

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
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MEMORANDUM OF UNDERSTANDING

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DEPARTMENT OF AEROSPACE ENGINEERING

has signed
MEMORANDUM OF UNDERSTANDING
Between
AGNI COLLEGE OF TECHNOLOGY
and
T.E.M.S TECH SOLUTIONS,
Tirunelveli.

On **19.09.2022**
The Purpose of MOU is Skill Development,
Outcome-Based Training, R&D Services, Workshops & Events



The Department of Aerospace Engineering proudly signed a **Memorandum of Understanding with T.E.M.S Tech Solutions, Tirunelveli** on 19th September 2022. The Purpose of MOU is for Skill Development, Outcome-Based Training, R&D Services, Workshops & Technical Events. The MOU was signed by Dr. Srinivasan Alavandar, Principal, and Sri. Pon Maa Kisan, Founder and Director T. E. M. S Tech Solutions, Tirunelveli.

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WEBINAR



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ORION
AEROSPACE ASSOCIATION

DEPARTMENT OF AEROSPACE ENGINEERING & ORION AEROSPACE ASSOCIATION
Jointly Organizes

WEBINAR on Advanced Research Techniques in Aerospace Structures

19.09.2022
12.30pm to 2.00pm

Resource Person
Mr. Pradeep Shekhar Badave
Research Engineer
Department of Aerospace Engineering
Coventry University
UK

Faculty Co-ordinator
Mr. S. Prasanth
Asst. Professor-AE

Dr. S. K. Narendranathan
HOD Dept. of Aerospace Engineering

Dr. Srinivasan Alavandar
Principal - ACT

Meeting Link :
<https://agni.webex.com/agni/j.php?MTID=ma732ab10290f2d89a5ad693342433600>



The Department of Aerospace Engineering has organized a webinar on **Advanced Research Techniques in Aerospace Structures** delivered by Mr. Pradeep Shekar Badave, Research Engineer, Aerospace Engineering Department, Coventry University, United Kingdom on 19th September 2022.

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FOUNDATION COURSE – DAY 4



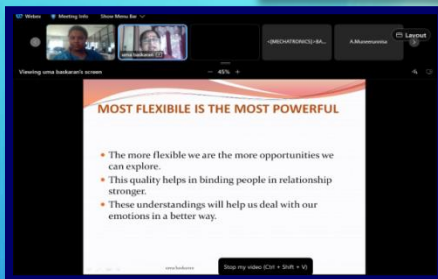
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Foundation Course for Freshers 2022
DAY 4
INTERPERSONAL SKILLS

Resource Person
Ms. Uma Baskaran
Ex VP of Axis Bank
Motivational speaker
Corporate trainer
Counseling psychologist
POSH enabler

19.09.2022
10.00 a.m. to 12.00 p.m.

Mode: Online **Platform: Cisco WebEx**



Ms. Uma Baskaran, Ex VP of Axis Bank, a Motivational Speaker, Corporate Trainer and Counseling Psychologist was the Guest Speaker of the day. She gave an energetic and interactive session on the topic **Interpersonal Skills** on 19th September 2022.

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FOUNDATION COURSE – DAY 5



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A+ NAAC **NBA** **20 YEARS** **INSTITUTIONS INNOVATION COUNCIL** **ARILA**

COUNSELING CODE 1316

Foundation Course for Freshers 2022

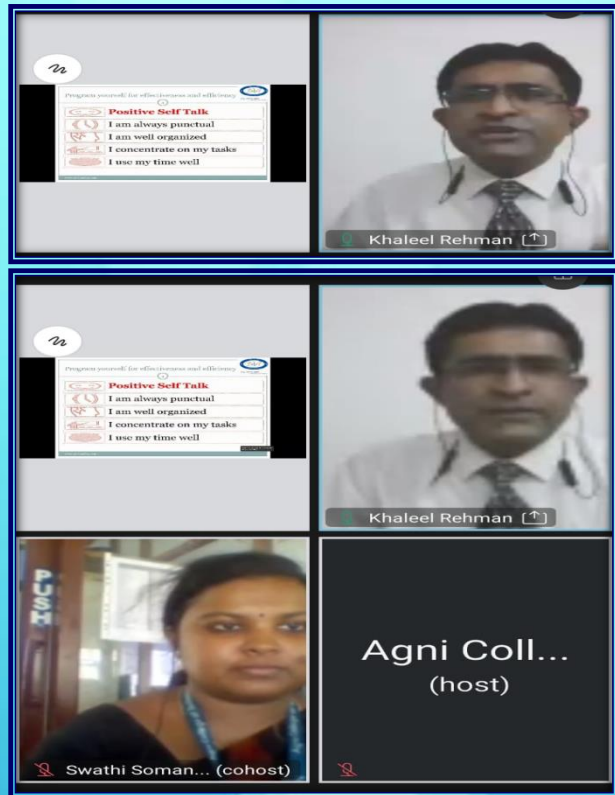
DAY 5

TIME AND STRESS MANAGEMENT

Resource Persons
Mr. KHALEEL RAHMAN
ACTION DnA,
Certified Skill Trainer
Ms. VIDHYA SHANKAR
ACTION DnA,
Certified Skill Trainer

20.09.2022
10.00 a.m. to 12.00 p.m.

Mode: Online Platform: Cisco WebEx



Mr. Khaleel Rehman & Ms. Vidhya Shankar, ACTION DnA, Certified Skill Trainers, Guest Speakers of the day had delivered an interesting session on **Time and Stress Management** on 20th September 2022.

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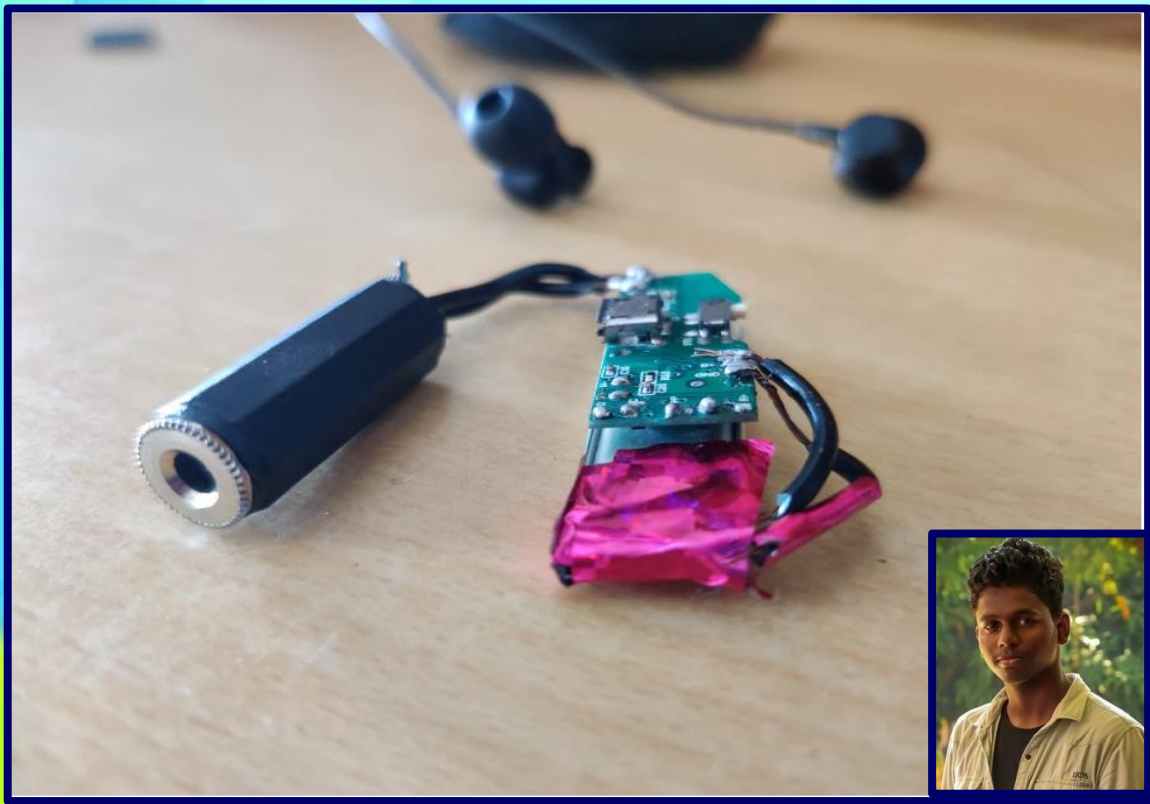
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STUDENT CREATION



Christas Immanuel, III year student, Department of Mechatronics Engineering has designed and fabricated the **Wireless Bluetooth Receiver** with Battery capacity for 6 hours and Range 5 metre.

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INTERNSHIP



Jesperson, Solomen, Ganesh, Sapdagirish, Trinit, Gokul, Rajesh, Vidhyasagar & Jaswanth undergone the **Internship** @ Shiran Engineering, Chennai on 19th September 2022.

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STUDENT PARTICIPATION

Codekaro E Certificate

Certificate of Participation

This is to certify that

R.keerthanafrom , has participated in **Web Development Bootcamp**

15 Sep 2022

**Ashish Shukla**

CEO - Codekaro



Certificate Id : d2c0e52be1fa318e

Verify the authenticity of this certificate
using this link

R. Keerthana, III year student, Department of Information Technology has participated in **Web Development Bootcamp** on 15th September 2022 organized by Codekaro.

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CERTIFICATE OF APPRECIATION



Naveen Raj S, III year student, Department of Information Technology has received a **Certificate of Appreciation** from **Devtown** in collaboration with **Microsoft Learn** for his consistent and continuing support in the month of August 2022.

STUDENT ACHIEVEMENT



Diploma of Completion



Proudly presented to:

ABDUL ALTHAF. A. L

For successfully completing the course:

Microsoft Excel Automation in StudioX

09/19/2022

Date of issue



Abdul Althaf A. L, III year student, Department of Mechanical & Automation Engineering has completed the online course on **Microsoft Excel Automation in StudioX** on 19th September 2022.

FACULTY PUBLICATION



Search   Log in



Recent Advances in Materials Technologies pp 305–316 | [Cite as](#)

Synthesis, Characterization and Production of 3D Printing Filament by Bio-degradable Fiber Reinforced ABS Polymer Matrix Composite Material

S. Ponsuriyaprakash , P. Udhayakumar, **R. Pandiyarajan**, D. Antony Prabu & P. Gurusamy

Conference paper | [First Online: 20 September 2022](#)

Part of the [Lecture Notes in Mechanical Engineering](#) book series (LNME)

Abstract

The present study investigates the effect of cellulose fiber in Acrylonitrile–Butadiene–Styrene polymer matrix composites on their thermal–mechanical, and morphological properties by varying different weight ratios (ABS: Cellulose—100 wt%; 95:5 wt%; 90:10 wt%; 85:15 wt%; 80:20 wt%). The role of Acrylonitrile–Butadiene–Styrene (ABS) in the Automobile Industry is more pronounced because of its rigid plastic with a rubber characteristic having high impact

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[Abstract](#)

[References](#)

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Dr. R. Pandiyarajan, Head, Department of Mechatronics Engineering has published a Lecture Notes entitled **Synthesis, Characterization and Production of 3D Printing Filament by Bio-degradable Fiber Reinforced ABS Polymer Matrix Composite Material** in Mechanical Engineering Book Series (LNME) - Recent Advances in Materials Technologies, Springer Publication.

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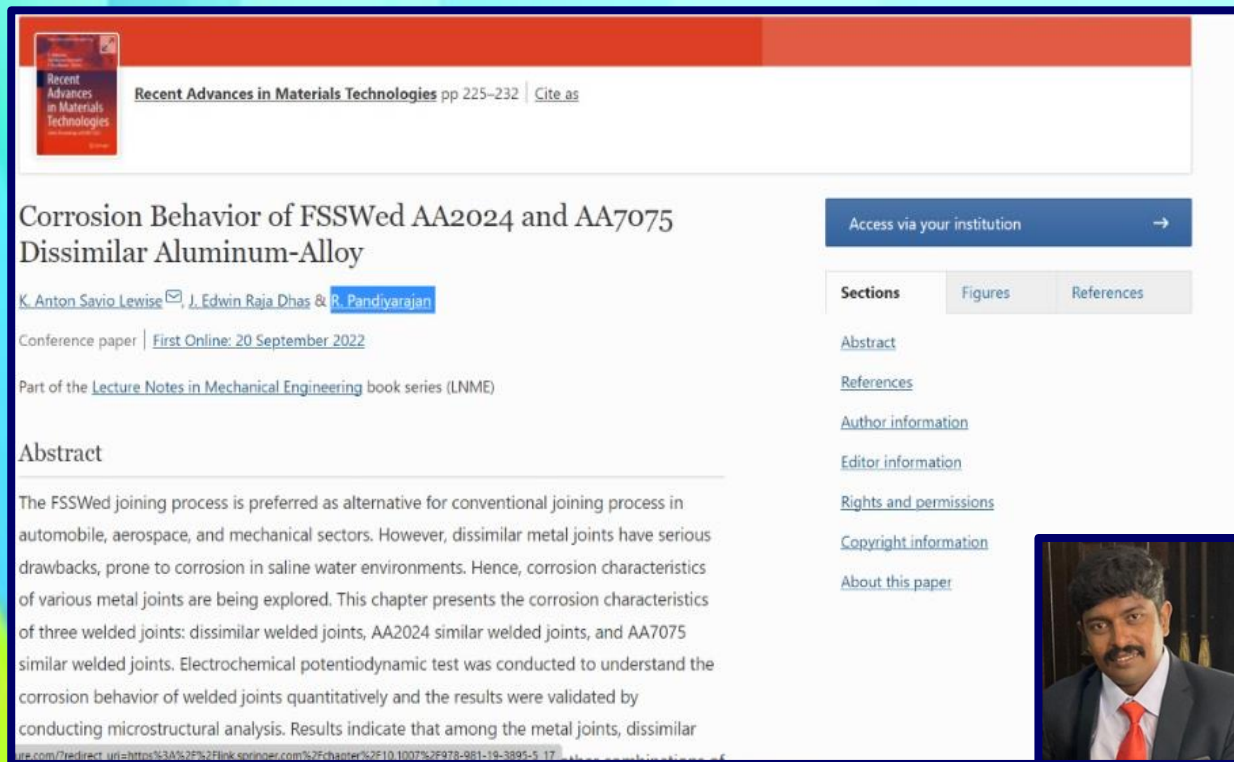
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FACULTY PUBLICATION



Recent Advances in Materials Technologies pp 225–232 | [Cite as](#)

Corrosion Behavior of FSSWed AA2024 and AA7075 Dissimilar Aluminum-Alloy

K. Anton Savio Lewise , J. Edwin Raja Dhas & R. Pandiyarajan

Conference paper | [First Online: 20 September 2022](#)

Part of the [Lecture Notes in Mechanical Engineering](#) book series (LNME)

Abstract

The FSSWed joining process is preferred as alternative for conventional joining process in automobile, aerospace, and mechanical sectors. However, dissimilar metal joints have serious drawbacks, prone to corrosion in saline water environments. Hence, corrosion characteristics of various metal joints are being explored. This chapter presents the corrosion characteristics of three welded joints: dissimilar welded joints, AA2024 similar welded joints, and AA7075 similar welded joints. Electrochemical potentiodynamic test was conducted to understand the corrosion behavior of welded joints quantitatively and the results were validated by conducting microstructural analysis. Results indicate that among the metal joints, dissimilar

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[About this paper](#)



Dr. R. Pandiyarajan, Head, Department of Mechatronics Engineering has published Lecture Notes on **Corrosion Behavior of FSSW AA2024 and AA7075 Dissimilar Aluminu-Alloy** in Mechanical Engineering Book Series (LNME), Recent Advances in Materials Technologies, Springer Publication.

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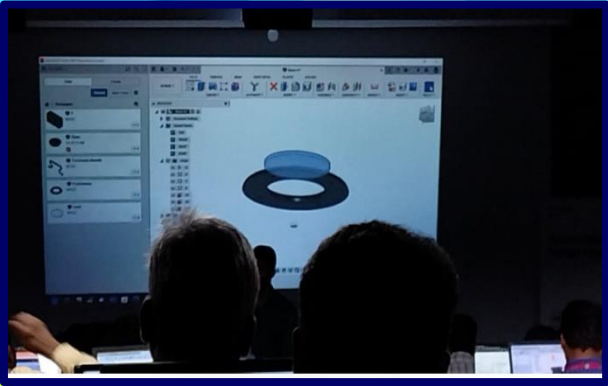


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FACULTY PARTICIPATION



Mr. T. Vivek and Mr. Srinivasan, Assistant Professor, Department of Mechatronics Engineering have attended the Faculty Development Programme on **Robotics Simulation for Manufacturing** organised by Tamilnadu Skill Development Corporation at Anna University, Chennai.

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FACULTY PARTICIPATION



Mr. Vishnuvardhan. S, Mr. Vimalraj. N, Mr.Venkateswaran. S and Mrs. Vinodha. E, Assistant Professors, Department of Civil Engineering have attended the FDP of **Naan Mudhalvan - Training the Trainers Programme** on 19th September 2022 in Anna University, Chennai.

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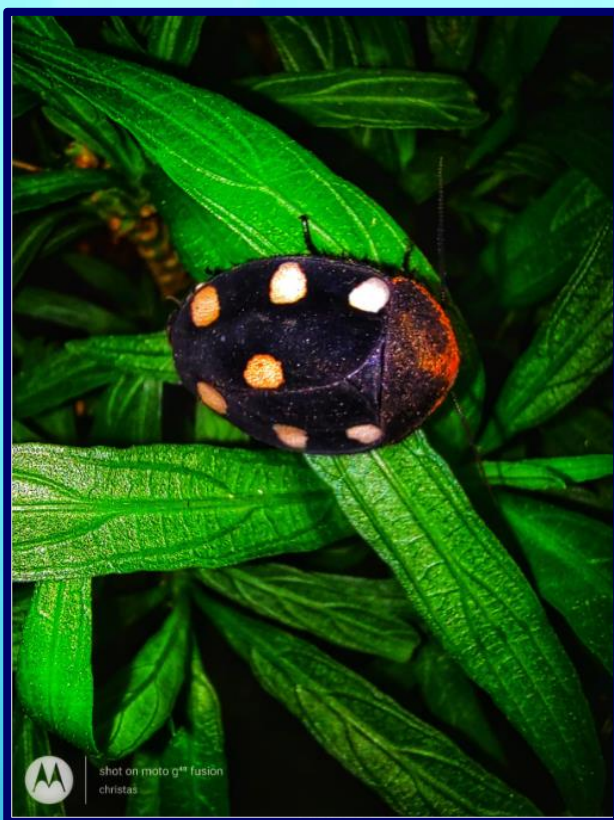


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STUDENT REPOSITORY



Christas Immanuel, III year student, Department of Mechatronics Engineering has captured aesthetic photos of a spider and bug.

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