

Faculty Profile



Name: Dr. GRANDHI SURESH KUMAR

Designation: ASSOCIATE PROFESSOR

Teaching Areas: Manufacturing Processes, Non-Conventional Energy Sources, Thermal Engineering, Engineering Mechanics, Mechanics of Solids, Engineering Graphics, Workshop Practice.

Research Interests: COAL GASIFICATION, CO₂ Capture, Sustainable Energy, Artificial Neural Networks, Applications of AI in Thermal and Energy Systems.

Education:

- Diploma in AI and ML, University of Hyderabad, 2022
- Ph.D. (Mechanical Engineering), JNTU, Hyderabad, 2019
- M.E. (Production Engineering), Jadavpur University, 1991
- B.Tech. (Mechanical Engineering), Nagarjuna University, 1989

Research / Selected Publications:

Patents Published: 4 Journal publications: 7

Conference publications: 6

Book chapters: 1

H-index: 4

i10-index: 1

Citations: 30

1. Design and fabrication of android based hydraulic jack, Indian patent published in The Patent Office Journal No. 01/2020 Dated 03/01/2020.
2. The smart garbage management system, Indian patent published in The Patent Office Journal No. 07/2021 Dated 12/02/2021.
3. Design for solar panel cleaning system using SPA concept, Indian patent published in The Patent Office Journal No. 23/2020 Dated 05/06/2020.

International Patent Granted:

4. Smart School Bag for Assisting and Protecting the School Students by Tracking the Geographical Location, Innovation patent granted by IP Australia, September 2020.