

Arun C

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Education

Program	Institution/Board	%/CGPA	Year
<i>Ph.D</i> (Department of Metallurgical & Materials Engg.)	Indian Institute of Technology Madras Chennai, Tamil Nadu	Pursuing	2023-current
<i>M.Tech.</i> (Manufacturing & Materials Engg.)	Indian Institute of Technology Palakkad Kerala, India	8.86/10	2021-23
<i>B.Tech.</i> (Mechanical Engineering)	APJ Abdul Kalam Technological University Kerala, India	8.71/10	2016-20

Key Projects

- Numerical modeling of Additive Manufacturing processes of Aerospace alloys** Aug 2022 - May 2023
(M.Tech / Guide: Associate Prof. Kesavan D) IIT Palakkad
 - An **ICME**- Integrated Computational Materials Engineering Approach is used to determine the process structure relationship of Additively manufactured superalloy
- Modeling and Development of self-activated anti-flood gate** Aug 2019 - May 2020
(B.Tech / Guide: Dr. Sudheesh S) Rajadhani Institute of Science and Technology
 - Successfully modeled and developed a **self-regulating** Anti-flood gate

Industrial Training

- Steel & Industrial Forging Limited (Manufacturing)** July 2018
(B.Tech) SIFL, Athani
 - Attended 7 days of Industrial Training and understood the manufacturing and metallurgical aspects of processing and post-processing stages associated with the industrial forging of steels.
- Malabar cements Limited (Production)** June 2017
(B.Tech) Malabar cements Limited, Palakkad
 - Attended 5 days of Industrial training and understood the underlying Industrial framework from the extraction of raw materials by mining to the production of the end product.

Technical Skills

- Mechanical Testing: Tensile testing, Hardness testing
- Charecterization: optical Microscopy, SEM, EDS
- Software: Abaqus, OpenFOAM, LIGGGHTS, Thermocalc, MATLAB

Workshops

- Participated in the webinar, **Laser Assisted Additive manufacturing of Steels (LAMS)** conducted by IIT Kharagpur - PARC (9th to 16th Jan-2023).
- Participated in **Hands-on training course for working professionals on Additive manufacturing - Laser Powder Bed Fusion (LPBF)**, organized by IIT Palakkad in association with EOS India (July 2022).

Achievements/Awards

- Best Paper award** - The paper titled "Development of Adjustable cone flow meter and its analysis" won the best paper award in the national conference organized by NSS College of Engineering, Palakkad (9th Nov 2019)

Positions of Responsibility

- PG overall coordinator** - Actively participated in the successful organization of Industria Academia conclave 2022 (**IAC 4.0**) - IIT Palakkad. (13th Aug 2022).
- NSS Technical Cell Volunteer** - Actively participated in 'punargani', a project to revive and improve the infrastructure facilities in government hospitals (2017 - 2019).
- Flood rehabilitation volunteer** - Actively participated in the flood rehabilitation works organized by the government of Kerala (Aug 2018).