

SAHABUDEEN K

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Objective:

I wish to work with an organization, which gives more exposure and best standard. Where I can widen my knowledge base and work hard. I would like to be an asset to the organization for which I am working and improve my career by rendering effective contribution to the organization.

Academic Records:

Course	Institution	Year of Completion	Marks %/ CGPA
M.TECH. (Manufacturing)	B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.	2018	8.53
B.TECH. (Mechanical)	B. S. Abdur Rahman university, Chennai.	2016	7.20
HSC	Vidhyaavikas boys higher sec school, Tiruchengode.	2012	83.16%
SSLC	T.V.K matriculation School, Thuvankurichi.	2010	68.8%

Technical Skills:

- **Core software's** - ANSYS-APDL , NX CAD
- Great knowledge on Total Quality Management(TQM), Total Production Management(TPM), Just In Time(JIT), 5S Methodology, Six Sigma , Lean Manufacturing.

Field of Interest:

- Research and Development (R&D).
- Manufacturing Engineering.
- Powder metallurgy.

Project Work:

- **UG –Thermal analysis of parabolic trough with line concentrators.**

A parabolic trough is a type of solar thermal collector that is straight in one dimension and curved as a parabola in the other two, lined with a polished metal mirror. The energy of sunlight which enters the mirror parallel to its plane of symmetry is focused along the focal line, where objects are positioned that is intended to be heated.

- **PG -Synthesis and characterization of Al 7150 alloy prepared by mechanical milling method.**

The various ingredients of Al 7150 alloy were milled for a duration of 5h, 10 h and 20 h in a planetary ball mill at 300 RPM with a ball-to-powder ratio of 10:1. The blended powders were uniaxial hot pressed at 400°C with a compaction pressure of 500 MPa. The holding time was 1 h. The hot pressed samples developed from, as-received Al 7150 alloy powders and milled (5 h, 10 h and 20 h) Al 7150 alloy powders were characterized by measuring its hardness, relative density and electrochemical behavior. The as-received Al 7150 alloy compacts showed lower hardness than that of the 5 h, 10 h or 20 h milled Al 7150 alloy compacts.

Paper Presented At International Conferences:

- Presented a paper in the area of Advances in mechanical engineering (ICAME-2018) at the “**International Conference on synthesis and characterization of Al 7150 alloy prepared by mechanical milling method**” held at SRM university, Chennai, March 23, 2018.

Industrial Visits / Workshops Attended:

- Attended a workshop on “**Speech, PC and Internet controlled robotics**”, pragyan, held at NIT, Trichy, March 2014.
- Attended a National level workshop on “**Advanced composite materials**”, held at B.S.ABDUR RAHMAN CRESCENT INSTITUTE OF SCI AND TECH, Chennai, February 2018.
- Attended an Autoworkshop by “**SAE INDIA**”, held at B.S.ABDUR RAHMAN UNIVERSITY, Chennai, March 2014.
- Industry visit in “**India Piston PVT LTD**”, Chennai.
- Industry visit in “**united industries plastic private limited**”, Chennai.

Extra-Curricular Activities:

- Actively participated in Intra Department symposium “**MECHFEST**”, 2014.
- Actively participated in **Guinness World Record** for “**Reduce, Reuse, Recycle in Green initiative**”, Chennai, March 20, 2018.
- Runners-up position in the “**Intramural Cricket Competition**”, held at B.S.ABDUR RAHMAN CRESCENT INSTITUTE OF SCI AND TECH, Chennai, April, 2017.

Personal Traits:

- Leadership Skills.
- Ability to generate new ideas.

Personal Details:

Date of Birth	: 10 December 1993
Gender	: Male
Marital Status	: Single
Nationality	: Indian
Permanent Address	: No.57, Rice Mill Road, Thuvarankurichi, Trichy – 621314.
Languages Known	: English & Tamil.

Declaration:

I, **K Sahabudeen**, do hereby confirm that the information given above is true to the best of my knowledge.

Place:

Date:

Signature