

IGNITE 2022



A DAILY NEWSLETTER

Editor in chief

Dr. Srinivasan Alavandar
Principal, ACT

Editors

Ms. Mary Surya Kala, ASP - S&H
Ms. P. Nivedha, AP - S&H

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution.Estd.2001.



Website: www.act.edu.in

OMR, Thalambur, Chennai - 600 130. **Phone:** 044 6740 9444/45 **Mobile:** 8122124081,9445024081, **Email:** admission@act.edu.in



STUDENTS MEET



Dr. Srinivasa Alavandar, Principal and Dr. S. Chandravadhana, Head, Placement Division addressed the III year students of all the department regarding the importance of the **Training Session** for the Academic Year 2022-23.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution. Estd. 2001.



Website: www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: 044 6740 9444/45 Mobile: 8122124081, 9445024081, Email: admission@act.edu.in



STUDENT ACHUEVEMENT

CONDITIONAL ACCEPTANCE LETTER¹
LIST DO F. WARSZAWA ACCEPTACJA

This letter concerns admission of:
Wniosek (dot. dozwolony przyjęcia):

Application ID:	18699
Mr/Ms:	THARUN VOHANANTH CHANDRA
Citizen of:	India

to full-time studies at Warsaw University of Technology:
na studia stopniowe w Państwowym Uniwersytecie:

Faculty of:	Mechatronics
Field of Study:	Mechatronics (spec. Mechatronic Devices and Systems)
Year of Studies:	1 st
Level of Studies:	MSC
No. of Semesters:	3
Price per 1 sem.:	2100 EUR
Starting Date:	1 October 2022

The candidate presented documents proving appropriate qualifications to start full-time studies at Warsaw University of Technology after fulfilling formal requirements.
Wniosek wyrażający kandydaturę/umysłowość - załączony(-) do dokumenty potwierdzające posłowne i odpowiednie kwalifikacje wnoszącej/wnoszących na studia stopniowe na Politechnikę Warszawską są po spełnieniu formalnych wymagań.

Prof. dr hab. inż. Andrzej Kozłowski
Wicedyrektor Wydziału Mechatroniki

For the Rector/2 upoważnienie Rektora
Signing Date/Data podpisania: 29 July 2022





pl. Politechniki 1
00-640 Warsaw
Poland
pwn@pwt.pl

Tharun Vohanath Chandra (2017-2021 Batch), Department of Mechatronics has been selected for the Higher Education Programme in **Special Mechatronics Devices and systems** at **Warsaw University of Technology, Poland.**

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution. Estd. 2001.

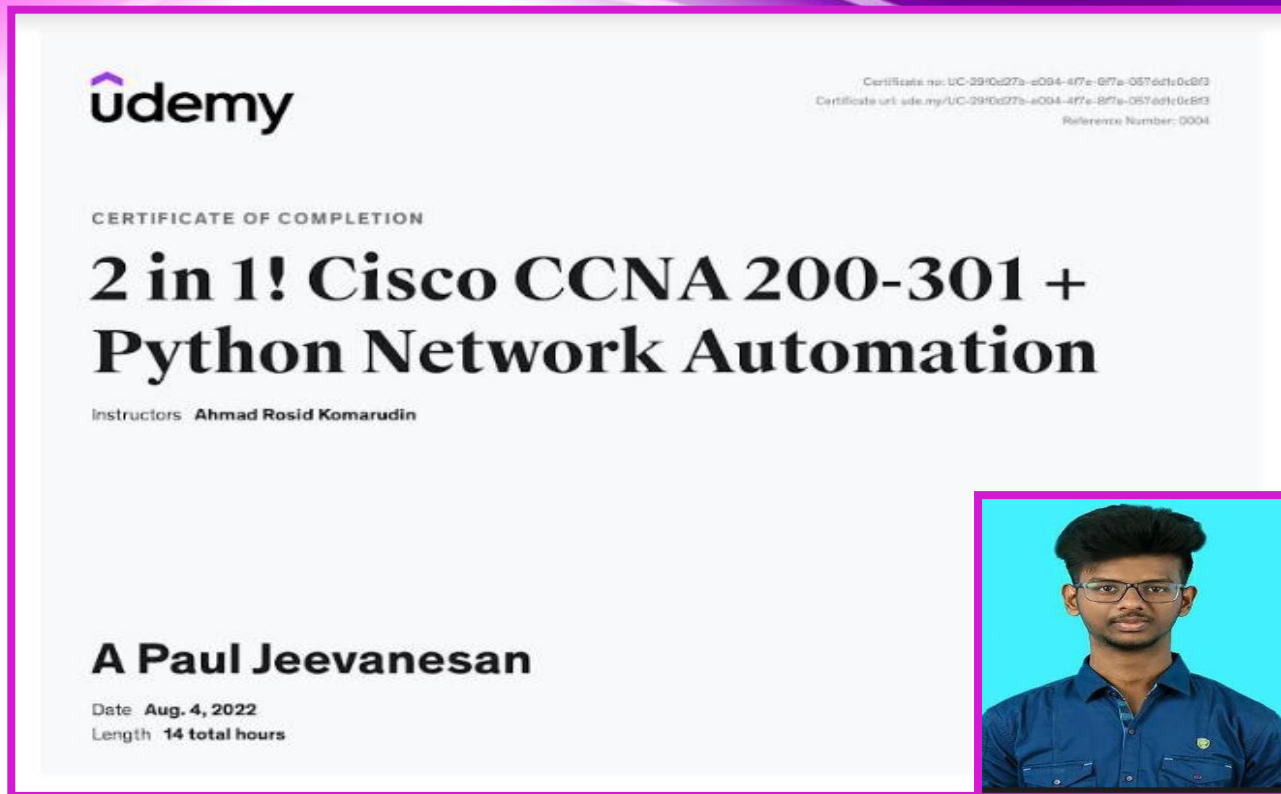


Website: www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: 044 6740 9444/45 Mobile: 8122124081, 9445024081, Email: admission@act.edu.in



STUDENT REPOSITORY



The image shows a Udemy certificate of completion for a course titled "2 in 1! Cisco CCNA 200-301 + Python Network Automation". The instructor is Ahmad Rosid Komarudin. The student, A Paul Jeevanesan, completed the course on August 4, 2022, after 14 total hours. A portrait of the student is shown on the right. The certificate includes the Udemy logo, the course title in large bold letters, the instructor's name, the date, and the total hours. It also features a unique certificate URL and reference number.

udemy

Certificate no: UC-2910d27b-e094-4f7e-8f7e-057ed1e0c8f3
Certificate url: ude.my/UC-2910d27b-e094-4f7e-8f7e-057ed1e0c8f3
Reference Number: 0004

CERTIFICATE OF COMPLETION

2 in 1! Cisco CCNA 200-301 + Python Network Automation

Instructors: Ahmad Rosid Komarudin

A Paul Jeevanesan

Date: Aug. 4, 2022
Length: 14 total hours

A. Paul Jeevanesan, III year student, Department of MAE has completed the online course on **2 in 1! Cisco CCNA 200-301+ Python Network Administration** through **Udemy** on 4th August 2022.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution. Estd. 2001.

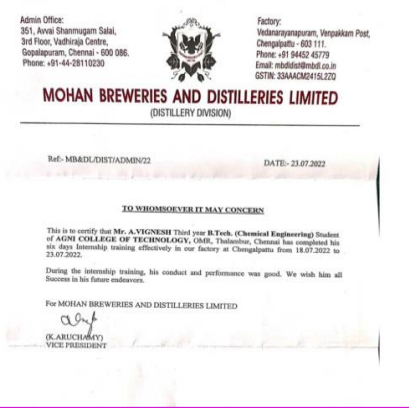
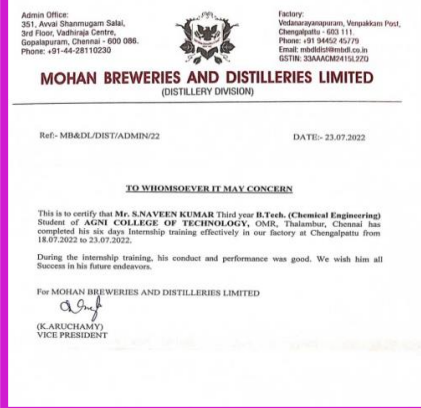
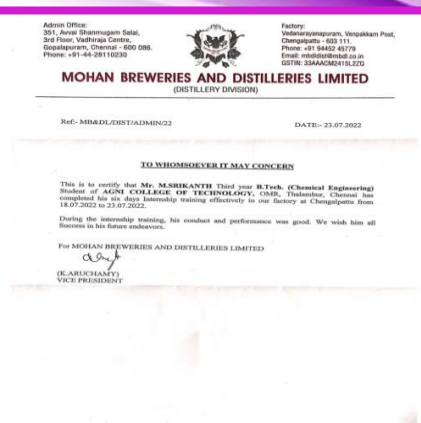
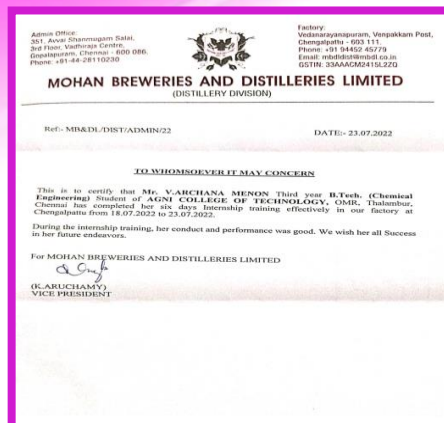


Website: www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: 044 6740 9444/45 Mobile: 8122124081, 9445024081, Email: admission@act.edu.in



INTERNSHIP



Archana Menon. V, Srikanth. M, Naveen Kumar. S and Vignesh. A, IV year students, Department of Chemical Engineering have undergone an **Internship** at **Mohan Breweries and Distilleries Ltd**, Chennai in the month of July 2022.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution.Estd.2001.



Website:www.act.edu.in

OMR, Thalambar, Chennai - 600 130. Phone: 044 6740 9444/45 Mobile: 8122124081,9445024081, Email: admission@act.edu.in



SURVEY CAMP



III year students from the Department of Civil Engineering has attended the **Survey Camp** as a part of the curriculum at Pudupakkam Village from 2nd August to 5th August 2022. The students were guided by Mr. S. Vishnuvardhan, Mr. N. Vimalraj and Mr. S. Venkateshwaran, Assistant Professors, Department of Civil Engineering.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution. Estd. 2001.



Website: www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: ☎ 044 6740 9444/45 Mobile: ☎ 8122124081, 9445024081, Email: admission@act.edu.in



FACULTY ACHIEVEMENT



CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr. Deepak.S held at 2:30 PM on 04.08.2022 in Mini Seminar Hall, Department of Mechanical Engineering, Government college of engineering, Bargur, Krishnagiri (dist.), Tamil Nadu, India. ONLINE MODE (Google Meet: <https://mrnt.google.com/zyt-mhph-zgh>)

The Ph.D. Viva-Voce Examination of Mr. Deepak.S (Reg. No. 17142997386) on his/her Ph.D. Thesis Entitled " EXPERIMENTAL INVESTIGATION ON PREPARATION AND CHARACTERIZATION OF OPTIMIZED SHEAR THICKENING FLUIDS MATRIX AND POLYPROPYLENE FABRIC REINFORCED HYBRID COMPOSITE TARGET STRUCTURES FOR SOFT BODY ARMOUR APPLICATIONS " was conducted on 04.08.2022 at 2:30 PM in the Mini Seminar Hall, Department of Mechanical Engineering, Government college of engineering, Bargur, Krishnagiri (dist.), Tamil Nadu, India. ONLINE MODE (Google Meet: <https://mrnt.google.com/zyt-mhph-zgh>).

The following Members of the Oral Examination Board were present:

1. Dr. Ashis Kumar Mandal, Senior Principal Scientist, Specialty Glass Division, CSIR - Central Glass and Ceramic Research Institute, Kolkata - 700 032 PH 9433827623	Indian Examiner
2. Dr. S Somasundaram, Associate Professor, Department of Mechanical Engineering, National Institute of Technical Teachers Training and Research, Taramani Chennai - 600 113 PH 9499033705	Subject Expert
3. Dr. Thirumalaikumarasamy D, Assistant Professor, Department of Mechanical Engineering, Government College of Engineering, Krishnagiri	Supervisor

The research scholar, Mr. Deepak.S presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr. Deepak.S be awarded Ph.D. degree in the Faculty of Mechanical Engineering.

Dr. Deepak Sampathkumar, Assistant Professor, Department of MAE has defended his Ph.D Vivo Voce in the public on the topic Experimental Investigation of Preparation and Characterisation of Optimized Shear Thickened Fluids Matrix and Polypropylene Facbric Reinforced Hybrid Composite Target Structures for Soft Body Armoured Applications on 4th August 2022 at GCE, Bargur Salem.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution. Estd. 2001.



Website: www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: 044 6740 9444/45 Mobile: 8122124081, 9445024081, Email: admission@act.edu.in



FACULTY ACHIEVEMENT

Surface Topography: Metrology and Properties



RECEIVED
28 April 2022
REVISED
19 July 2022
ACCEPTED FOR PUBLICATION
21 July 2022
PUBLISHED
29 July 2022

PAPER

Electrochemical corrosion performance of friction stir processed cold spray metal matrix composite coatings on AZ31B magnesium alloy under sodium chloride environment

Ashokkumar Mohankumar^{1,*}, Thirumalaikumarasamy Duraisamy¹, Deepak Sampathkumar² and Tushar Sonar³

¹ Department of Manufacturing Engineering, Annamalai University, Annamalai Nagar, Chidambaram-608002, Tamil Nadu, India
² Department of Mechanical and Automation Engineering, Agni College of Technology, Thalambur, Chennai-600130, Tamil Nadu, India
³ Department of Mechanical Engineering, G. S. Mandal's Maharashtra Institute of Technology, Aurangabad 431010, Maharashtra, India
* Author to whom any correspondence should be addressed.

E-mail: ashokleadsaero12@gmail.com

Keywords: magnesium alloy, surface modification, cold spray, MMC coatings, corrosion

Abstract

The main objective of this investigation is to study the effect of friction stir processing (FSP) on the surface integrity and corrosion resistance of low-pressure cold sprayed (LPCS) aluminium alloy/aluminium oxide metal matrix composite (Al-Al₂O₃ MMC) coating deposited on AZ31B magnesium alloy for aerospace and automobile applications. The Al-Al₂O₃ MMC coating was developed on AZ31B magnesium alloy using a LPCS system. FSP was performed on the MMC coating using a stirring tool made of H13 tool steel. The structural integrity of the coating was analyzed using scanning electron microscopy (SEM). The phase analysis of coating was studied using x-ray diffraction (XRD). The potentiodynamic polarization and electrochemical impedance spectroscopy (EIS) tests were performed to study the corrosion resistance of cold sprayed and FSPed samples. Results showed that FSP improved the structural integrity of MMC coating. Both the EIS and potentiodynamic



Dr. Deepak Sampathkumar, Assistant Professor, Department of MAE has published a paper on **Electrochemical Corrosion Performance of Friction Stir Processed Cold Spray Metal Matrix Composite Coatings on AZ31B Magnesium Alloy under Sodium Chloride Environment** in the Annexure 1 Journal **Surface Topography: Metrology and Properties** on 29th July 2022.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution. Estd. 2001.



Website: www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: 044 6740 9444/45 Mobile: 8122124081, 9445024081, Email: admission@act.edu.in



FACULTY PARTICIPATION



Ms. Suganthi. P, Assistant Professor, Department of Information Technology has participated in a National Webinar on **Cognition and Learning** organized by the Department of Education, Mandsaur University, Mandsaur, Mathya Pradesh on 2nd August 2022.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution.Estd.2001.



Website:www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: 044 6740 9444/45 Mobile: 8122124081,9445024081, Email: admission@act.edu.in



FACULTY PARTICIPATION



Ms. Madhumathi. M, Assistant Professor, Department of Information Technology has participated in the **ISTE Sponsored Short Term Training Programme on Deep Learning Tools and its Applications** from 25th to 29th July 2022 organized by Sai Ram Engineering College, Chennai.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution. Estd. 2001.



Website: www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: 044 6740 9444/45 Mobile: 8122124081, 9445024081, Email: admission@act.edu.in

FACULTY PARTICIPATION



Diploma of Completion

Proudly presented to:

Dr.N.V.S.Sree Rathna lakshmi Prof

For successfully completing the course:

Meet the UiPath Platform



Date of issue



UiPath Academy

Dr N V S Sree Rathna Lakshmi, Professor and Head, Department of Electronics and Communication Engineering has completed the online course on **Meet the Ui Path Platform** offered by **Ui Path** on 04th August 2022.

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology

Approved by AICTE/UGC, New Delhi, Accredited by NBA, Affiliated to Anna University, Chennai.

ISO 9001:2015 Certified Institution.Estd.2001.



Website:www.act.edu.in

OMR, Thalambur, Chennai - 600 130. Phone: ☎044 6740 9444/45 Mobile: ☎8122124081,9445024081, Email: admission@act.edu.in

