engineering and Operation Management (IEOM Society).