



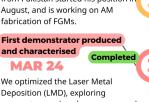
from India started his position in May

**Doctoral candidates** 

**MAY. AUG 23** In 2023 Jithinraj Edaklavan Koroth

enrolled

First demonstrator produced and characterised **MAR 24** We optimized the Laser Metal





Completed



PeP test rig completed

Electrolytes to suit the

718 and maraging steel.

First educational video

published on YouTube

FGM composition defined

We have switched our focus of

research away from cast iron. Plan of

experiments is in place to investigate

the electrolytes needed to polish the

FGM intermediate layer from Inconel

In progress



parameters such as laser power and powder flow rate. Primary focus was on enhancing microstructure and mechanical properties for FGMs. Pep was used for post-processing and



administrative competences.

publication on AM of FGMs

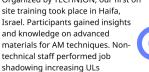
Discussing the use of plasma

electrolytic polishing (PeP) for the

First joint scientific

**MAR 24** 





Completed





https://www.youtube.com/watch?



Sa = 19.8 μm Sa = 6.4 μm Sa = 5.7 μm Sa = 2.6 μm

post-processing of metal 3D-printed products. The first joint article was published in a journal Virtual and Physical Prototyping (IF=10.6), with a title: A Comprehensive Overview of Plasma Electrolytic Polishing (PeP). doi.org/10.1080/17452759.2024.2364222

increasing the network, both at home and abroad.



www.youtube.com/@SEAMACProject-cl4ef www.instagram.com/seamac5/



SEAMAC Project - Educational video No.1

watch on YouTube Ice in Additive Manufacturing of Metals