

**NAME** : MAHESHWARAN P  
**ID NO** : 19Y217  
**DEGREE** : Bachelor of Engineering  
**BRANCH** : Metallurgical Engineering  
**COLLEGE** : PSG College of Technology, Coimbatore.



<b>Father's name</b>	Mr. Pitchiah M	<b>Address</b>
<b>Mother's name</b>	Mrs. Santha P	F-10 , TRCL Colony,
<b>Gender</b>	Male	PACRR Nagar,
<b>Date of Birth</b>	1 <sup>st</sup> JULY,2002	Sendurai (Thaluk),
<b>Languages known</b>	English, Tamil	Ariyalur district-621730
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#### ACADEMIC RECORDS

Course	Institution	Board	Percentage (%) / CPGA	Completion by
BE Metallurgical Engineering	PSG College of Technology	Anna University, Chennai	8.24*	2023
HSC	Vidya Mandir Matriculation Higher Secondary School, Alathiyur	Tamilnadu State Board	91%	2019
SSLC	Vidya Mandir Matriculation Higher Secondary School, Alathiyur	Tamilnadu State Board	98%	2017

(\*CGPA upto 8<sup>th</sup> semester)

#### AREAS OF INTEREST

- Iron and Steel Making
- Material characterization
- Non destructive testing.

#### SKILL SET

- C programming
- Thermo-calc
- Content writing(3 months experience till present)

## PROFESSIONAL EXPERIENCE

- **Lakshmi machine works limited (Sep 2023 - present)** - Foundry division  
Graduate engineer trainee - Outgoing QC - Final and NDT inspection: Responsible for quality of outgoing castings and attending customer complaints.
- Reduced dimensional rejections by X% through accurate defect mapping and feedback to production."
- Improved inspection accuracy, ensuring 100% compliance with client-specified tolerances.
- Enhanced reporting efficiency by streamlining defect documentation and analysis.

## TRAINING SKILLS

- Completed **Inplant training** for about 2 weeks at **SALEM STEEL PLANT(SAIL)** from 27 June 2022-09 July 2022
- Visited Deffree engineering(P) Ltd. at Coimbatore – 2019
- Visited Metcon TMT at Kochi -2022

## ONLINE COURSES

- Completed a **12 – week** course on “**SIX SIGMA**” on NPTEL platform from **Jan 2021 to Apr 2021**

## PROJECTS

- **Defect analysis in aeronautical grade RZ5 sand castings in Hindustan Aeronautical Limited(HAL) , Foundry and Forge division, Bangalore.(ONGOING)**  
Identify the root causes and provide recommendations to overcome the defects and increase the acceptance rate.
- **Flame Assisted Synthesis and Characterization of Titanium Dioxide (Tio<sub>2</sub>) Thin Films**  
Successfully synthesized and coated Titanium Dioxide(Tio<sub>2</sub>)Thin Films which were further characterized
- **Simulation of high entropy alloy FeNiMnGaSi for magneto caloric application**  
Successfully simulated the microstructures of the alloy at different temperatures.

## ACHIEVEMENTS

- Served as a **Deputy Secretary for Metallurgical Engineering Association(MTEA)**from 2020-2021.
- Won the **3<sup>rd</sup> prize** in a paper presentation event conducted by the “**Indian National Academy of Engineering (INAE)**” – **INAE Youth Conclave 2021** under the theme “**Engineering intervention to fight against COVID-19 and Healthcare management**”.
- Secured **3<sup>rd</sup> prize** in the event “**TECHPRENEUR** ” in **WOOTZ ed. 13** during 30<sup>th</sup>April-01<sup>st</sup> May 2022 at PSG College of Technology.

## CO-CURRICULAR ACTIVITIES

- Participated in the “**NDT**” workshop organized during Mettle 2019, the Annual Technical Symposium of the Department of Metallurgical and Materials Engineering, National Institute of Technology, Tiruchirappalli.
- Participated in the “**FINITE ELEMENT ANALYSIS**” workshop organized during Mettle 2019, the Annual Technical Symposium of the Department of Metallurgical and Materials Engineering, National Institute of Technology, Tiruchirappalli.
- Participated in the “**Fascinating Paradigm of Materials**” by Dr. Kantesh Balani, IIT Kanpur during WOOTZ ed.12 on 20<sup>th</sup> and 21<sup>st</sup> March 2021.
- Successfully completed **Student Excellence and Learning program(SELP)** at PSG College of Technology, Coimbatore from 27<sup>th</sup> July -2<sup>nd</sup> August 2019.

## EXTRA-CURRICULAR ACTIVITIES

- Served as an active Volunteer in “**National Service scheme (NSS)**” during the academic years 2019-2021.
- Served as a Co-Ordinator for the “**Wootz 12**” in PSG College of Technology.
- Organized a quiz event named “**METAL URGE**” in **Kriya 21** at PSG TECH.
- Organized “**PAPER PRESENTATION**” event in **Wootz 12** in PSG College of technology.
- Organized a guest lecture in 2021 for Metallurgical students.
- Part of the **PSG TECH CRICKET TEAM**.
- Participated in **State level Table Tennis** Tournament in 2019.
- Participated in **Divisional level Basketball** Tournament in 2019.

## DECLARATION

I MAHESHWARAN P, herewith solemnly declare that the information furnished above by myself is true to the best of my knowledge and my requisition can be dismissed in case of any discrepancies/false information.

Place: Coimbatore, Tamil Nadu

Date :

(MAHESHWARAN P )