



A DAILY NEWSLETTER

IGNITE - 2022



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AGNI PRIDE - STUDENTS ACHIEVEMENT in



Agni College of Technology, students team, Mr. Philip Gabriel J - IV Year ECE, Ms. Umamageshwari N -IV Year, ECE, Ms. Sneka T - IV Year, ECE Mr. Kirubanithi S - IV Year, EEE Mr. Tharnath B - IV Year, ECE has been shortlisted as one among the TOP 10 teams, in the **FLIPKART - GRID 3.0 Robotics Challenge** in the Elimination Round II. Flipkart GRID 3.0 - is a Flipkart Hiring Challenge for a full-time role and internship role with a package of 26.57 LPA and stipends from INR 50,000 onwards.

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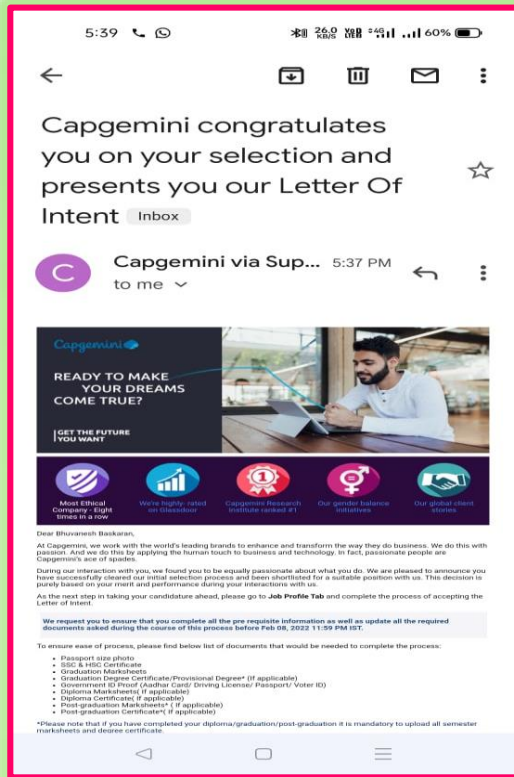


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FOOTSTEP PREMISES IN PLACEMENT 2022



Mr. Bhuvanesh Baskaran, final Year Student, Department of Biomedical Engineering got placed in Capgemini on 1.2.2022 with the CTC of 4 LPA

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ALUMNI INTERACTION



Mr. Saikumar, AP, Department of Civil Engineering interacted with the alumni, Mr. R. Murugan (2016 batch), who is working in Dharani Construction Company in Chennai. He agreed to give his real time project experience to the present final year students.

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RESEARCH ARTICLE PUBLICATION

Optimization on end milling operating parameters for super alloy of Inconel 617 by Taguchi's L27 orthogonal array

T Sathish^{1*}, K.Arul², Ram Subbiah³, M.Ravichandran⁴, V.Mohanavel⁵

¹Department of Mechanical Engineering, Saveetha School of Engineering, SIMATS, Chennai – 602 105, Tamil Nadu, India.

²Department of Mechanical Engineering, Agni College of Technology, Chennai - 603130, Tamilnadu, India.

³Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana 500090

⁴Department of Mechanical Engineering, K.Ramakrishnan College of Engineering, Trichy-621112, Tamilnadu, India.

⁵Centre for Materials Engineering and Regenerative Medicine, Bharath Institute of Higher Education and Research, Chennai - 600073, Tamilnadu, India.

*Corresponding author mail ID: sathish.sailer@gmail.com

Abstract: In recent days super alloys contributions were created more impact on the current industrial growth with various researches and developments. Among these super alloys in this experimental study considered on the subject of the by CNC milling machine used end milling operation parameters optimization on Inconel 617. The famous Taguchi method in the company of L27 orthogonal array is used here for the greatest results on the optimization consequences. There are the three considerations focused for the end milling operation such as rate of feed (FR), velocity of the cutting (CV) and depth of cutting (CD) with 27 combination of experiment testing. These considerations were optimizing based on the end product roughness on machined surface (ROMS) and rate of the material removal (RMR). These two responses associated parameters were separately and mutually optimized and corresponding consequences were evidently point out with a variety of plots and response diagrams. The greatest consequences of ROMS (0.208795 microns) and RMR (8.20895 mm3/sec) obtained at the testing number of 7 and testing number of 25 respectively.

Keywords: optimization, end milling, Inconel 617, roughness on machined surface, rate of the material removal.

1. Introduction

Now the world need updated version of alloys for the recent days requirements and various application based on the various places so the super alloys give their contribution to solve these criteria. Here most hard Inconel alloy 617 considered for the investigation. Anish Nair et al [1], give the full details about the chemical compositions and basic properties and application of the Inconel 617 super alloys. They also optimized the parameters of the machining by abrasive particles used water jet in the production process.[2] Lohithksha M Maiyaret al, focused on the end milling operation conditions with some factors and response mainly verities of roughness on surface such as mathematics mean roughness, RMS mean roughness and etc., They also provide the clear view on the parametric optimization on milling operation.



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Dr. Arul Kulandaivel, ASP, Department of Mechanical Engineering published a research article on **Optimization on End Milling Operating Parameters for Super Alloys of Inconel 617 by Tqguchi's Orthogonal Array** in IOP publications. In this article the effects of input parameters and output responses are shown. Analysis were done using various plots and response diagrams.

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FACULTY ACHIEVEMENT: PATENT FILED

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29/01/2022, 18:55 Intellectual Property India

 Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India
(<http://ipindia.nic.in/index.htm>)

 INTELLECTUAL PROPERTY INDIA
(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202241002512
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/01/2022
APPLICANT NAME	1. Dr. SHWARYA M.V 2. Dr. Deepthi R. 3. Ms G MANIMALA 4. Dr P KAVITHA 5. Dr. P. Neelaveni 6. Mr Vijayanarayanan 7. Dr M. SureshAnand 8. Ms S. HEMAVATHI 9. Dr. J Raja 10. Mr. K E Narayana
TITLE OF INVENTION	CARDIOVASCULAR DISEASE PREDICTION SYSTEM USING MACHINE LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE

Dr. RAJA M.V, AP, Department of CSE has filed the Patent with **Agni Affiliation**.

Patent title : **Cardiovascular Disease Prediction System Using Machine Learning.**

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ALUMNI INTERACTION



An Alumni Interaction session was conducted by Dr. Josh Kumar, Head, Department of Electronics and Communication Engineering with the “Alumni” Mr. A. Sivanarayanan (2006 to 2010) ECE batch, in presence of Mrs Maheshwari D, A.P, Department of ECE on 02.02.2022. Various insights on the current job market and its trends were shared during the session. Mr A Sivanarayanan is keen to share his knowledge during the Virtual Alumni meet which is about to be hosted on 08.02.22.

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INDUSTRY INSTITUTE INTERACTION MOU SIGNED



Agni College of Technology stately signed a MoU with **Data Patterns India Ltd** on 2nd February 2022 at 10.00 a.m. The agreement is for Center of Excellence. They have agreed for training the students, to undergo internships and to improvise soft skills for the students to assist them in placements. They even extended their hands to provide guest lectures in order to promote research and innovation spirit among the students.

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LAB MAINTANANCE



In the Department of Electrical and Electronics Engineering, Electrical Machines lab and Power Electronics laboratory Equipment's are being serviced by Mr. Umaldreegan (Service Engineer) from Smart Lab Technologies in the Presence of Lab Technician Mr. Balamurugan.

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ALUMNI INTERACTION



Mr. M. Subash, Assistant Professor, Dept. of EEE had an interaction with the Alumni Mr. K. Suresh and Mr. V. Karthick and insisted them to share the job opportunities to the juniors.

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STUDENT ACHIEVEMENTS- PLACEMENT DRIVE



Final year Students from the Department of Mechanical and Automation Aditya Narayanan, M.Ganesan & Jaikumar. M. got selected as GET in M/s. Rambal Private Limited, Sriperumbudur in a Face to Face interview process held on 1st February 2022 in their company premises.

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