### **6.3.2 Financial support**

Sl.No	Name of the Faculty	Title of the	Date	Amount
		financial support		
1.	Dr.M.Varghese	Conference	19.09.22	Rs.20,000
		Proceeding( APC)		
2.	Dr.Sudhkar Sengan	Conference	25.01.23	Rs.20,000
		Proceeding( APC)		
3.	Dr.Sudhkar Sengan	Conference	28.12.22	Rs.20,000
		Proceeding( APC)		
4.	Dr.Sudhkar Sengan	Conference	24.10.22	Rs.20,000
		Proceeding( APC)		
5.	Dr.G.Nalla Sivam	Conference	13.07.22	Rs.20,000
		Proceeding( APC)		
6.	Mr.C.Rajesh kumar	Conference	25.04.23	Rs.10,000
		Proceeding( APC)		
7.	Mrs.P.Kanagalakshmi	Conference	03.05.23	R.7000
		Proceeding( APC)		
8.	Dr.M.Varghese	Conference	02.02.23	Rs.20,000
		Proceeding( APC)		
9.	Dr.P.Selvakumar	Conference	03.11.22	Rs.56,179
		Proceeding( APC)		
10.	Dr.V.Manikandan	Conference	03.09.22	Rs.15,000
		Proceeding( APC)		

11.	Dr.K.Arunprasath	Conference Proceeding (APC)	04.03.23	Rs.15,600
12.	Dr.K.Arunprasath	Conference Proceeding( APC)	03.10.22	Rs.14,000
13.	Dr.K.Arunprasath	Workshop on IPR	05.01.23	Rs.5000
14.	Dr.K.Arunprasath	Sales Day	11.03.23	Rs.22,600
15.	Dr.K.Arunprasath	Workshop on Achieving Problem fit and solution fit	07.12.222	Rs.7000
16.	Dr.Jasmine Gnanmalar	Conference Proceeding( APC)	21.08.22	Rs.20,000
17.	Ms.A.Shinny Pradeepa	Conference Proceeding( APC)	02.05.23	Rs.15,000
18.	Dr.A.Bhuvanesh	Conference Proceeding( APC)	09.03.23	Rs.20,000
19.	Dr.A.Bhuvanesh	Conference Proceeding( APC)	08.02.23	Rs.10,000
20.	Dr.A.Bhuvanesh	Conference Proceeding( APC)	19.11.22	Rs. 10,000
21.	Dr.J.Leema rose	Conference Proceeding( APC)	02.01.23	Rs. 15,000
22.	Dr.Jasmine Gnanmalar	Conference Proceeding( APC)	30.11.22	Rs.10,000

23.	Dr.S.Rajeshkaran	Conference Proceeding( APC)	16.04.23	Rs.10,000
24.	Dr.S.Rajeshkaran	Conference Proceeding( APC)	15.10.22	Rs.10,000
25.	Dr.S.Rajeshkaran	Conference Proceeding( APC)	08.10.22	Rs.20,000
26.	Dr.Jasmine Gnanmalar	Conference Proceeding( APC)	30.09.22	Rs.20,000
27.	Dr.Jasmine Gnanmalar	Conference Proceeding( APC)	12.09.22	Rs.20,000
28.	Dr.Jasmine Gnanmalar	Conference Proceeding( APC)	05.08.22	Rs.20,000
29.	Mr.A.Santhanamahalingam	Conference Registration	02.10.23	Rs.3000
30.	Mrs.J. Yamuna Bee	Conference Registration	03.08.23	Rs.3000
31.	Mrs.P.Kanagalakshmi	Conference Registration	05.06.23	Rs.2500
32.	Mr.G.Sivakumar	Conference Registration	02.09.22	Rs.2200
33.	Dr.K.Ananthi	Conference Registration	02.10.23	Rs.3000
34.	Dr.K.Arunprasath	FDP Registration fee	18.11.22	Rs.2500
35.	Mr.D.Joseph pushparaj	FDP Registration fee	11.07.23	Rs.2200

36.	Mrs.S.Amuthavalli	Conference	27.04.23	Rs.2800
		Registration		
37.	Dr.K.Shakthi murugan	FDP Registration	23.06.23	Rs.2000
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38.	Mr.S. Jehovah	FDP Registration	23.06.23	Rs.2000
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39.	Dr.T.Rajesh	FDP Registration	23.06.23	Rs.2000
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41.	Mrs.G.Preemi	FDP Registration	23.06.23	Rs.2000
		fee		
42.	Dr.C.Mariyal	FDP Registration	23.06.23	Rs.2000
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43.	Ms.A.Shiny pradeepa	FDP Registration	02.02.23	Rs.2500
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44.	Mrs.A.Indhumathi	FDP Registration	01.09.22	Rs.2600
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45.	Mrs.H.Jeyalakshmi	FDP Registration	03.11.22	Rs.3000
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46.	Mr.S.Sureshkannan	FDP Registration	23.06.23	Rs.2000
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		workshop-		
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		workshop-		
		Registration fee		
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		workshop-		
		Registration fee		
51.	Dr.T.Rajesh	Workshop on	12.10.23	Rs.1806
		MATLAB and		
		SIMULINK		
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		MATLAB and		
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54.	Mr.S.Anand	Workshop on	12.10.23	Rs.1806
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		SIMULINK		
55.	Mr.P.Mathan	International	07.04.2023	Rs 1500
		conference-		
		Registration fee		
56.	Mr.S.Paramasivan	International	07.04.2023	Rs 1500
		conference-		
		Registration fee		
57.	Mr.S.Anand	International	07.04.2023	Rs 1500
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		Registration fee		



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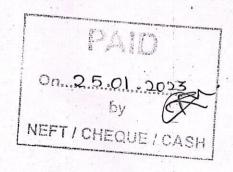
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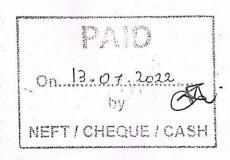
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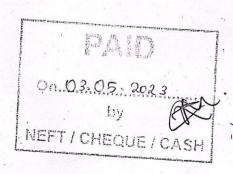
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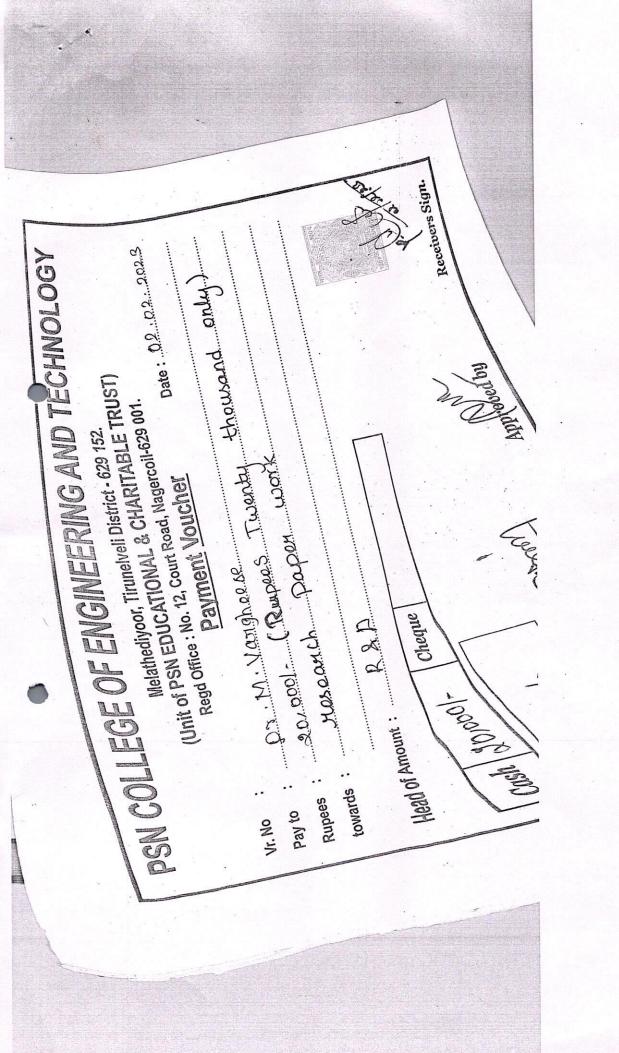
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Designation: Professor Email: rpselvakumore 1950 con Mobile No. 9466 30 589
Department: Mechanical Engineering
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Field Survey Data Collection Research Discussion Testing Consumables Publication
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9 August 2022

REVISED

17 October 2022
ACCEPTED FOR PUBLICATION

3 November 2022

PUBLISHED 16 November 2022

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## Thermal stability and behaviour of paraffin nano Al<sub>2</sub>O<sub>3</sub>, graphene and surfactant sodium oleate composite as phase change material

S Selva Prabhu , P Selvakumar and J S Heric

- Research Scholar, Mechanical Engineering, PSN College of Engineering and Technology, Tirunelveli, India
- <sup>2</sup> Professor, Mechanical Engineering, PSN College of Engineering and Technology, Tirunelveli, India
- \* Author to whom any correspondence should be addressed.

E-mail: rpselvakumar@gmail.com

Keywords: DSC, latent heat thermal storage, phase change materials, nanomaterials, thermal stability, thermal conductivity

### Abstract

Organic phase change materials like paraffin possess high latent heat yet incredibly low thermal conductivity. For improving the thermal conductivity, nanomaterials are introduced into the phase change materials. Thermal energy storage applications benefit from the use of phase transition materials with high thermal conductivity and latent heat of fusion. In this work to increase the dispersion of the alumina and graphene nanoparticles, a novel nanocomposite phase change material was produced by utilizing sodium oleate as a surfactant. The surfactant sodium oleate is prepared with oleic acid and methanol, The mixture is prepared using sodium oleate, Alumina Nanoparticle, and Graphene in the mass ratio of 1:3:0.5 is mixed with paraffin in the weight percentage of 7.5 and 10 and thermal stability study was carried out. Alumina nanoparticles were synthesized and prepared by using a microwave-assisted chemical precipitation approach which is more effective and graphene nanoparticles were prepared by using modified hummer's method. Thermocycling was used for up to 100 cycles to determine the melting point, latent heat, and long-term thermal stability of nanocomposites with phase change material. Differential Scanning Calorimetry (DSC) was used to evaluate the heat storage behaviour of the samples, and the heating rate of nanocomposites containing PCMs was investigated. The transient hot wire method was then utilised to assess the PCM's actual thermal conductivity. From the obtained results, nanocomposite with 7.5 wt% additives show maximum thermal stability and latent heat (161.09 KJ  ${
m Kg}^{-1}$ ) for 100 cycles with an increase in 42% effective thermal conductivity, Nanocomposite with 10 wt% shows 57% higher thermal conductivity. But shows lower thermal stability and very low latent heat (120.44 KJ  ${\rm Kg}^{-1}$ ). It is understood from the results that nanoparticle and surfactant addition gives a positive rise in latent heat.

### Nomenclature

PCM	phase change material
XRD	X-Ray Diffractometry
DSC	Differential Scanning Calorimeter
AC	Alternating Current
Wt	weight (kg)
Q	Heat Input (w m) <sup>-1</sup>
Κ .	Thermal Conductivity (w m <sup>-1</sup> °C)
L	Latent Heat (KJ Kg) <sup>-1</sup>
Tm	Melting Temperature
NCPCM	Nano Composite Phase Change Material
SSL	sodium stearoyl lactylate



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### APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES

Date: 03 09 2022 Name: Dr. W. Manikandan Designation: Professor Email: vaimanika dan @ yaho Waho Mobile No. 9790587440 Départment: Mechanical Engineering Title of the Research: Influence of Cryogenic behavior on coppose Actual Claim: Article professing fee Fund Required for Field Survey Data Collection Research Discussion Testing Consumables Publication **Expected Outcomes** Study the properting of copper electrode for non-convection. Signature of the applicant Recommended of HoD Approved by Principal Voucher No.: Date Debit Head

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Key Engineering Materials ISSN: 1662-9795, Vol. 935, pp 139-150 doi:10.4028/p-a8kj36 © 2022 Trans Tech Publications Ltd, Switzerland

Submitted: 2022-04-04 Revised: 2022-06-26 Accepted: 2022-09-03 Online: 2022-11-30

### Influence of Cryogenic Behaviour on Copper Electrode for Non-Conventional EDM

V. Manikandan<sup>1a\*</sup>, Y. Varuvel Antony <sup>2b</sup>, P. Mohemedsharifkhan<sup>3c</sup> P.Yuvannarasimman<sup>4d</sup>, and K. Senthilnathan<sup>5o</sup>

¹a\*Professor, Department of Mechanical Engineering, PSN College of Engineering and Technology, Tirunelveli, 627152, Tamilnadu, India.

<sup>2b</sup>PG Scholar, Department of Mechanical Engineering, PSN College of Engineering and Technology, Tirunelveli, 627152, Tamilnadu, India.

<sup>3e</sup>Assistant Professor, Department of Mechanical Engineering, PSN College of Engineering and Technology, Tirunelveli, 627152, Tamilnadu, India.

Assistant Professor, Department of Aeronautical Engineering, PSN College of Engineering and Technology, Tirunelveli, 627152, Tamilnadu, India.

<sup>5e</sup>Assistant Professor, Department of Mechanical Engineering, E.G.S. Pillay Engineering College, Nagapattinam, 611002, Tamil Nadu, India.

a\*vaimanikandan@yahoo.co.in, b20me22017@psncet.ac.in, cmohemedsharifkhan@gmail.com, dpynmech@gmail.com, senthilnathan@egspec.org

Keywords: Analysis of variance, TWR, EDM, Cryogenic

Abstract. In the last few decades, non-traditional machining has increased the efficiency of the machining process. One of the most prevalent non-traditional methods of milling is through the use of an EDM process. Traditional machining methods can't easily machine materials with a complicated profile or hardness that EDM can handle. The industrial sector makes extensive use of EDM. Cryogenically treated copper electrodes and regular copper electrodes were used to conduct an experiment on an EN24 material using varied input parameters, such as electrode rotation, gap voltage, and discharge current. Electric discharge machining was used in a study. The Taguchi method is used to design experiments. Three input parameters were employed in an orthogonal L16 array to find an optimal value for each of the three components. OC (overcut), TWR (Tool wear rate), and Ra (surface roughness) are the three output variables. The S/N ratio can be used to determine the best values and relative relevance of each of these factors using a statistical analysis of variance (ANOVA) table. Additionally, the overcut, tool wear rate, and surface roughness of traditional and non-traditional EDM are examined. For the deep cryogenic and non-traditional machining method, conventional and non-traditional electric discharge machining methods were found to have optimal or dominant factors for the TWR and Ra.

### 1. Introduction

For cutting extremely hard materials, electrical discharge machining (EDM) has become an increasingly popular method [1]. This machining procedure has seen a number of changes and upgrades throughout the years. EDM was first utilized for machining in the 1930s, but because of overheating, reduced MRR, and lesser quality of surface, it might not be broadly used. As a result, scientists have been working nonstop to find new ways to improve machining processes such as surface smoothness and material removal rate, among other improvements [2, 3]. The metal is reclaimed in the EDM process because of the sparks that fly between the tool and the work piece [4, 5]. All types of conductive metals, regardless of hardness, can be machined using EDM, which is now the most common method. It's also used in the automotive and aerospace industries, as well as agriculture [6]. An EDM machine's initial cost can be considerable, but its wastage and operating costs can be reduced with quality improvements by selecting the appropriate parameter levels [7, 8]. The EDM process is constantly analyzed to improve the quality of the machining output. The overcut,

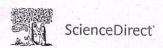


(Autonomous) Melathediyoor, Tirunelveli – 627 152

### APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES

			Date: 10 10 1	20
Name:	Dr. m.	vij ay kumar		
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Departi	ment: Mecho	nical Engineesi	~ <del>g</del>	,
Title of	f the Research:	yogenic formi	ng of AA bobs by	ECAD
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### Materials Today: Proceedings

Volume 66, Part 3, 2022, Pages 696-701

### Cryogenic forming of AA6065 by ECAP

K. Arunprasath a ⋈, ]. Sudhan b ⋈, S. Kavitha c ⋈, S. Paramasivan d ⋈, M. Vijayakumar c ⋈

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### Abstract

Due to the difficulty of deforming high-strength <u>aluminium alloys</u>, the use of traditional Spartan <u>plastic</u> <u>deformation</u> procedures, concept that supports the creation of extremely fine granular microstructures and higher <u>strength</u>. The use of cryogenic <u>Equal Channel Angular Pressing</u> (ECAP) deformation as an alternate method of deforming a 6065 alloy is investigated in this study. A tool with a 90° internal angle is utilised here. Cryogenic ECAP (followed by proper temperature treatments) outcomes in higher deformation, <u>strength</u>, and ductility, according to our findings. To demonstrate that cryogenic forming can enhance the characteristics such as high <u>aluminium alloys</u>, early outcomes on the effects of cryogenic <u>Equal Channel Angular Pressing</u> on micro - structure and <u>mechanical characteristics</u> changes in the 6065 alloy. Due to the alloy's increased strain-hardening capabilities, low deformation temperatures improve ductility and workability. It was possible to perform up to three Equal-Channel Angular Pressing passes without strain localization or cracking at 610°C using various cumulative plastic stresses.

### Introduction

Ultrafine-grained microstructures can be created using severe plastic deformation (SPD) processes. Grain refinement down to the sub-micrometer range can result in improved attributes like extremely high strength [1]. ECAP is the utmost promising methodology for achieving a excellent recipe of high strength and ductility (ECAP). According to recent investigations, this SPD approach enables for billet processing on a laboratory scale as well as a somewhat bigger industrial scale while maintaining microstructural homogeneity [2]. Grain refinement, the one hand, and definite exertion hardening, arranged the other, are both accountable for the ultrafine-grained materials' tensile strength [3], [4], [5]. Grain size lessening is associated with development of low-angle borders in areas with large dislocation concentrations, which are eventually transformed to high-angle smidgin boundaries. For many aluminium alloys and even aluminium matrix composites(AMCs), ECAP processing is often quite successful [6]. However, ECAP processing of high toughness, age hardening alloys like AA6065 presents certain challenges. (Fig. 1a) shows how ECAP of this

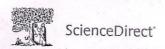


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### APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES

Date: 04 03 2083
Name: Dr. k. Arun prasath
Designation: Professor Email: arun parouth aportet. Mobile No. 956642988
Department: mechanical Engineering
Title of the Research: Study of Mechanical characteristicis
Actual Claim: Arthicle processing fee
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Signature of the applicant
Recommended of HoD Approved by Principal
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### Materials Today: Proceedings

Available online 4 March 2023

In Press, Corrected Proof ② What's this? ¬

## Study of mechanical characteristics and strengthening mechanism of AA5154 during cryogenic rolling

<u>K. Arunprasath</u><sup>a</sup> 久 函,<u>G. Murugan</u><sup>b</sup> 函,<u>P. Selvakumar</u><sup>c</sup> 函,<u>S. Thirumavalavan</u><sup>d</sup> 函,<u>S. Mareeswaran</u><sup>a</sup> 函, <u>V. Ramkumar</u><sup>e</sup> 函

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### **Abstract**

Cryogenic rolling (CR) and room-temperature rolling (RTR) process of AA5154 were studied for their effects on the strengthening mechanisms underlying the alloy's <u>mechanical properties</u>. The results indicate that following Cryogenic processing, the AA 5154 dislocation density increases while the particle size of the subgrains as well as second-phase particles greatly decreases. The AA 5154 benefits greatly from CR processing, as compared to RTR processing, in terms of yield strength, <u>ultimate tensile strength</u>, and elongation. This can be explained by the combined impacts of a higher quality <u>grain structure</u> and a strengthening of the material due to dislocations.

### Introduction

Aluminum containing Magnesium and Iron as the main alloying components have seen considerable use due to their high plasticity, resistance to corrosion, and malleability [1], [2]. As the automotive and aerospace sectors continue to expand, there is an immediate need for stronger components made from aluminum alloys [3]. It is generally accepted that metallic materials can benefit greatly from increased strength and ductility through the creation of a nanocrystalline structure [4].

Cryogenic rolling has gained popularity in recent years as a promising new technique for producing nanocrystalline or ultrafine-grained metallic materials in huge bulk quantities [5]. Many studies by author [6], [7], [8] have been conducted to learn more about the mechanical characteristics of metals while being subjected to cryogenic rolling. Nano-crystalline or ultrafine grains (<300nm) were identified in cryo-rolled high-purity copper by author [9], and the mechanical qualities of this material were outstanding in every way. When comparing RTR-treated copper to pure copper, the YS, UTS, and EL all increased by 23, 20, and 92

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### Melathediyoor, Tirunelveli- 627 152.

### **Department of Mechanical Engineering**

From

Date:

Place:

Dr. K. Am frances
Department of Mechanical Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition for Remuneration of Travel Expanses for Official Visit-Reg.
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So, Kindly give the approval at the earliest.
Thanking You

Yours faithfully

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Melathediyoor, Tirunelveli- 627 152.

### **Department of Mechanical Engineering**

From
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Department of Mechanical Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
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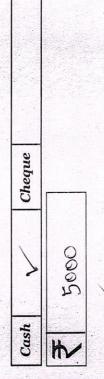
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# Melathediyoor, Tirunelveli- 627 152.

# **Department of Mechanical Engineering**

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Department of Mechanical Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
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## **Department of Mechanical Engineering**

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Department of Mechanical Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
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The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
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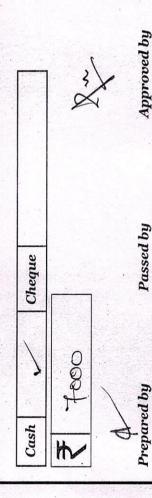
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### APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES

	Date: <u>21.08.2022</u>
Name: A. Jasmine 9	nana Malas.
Designation: ASP/ SES. Em	ail: Josmine @Ps Met. ac. i Mobile No. 99 & 7453410
Department: EEE	
Title of the Research: ReSeasc	h on edge detection Enimage Samentation
Actual Claim: 20,00	
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Prepared by

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(Autonomous) Melathediyoor, Tirunelyeli – 627 152

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### APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES

Name: Dx. A. Bhuvaresh Designation: ASP/FFE Email: bhuvaresha psacefac.io Mobile No. 9577256856 Department: EEE Title of the Research: Transmission Constrained Conquestion Expansion Planning Actual Claim: 20,000 Fund Required for Field Survey Data Collection Research Discussion Testing Consumables Publication **Expected Outcomes** is published in the Journal Signature of the applicant Approved by Pring Voucher No.: development Debit Head: nesoarch

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Approved by



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Melathediyoor, Tirunelveli – 627 152

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Date: 08 -02 - 2023

Title of the Research:_/	Application of Cognitive optimization Algorith
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### APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES

Date: 19-11-2022 Name: Dr. A. Bhuvaresh Designation: ASP/FEE Email: bhuvansh@psrcelacisMobile No. 9577256856 Department: FEF Title of the Research: Optimal Electricity Greneration Expansion Plan Actual Claim: 70,000 Fund Required for Field Survey Data Collection Research Discussion Testing Consumables Publication **Expected Outcomes** paper is published in the Journal Signature of the applicant Approved by Principal Voucher No.: FFF 2020 - 23 and doublopment Debit Head (Finance Officer)

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Date: 02-01-2023

Department: <u>FEF</u>	2 2 1
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APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES  Date: 30.11.2022.
Name: A. Jasmine gnana malas
Designation: ASP/EES Email: Jasmine & Pencetac Mobile No. 9987453410.
Department: EEE.
Title of the Research: E-v onboad Changing Via faggis Hawks of timiza
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Melathediyoor, Tirunelveli – 627 152

# APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES Date: 16 0 1

Name: Dr. g. Royalo karan 02.10 Mobile No. 95974228-18 Designation: Proof FF Email: Lange towar @ Rened Actual Claim: UO 1000 Fund Required for Field Survey Data Collection Research Discussion Testing Consumables Publication **Expected Outcomes** paper tobe published in the Journal Signature of the applicant Recommended of HoD Approved by Principal Voucher No.: EFF-1012-23 (RD 53 doud ap mont Debit Head: 9108 anch and (Finance Officer)

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Melathediyoor, Tirunelveli – 627 152

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### PSN COLLEGE OF ENGINEERING AND TECHNOLOGY Melathediyoor, Tirunelveli District - 629 152. (Unit of PSN EDUCATIONAL & CHARITABLE TRUST) Regd Office: No. 12, Court Road, Nagercoil-629 001. : EEE 8022-23/RD 22 Payment Voucher Date: 08 10 22 Vr. No Mr. S. Rajasekaran Pay to wonty thousand Ruppes onl Rupees : towards : Head of Amount: Research and Dove Lopmen ? Cheque Cash 20,000

Approved by



# $\frac{\textbf{PSN COLLEGE OF ENGINEERING AND}}{\textbf{TECHNOLOGY}}$

(Autonomous)
Melathediyoor, Tirunelveli – 627 152

APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES

Date: 30.9.2022.
Name: A. Josnine grana malal.
Designation: Asp/505 Email: Jarmine @Psned-ac! Mobile No. 9987453410
Department: EEC.
Title of the Research: New Hyblid Coklandman Ligh gain Do - Do Converted
Actual Claim: 20,000
Fund Required for
Field Survey Data Collection Research Discussion Testing Consumables Publication
Expected Outcomes
This PapassePublished in the Josanal.
Signature of the applicant  Recommended of HoD  Approved by Principal
Voucher No.: FEF 8080-83   RD19
Date: 30/9/27 Debit Head: Rodowich and development
(Cashier) (Finance Officer)

# PSN COLLEGE OF ENGINEERING AND TECHNOLOGY Melathediyoor, Tirunelveli District - 629 152. (Unit of PSN EDUCATIONAL & CHARITABLE TRUST) Regd Office: No. 12, Court Road, Nagercoil-629 001. Vr. No: EFE 2020-23 RD19 Payment Voucher Pay to: Ms. A. Jasmine grana Malax Rupees: Twenty Housand Rupes 10019 towards: Research Altivities Head of Amount: Research and development Cash Cheque

Approved by



(Autonomous) Melathediyoor, Tirunelveli – 627 152

APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES Jasmine grana malas Designation: AP SSS Email: Jasmine@ Ancel ac.in Mobile No. 9987453410. Department: \[ \sum\_{\infty} \sum\_{\infty} \sum\_{\infty} \tag{\infty} Title of the Research: Elitist trassis tranks oftimized Voltage Stability Actual Claim: \_\_\_\_\_\_ Fund Required for Field Survey Data Collection Research Discussion Testing Consumables Publication **Expected Outcomes** Published in the Jasnal. Signature of the applicant Regenamended of HoD Approved by Principal Voucher No .: FFF2072-23/RD16 12/9/22 and development Debit Head : Rosoave h (Finance Officer)

### PSN COLLEGE OF ENGINEERING AND TECHNOLOGY Melathediyoor, Tirunelveli District - 629 152. (Unit of PSN EDUCATIONAL & CHARITABLE TRUST) Regd Office: No. 12, Court Road, Nagercoil-629 001. : EB-2022-23 / RIO16 Payment Voucher Date: 12/9/22 Vr. No ms. A. Jasmeno gnana Malar wenty thousand Rupoes only Pay to Rupees Rosparch activities towards : Head of Amount: Rosparch and develop ment Cheque Cash 20,000 Receivers Sign. Approved by



(Autonomous) Melathediyoor, Tirunelveli – 627 152

### APPLICATION FORM FOR FUNDING OF RESEARCH ACTIVITIES

Date: <u>05・08・22.</u>
Name: A. Jasmine Grana Malas
Designation: ASP/SSS Email: Talmine @ Breetaci Mobile No. 9987453410
Department: <u>EEE</u> .
Title of the Research: Data Congestion Contal Frame work
Actual Claim: 20,000
Fund Required for
Field Survey Data Collection Research Discussion Testing Consumables Publication
Expected Outcomes
The Paper is Published in the Journal.
Recommended of HoD  Signature of the applicant Approved by Principal
Voucher No.: EFF2020-23 (RD10  Date : 5/8/22  Debit Head : Rosopich and doublogment  Cashier (Finance Officer)

### **PSN COLLEGE OF ENGINEERING AND TECHNOLOGY** Melathediyoor, Tirunelveli District - 629 152. (Unit of PSN EDUCATIONAL & CHARITABLE TRUST) Regd Office: No. 12, Court Road, Nagercoil-629 001. : EEE 2020-28/ RDIO Payment Voucher Date: 5/ 8/22 Vr. No : Ms A Jasmine brana Malar Pay to Twenty thousand Rupees only Rupees: Research Activities towards: Head of Amount: Research and development Cash Cheque 20,000

Approved by

Receivers Sign.

Prepared by

# **PSN College of Engineering and Technology (Autonomous)**

(Accredited by NAAC)

Melathediyoor, Tirunelveli- 627 152.

A. Santhana mahalingam	
Department of Markematics	
PSN College of Engineering and Technology	
Tirunelveli- 627 152.	
То .	
The Principal	20
PSN College of Engineering and Technology	
Tirunelveli- 627 152.	
Respected Sir	
Subject: Requisition of Registration expense to attend FDP/V	
I am writing this letter to request remuneration for	tron for
International Conference" modern mathid need your support	
So, Kindly give the approval at the earliest.	
Thanking You	

Date: b2.10-23

Place: Timmeluel;

Melathediyoor, Tirunelveli District - 629 152

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Regd Office: No. 12, Court Road, Nagercoil-629 001.

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Cash

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Approved by

Receivers Sign.

Stamp

# **PSN College of Engineering and Technology (Autonomous)**

(Accredited by NAAC)

# Melathediyoor, Tirunelveli- 627 152.

J. Yammuna Bea
Department of Computer Science and Fryincerity
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Legistudion fee for FDP
you to sanction Rs
So, Kindly give the approval at the earliest.
Thanking You
, 0 .

Yours faithfully

Date: 03/08/202 3

Place: Timpelaeli

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Regd Office: No. 12, Court Road, Nagercoil-629 001.

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Receivers Sign.

Approved by

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Prepared by

# **PSN College of Engineering and Technology (Autonomous)**

(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From				
P. Kanag	alakshni			
Department of	Computer	science	and	fyines ring
PSN College of E	Engineering and	Technology		
Tirunelveli- 627	152.			

To

The Principal **PSN College of Engineering and Technology** 

Tirunelveli-627 152.

Respected Sir

Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg. I am writing this letter to request remuneration for Registration fee for FDP you to sanction Rs Two thousand and five header for the same. So, Kindly give the approval at the earliest.

Thanking You

Yours faithfully

Date: 25/06/2023 Place: Timelvali

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST) Regd Office: No. 12, Court Road, Nagercoil-629 001.

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(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From
G. Sira Kumar
Department of Computer Science and Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Registration fee for FDP
.o. A. Data Sciese I need your support to meet out my expanses. I request
you to sanction Rs Two thousand and two hund and for the same.
So, Kindly give the approval at the earliest.
Thanking You

Yours faithfully

Date: 02/09/ 2022

Place: Timpel veli

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

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(Accredited by NAAC)

Melathediyoor, Tirunelveli- 627 152.

From	n
	Dr. K. Ananthi
	Department of Maths
P	PSN College of Engineering and Technology
	Tirunelveli- 627 152.
То	
1	The Principal
F	PSN College of Engineering and Technology
7	Tirunelveli- 627 152.
Resp	ected Sir
	Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am v	writing this letter to request remuneration for Registration for for Traces of the
Con	Aernce — Modern Mottal I need your support to meet out my expanses. I request
	o sanction Rs for the same.
So, Ki	indly give the approval at the earliest.
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	X. A.Yours faithfully

Date: 2/10/2023

Place: Tirunelvali

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Date: 2.10.23		wind linguish	on" modern making for Engineery and Referred	<b>.</b>		Stamp	オナ	Receivers Sign.
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Melathediyoor, Tirunelveli- 627 152.

Do. K. Arun poz Sath,
Do. 16. Arun por Sath,  Department of Mechanical Enfineering,
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Registration for
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For and Additive ranfelimed your support to meet out my expanses. I request you to sanction Rs. The Hondard Rubindord for the same.
So, Kindly give the approval at the earliest.
Thanking You

Date: 18.11.22

From

Place: Timmdvel,

Yours faithfully

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

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### Melathediyoor, Tirunelveli- 627 152.

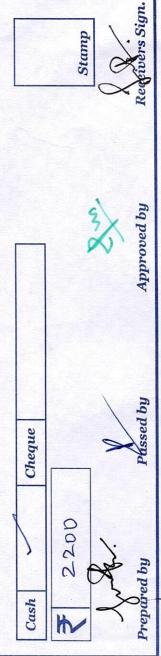
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D. Joseph phshparas,
D. Joseph phshparas, Department of Computer Science Engreening
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Registration fact to affect
Faculty Development Pools and need your support to meet out my expanses. I request
You to sanction Rs Tro Thousand Two hundred for the same.
So, Kindly give the approval at the earliest.
Thanking You
July .

Date: 11.D7,23
Place: Timodud,

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

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### Melathediyoor, Tirunelveli- 627 152.

S. AMUTHAVALLI,
Department of Computer Science Engineering,
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Refs 3702 hon tapense to
you to sanction Rs Tho Thousand to fire handred for the same.
So, Kindly give the approval at the earliest.
Thanking You

Date: 27.04.23
Place: Timndudi

From

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Vr. No	••	Payment Voucher	Date: - 1 14 - 3
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(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From
Dork. Jakothi Murugan
Department of Fleethorics & Communication Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Personal for fee for for
in Jailah I need your support to meet out my expanses. I request you to sanction Rs for the same.
So, Kindly give the approval at the earliest.
Thanking You

Date: 23/06/2023

Place: Timmoludi

Melathediyoor, Tirunelveli District - 629 152.

### (Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Vr. No :		Payme	Payment Voucher Da	Date: 23 (06/23
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(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From
S. Jehovah Jirch Asputhamari
Department of Electronics y Communication Figurery
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Perisherian fee for FDP in
I need your support to meet out my expanses. I request
you to sanction Rs Two Thereand for the same.
So, Kindly give the approval at the earliest.
Thanking You
1 Tex

Yours faithfully

Date: 28/06/2023

Place: Jimeluli

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

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(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From
Dr.T. Raylesh
Department of Fleehonics & Communication Eyineesing
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Registration. Ace for FDP in
Salah I need your support to meet out my expanses. I request
you to sanction Rs Thousand for the same.
So, Kindly give the approval at the earliest.
Thanking You
Yours faithfully

Date: 23/06/2023 Place: Tmmlm);

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Regd Office: No. 12, Court Road, Nagercoil-629 001.

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Approved by Passed by 200 M Cheque Prepared by Cash

Receivers Sign.

Stamp

(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From
A. Anterovi
Department of Electronics and Communication Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Regentration fee for FDP in
Sci-lab I need your support to meet out my expanses. I request
you to sanction Rs Two thousand for the same.
So, Kindly give the approval at the earliest.
Thanking You
Arty
Yours faithfully

Date: 23/06/2023
Place: 7 mmduli

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Ms. A. Anbuloni	
 Two Thimas Brew only	entra
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Colt Lab	



(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From
G. Preeni
Department of Fleetronies and Communication Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Rogischel fon fee for FDP
In Sci - lab I need your support to meet out my expanses. I request
you to sanction Rs Two Thousand for the same.
So, Kindly give the approval at the earliest.
Thanking You
Gilly.
Yours faithfully
1. 10023

Date: 23/06/202

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST) Regd Office: No. 12, Court Road, Nagercoil-629 001. Melathediyoor, Tirunelveli District - 629 152.

Date: \$3/06/22 Mrs. 6. Preem. Two Thoward Ropes only Resistantin Fee Fee attandy Payment Voucher fbp - Silab Head of Amount: towards: Rupees Pay to Vr. No

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Approved by

Passed by

Prepared by

Stamp

Receivers Sign.

(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From	
In C. Mariyal	iry
Department of Electronics and Communication	
PSN College of Engineering and Technology	
Tirunelveli- 627 152.	
То	
The Principal	
PSN College of Engineering and Technology	× -
Tirunelveli- 627 152.	
Respected Sir	
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Subject: Requisition of Registration expense to ditension for fee for I am writing this letter to request remuneration for fee for	FDPin
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So, Kindly give the approval at the earliest.	
Thanking You	
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Date: 23/06/Do23
Place: Trombul;

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST) Melathediyoor, Tirunelveli District - 629 152.

Regd Office: No. 12, Court Road, Nagercoil-629 001.

Vr. No	Payment Voucher	Date: 93/06/2
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Head of Amount:

Approved by

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Stamp

Receivers Sign.

(Accredited by NAAC)

Melathediyoor, Tirunelveli- 627 152.

Department of Elicipical and Electronics Ensmeaning
Department of Elicifical and Electronics Endmering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Registed time fee for For
you to sanction Rs. Two Three Sand Frehmans. for the same.
So, Kindly give the approval at the earliest.
Thanking You
A Selection of the sele

Date: 02.02.23
Place: Timolul;

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Vr No	Payment Voucher Date:	Date: 00   08   2-3
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(Accredited by NAAC)

Melathediyoor, Tirunelveli- 627 152.

From A. Indumathi
Department of Electrical and Electronies Endoneury
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Regulation for For
you to sanction Rs. The Then Sand Size hundred for the same.
So, Kindly give the approval at the earliest.
Thanking You
$\mathcal{H}_{\mathcal{L}}$
Yours faithfully
Date: 1/alan

Place: Timmulni)

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST) Regd Office: No. 12, Court Road, Nagercoil-629 001.

En mymyly Deulym Two Thousand and six Hundund aurus +67 on Date: Payment Voucher Mrs. A. Indumatii In novalue and Kiglimtur tec tec towards : Rupees Pay to Vr. No

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Receivers Sign.

Prepared by

Approved by

(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From
H. JEVALAKSHMI,
Department of Computer Sailale Engineering
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Registration for For
For the same.
you to sanction Rs. Thru Thru Sand for the same.
So, Kindly give the approval at the earliest.
Thanking You

Yours faithfully

Date: 03.11, 22Place: Timordul,

Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Regd Office: No. 12, Court Road, Nagercoil-629 001.

Date: 03-11-22			who in	TIS Vrovedin	
Fayment voucher	Mrs. H. JeyalakshmI	Rupees: THERE THEY SAM'S ONLY	Resistant for For Particip	Thomstond Try office	
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Vr. No	Pay to	Rupees	towards		

Head of Amount:

Receivers Sign. Stamp Approved by Pdssed by Cheque 3000 Prepared by Cash

(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From	
Department of Electronia and Communication	
Department of Electronical and Communication	
PSN College of Engineering and Technology	
Tirunelveli- 627 152.	
То	
The Principal	
PSN College of Engineering and Technology	1
Tirunelveli- 627 152.	
Respected Sir	
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference	e -Reg.
I am writing this letter to request remuneration for Registoshim for A	x FDD
in Salan I need your support to meet out my exp	anses. I request
you to sanction Rs Tho Thousand for	
So, Kindly give the approval at the earliest.	
Thanking You	
	Que -
	Yours faithfully
Date: 23.06.23	

Place: Timmlwi,

Melathediyoor, Tirunelveli District - 629 152.

### (Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Regd Office: No. 12, Court Road, Nagercoil-629 001.

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(Accredited by NAAC)

### Melathediyoor, Tirunelveli- 627 152.

From
ENTHA
Department of Computer Scince Extracord
PSN College of Engineering and Technology
Tirunelveli- 627 152.
То
The Principal
PSN College of Engineering and Technology
Tirunelveli- 627 152.
Respected Sir
Subject: Requisition of Registration expense to attend FDP/Workshop/Conference -Reg.
I am writing this letter to request remuneration for Ragiston for for
you to sanction Rs Tro thousand for the same.
So, Kindly give the approval at the earliest.
Thanking You
Roy.
Yours faithfully
Date: 27.06.23
Place: Translul,

Melathediyoor, Tirunelveli District - 629 152.

### (Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

Date: 21.06.23		nd n	رق میں	of PyTHEON"			Stamp	-	Receivers Sign.
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Melathediyoor, Tirunelveli District - 629 152.

### (Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

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Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

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Melathediyoor, Tirunelveli District - 629 152.

### (Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

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Melathediyoor, Tirunelveli District - 629 152.

(Unit of PSN EDUCATIONAL & CHARITABLE TRUST)

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### PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)





ACCRDITED BY NAAC A+ GRADE AND RECOGNISED BY UGC UNDER SECTION 2(f) AND 12(b)
AN ISO 9001:2015 CERTIFIED INSTITUTION

Website: www.psncet.ac.in

Phone: 04634-279009,04634-279680

E-mail: principal@psncet.ac.in

Date: 12-09-2023

From

S.Ananth,

Assistant Professor / MAE,

PSNCET.

To

The Executive Director,

PSNCET.

Through

The Principal, PSNCET

Respected Sir,

This is for your kind information that PSG iTech will be going to conduct three-day hands-on training on "MATLAB & SIMULINK for ENGINEERS" from October 12, 2023, to October 14, 2023. The four-faculty members from our Institution are going to attend this workshop. The faculty details are given below. I am writing this letter to request sponsorship from our Institution for the registration fee amount of Rs. 1806/- per person totalled to Rs. 7224/- for four members to attend this training. So, we humbly request your generous support and sponsorship to cover my registration fees for this event. Thank you considering my request.

Faculty Members:

S. No	Name of the Members	Designation
1.	Dr. T. Rajesh	HoD/ECE
2.	Dr. K. Sakthimurugan	AP/ECE
3.	Mr. S. Ananth	AP/MAE & PT Research Seh.
4.	Mrs. R. Mathumitha	Full time Research Scholar

Thank you,

Yours truly,

M.ANANTH)

(Dr. T. RAJESH)

La Cours Marses

IS. RAJESH.

### ransfer Details IN Reference No. (UTR No/RRN) 325511939219 U Date & Time 12-Sep-2023 - 12:00 PM Transfer Amount ₹7,224.00 Beneficiary Name **PSG CNCE** Bank Name CENTRAL BANK OF INDIA Account Number 1481267367 **IFSC** CBIN0280913 Remarks aj Matlab 4 faculty PSNCET



### PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH

**DEPARTMENTS OF MECHANICAL AND EEE** 

3-044 Hands-on Training on

### MATLAB & SIMULINK FOR ENGINEERS

An Interdisciplinary Approach october - 12, 13 & 14, 2023

### REGISTER HERE

Scan the QR Code or just click the link below



https://forms.gle/VLpz1B1zBL4hf3kM6 Last Date for registration: October 4, 2023

www.psgitech.ac.in

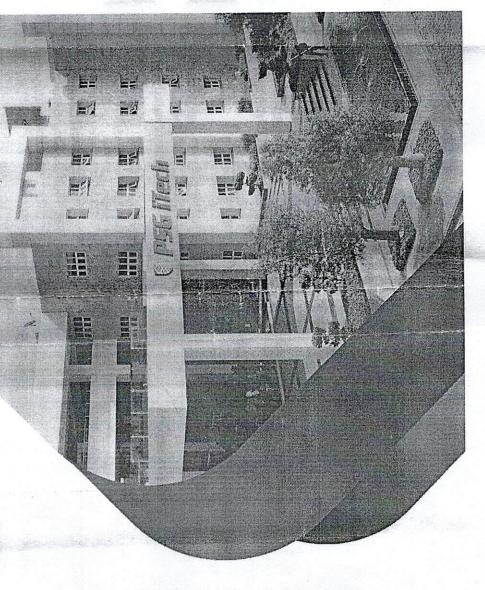
### CONTACT US!

TRAINING COORDINATORS
Senthilvel M

94879 80544
S Ravikrishna

98422 46063

Registration Fee Student - Rs 1000 + 18 % GST Faculty - Rs 1700 + 18 % GST Industry- Rs 2700+ 18 % GST















### International Conference on Digital Transformation in Manufacturing (ICDTM 2023)

"Manufacturing Powered Through Digitalization"

April 07-09, 2023
School of Mechanical Engineering, SASTRA Deemed to be University

<u>Certificate</u>

This is to certify that Mr / Ms / DrS.Ananth
has participated in the "International Conference on Digital Transformation in Manufacturing" held at School of
Mechanical Engineering, SASTRA Deemed to be University, Thanjavur, India. He / She presented the paper entitled, "Biocomposites of Sisal / Palymra fibre with Tamarind Seed Gum Epoxy Composite: Preparation,
Properties and Applications ,  Authors: V.Ramkumar, S.Ananth
Sheranny

Prof. S. Pugazhenthi

Prof. R. Venkatraman

Convener Dean, SoME

Prof. S. Raghuraman

Convener













### International Conference on Digital Transformation in Manufacturing (ICDTM 2023)

"Manufacturing Powered Through Digitalization"

April 07-09, 2023
School of Mechanical Engineering, SASTRA Deemed to be University

<u>Certificate</u>

This is to certify that Mr / Ms / D	rP.Mathan	
has participated in the "Internati	ional Conference on Digital Transformation ir	Manufacturing" held at School of
Mechanical Engineering, SASTR	A Deemed to be University, Thanjavur, Indi	a. He / She presented the paper
entitled,"Thermal Performance	ce of Parabolic Trough Collector Using High-T	emperature Heat Transfer Fluids
Authors:P.Mathan, P.Selvaku	ımar, N.Vijay Ponraj	
	- Maria Maria Maria Maria Ma	
T.W.	J. Pugasty	Sulgsrowing
very no es 200 o	' ' ' '	

Prof. R. Venkatraman Convener

Prof. S. Pugazhenthi Dean, SoME Prof. S. Raghuraman

Convener













### International Conference on Digital Transformation in Manufacturing (ICDTM 2023)

"Manufacturing Powered Through Digitalization"

April 07-09, 2023 School of Mechanical Engineering, SASTRA Deemed to be University

Certificate

This is to certify that Mr / Ms / Dr	S.Paramasivan	
has participated in the "Internation	al Conference on Digital Transformation	in Manufacturing" held at School of
	Deemed to be University, Thanjavur, Ind drophobic textures by using nanosecond p	
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Authors: K.Sudhakar, S.Paramas	ivan, P.Selvakumar, N.Vijay Ponraj	
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Convener

Dean, SoME

Convener