

IGNITE 2023



A DAILY NEWSLETTER

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STUDENT ACHIEVEMENT



V. Ankith Vipul, I year student (CSE), Department of Science and Humanities has completed the online course on **Python Fundamentals for Beginners** offered by Great Learning Academy in the month of January 2023.

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STUDENT ACHIEVEMENT



R. Livin Kumar, I year student (CSE), Department of Science and Humanities has completed the online course on **Python Fundamentals for Beginners** offered by Great Learning Academy in the month of February 2023.

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STUDENT ACHIEVEMENT



S. Veeramani, I year student (EEE), Department of Science and Humanities has got the first place in **OKINAWA GOJU – RYKARATE 2nd National Level Open Karate Championship India - 2023** held at Santhome Hr. Sec. School, Mylapore, Chennai.

STUDENT PARTICIPATION



Mr. Arunkumar M, III year student, Department of Mechatronics Engineering has participated in a one day online **Workshop on Space Technology and its Applications** organized by Indian Institute of Remote Sensing, ISRO Dehradun, Department of Space, Government of India held on 10th January 2023.

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STUDENT PARTICIPATION



S. Sandhiya, III year student, Department of Aerospace Engineering has participated in the **District Level Tamilnadu Chief Minister Cup Sports Competition 2022-23** in Silambam Category.

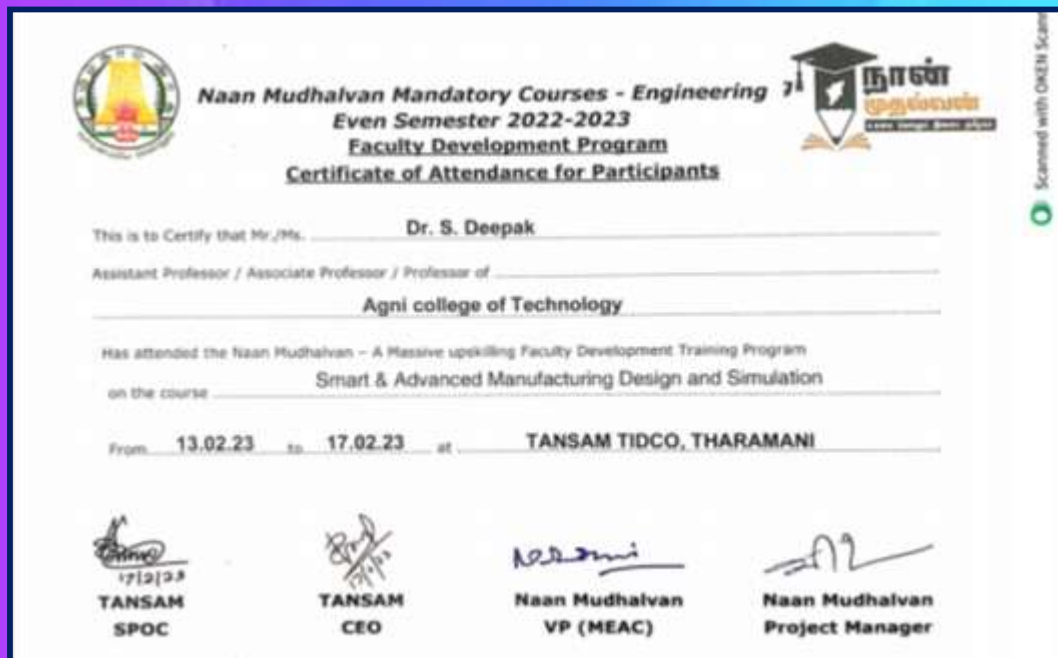
ATAL FDP - VALEDICTORY FUNCTION



The Department of Biomedical Engineering hosted a five day offline **AICTE** approved **ATAL - FDP** from 17th to 21st February 2023. The programme was attended by more than 40 participants from different AICTE approved colleges. The valedictory ceremony was held and presided over by the Dr. Srinivasan Alavandar, Principal on 21st February 2023.

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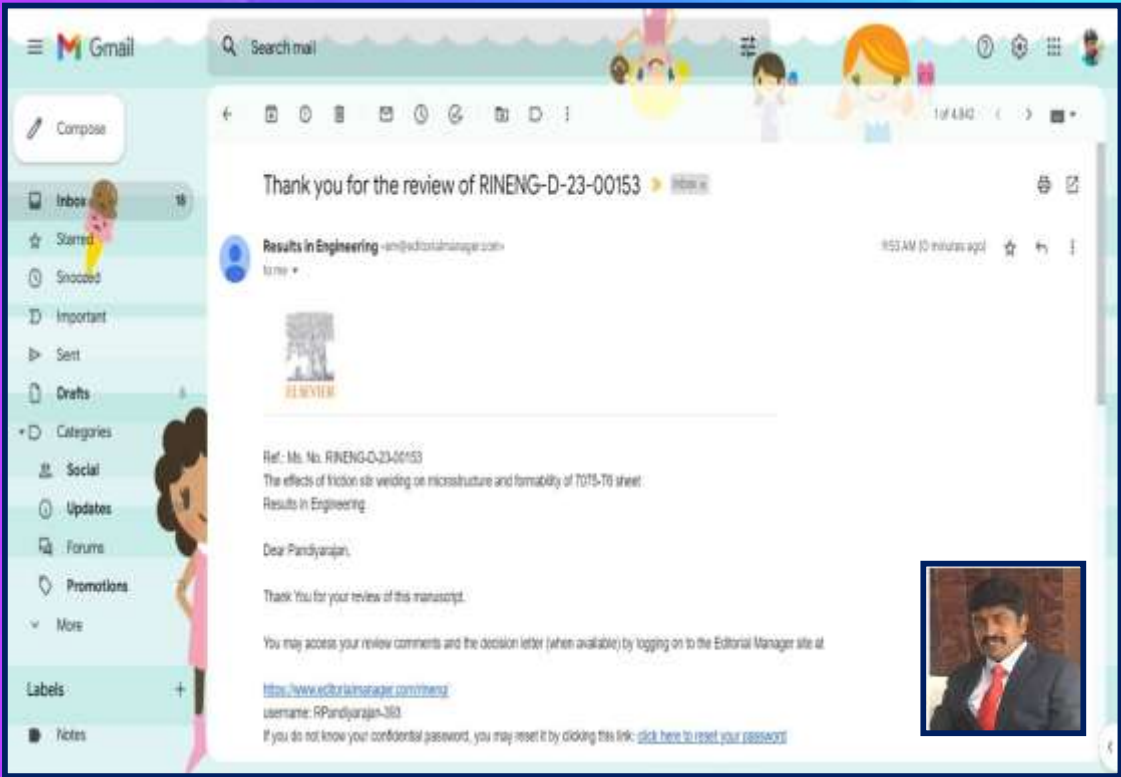
FACULTY ACHIEVEMENT



Dr. S. Deepak Assistant Professor, Department of Mechanical and Automation Engineering has attended the **Naan Mudhalvan - A Massive upskilling Faculty Development Training Programme on Smart & Advanced Manufacturing Design and Simulation** from 13th February to 17th February 2023 at Tansem, TIDCO, Tharamani.

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FACULTY ACHIEVEMENT



Dr. R. Pandiyarajan, Head, Department of Mechatronics Engineering has reviewed a paper titled **The Effects of Friction Stir Welding on Microstructure and Formability of 7075-T6 Sheet** in an Elsevier Journal Results in Engineering.

FACULTY ACHIEVEMENT

OFFICIAL JOURNAL OF THE PATENT OFFICE

नियमन सं. 07/2023
ISSUE NO. 07/2023

शुक्रवार
FRIDAY

दिनांक 17/02/2023
DATE: 17/02/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 07/2023 Dated: 17/02/2023



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of Filing of Application : 11/02/2023

(21) Application No. 202341009150 A

(43) Publication Date : 17/02/2023

(54) Title of the invention : Fiber Reinforced Composites (FRC) for Electric Vehicles

(51) International
classification

: B22D0001260000, B22D0005240000,
B25L001300000, B25D0009000000,
C08K0007060000

(66) International
Application No.
Filing Date

: PCT/
: 01/01/1900

(67) International
Publication No

: NA

(61) Patent of Addition
in Application Number

: NA

Filing Date

: NA

(62) Divisional in
Application Number

: NA

Filing Date

: NA

(71) Name of Applicant :

1) Dr. M. Sureshram
Address of Applicant: Associate Professor, Department of Mechanical
Engineering, Anna University, Anna Nagar-600002

2) Mr. S. Aravindhan

3) Dr. K. Ramachandran

4) Mr. S. Karthikeyan

5) Aravind

6) M. Subramanian

7) Mr. S. Velumuttu

Name of Applicant : NA

Address of Applicant : NA

(72) Name of Invention :

1) Dr. M. Sureshram
Address of Applicant: Associate Professor, Department of Mechanical
Engineering, Anna University, Anna Nagar-600002

2) Mr. S. Aravindhan

Address of Applicant: Associate Professor, Department of Mechanical
Engineering, Anna University, Anna Nagar-600002

3) Dr. K. Ramachandran

Address of Applicant: Associate Professor, Department of Mechanical
Engineering, Anna University, Anna Nagar-600002

4) Mr. S. Karthikeyan

Address of Applicant: Associate Professor, Department of Mechanical
Engineering, Anna University, Anna Nagar-600002

5) Aravind

Address of Applicant: Associate Professor, Department of Mechanical
Engineering, Anna University, Anna Nagar-600002

6) M. Subramanian

Address of Applicant: Associate Professor, Department of Mechanical
Engineering, Anna University, Anna Nagar-600002

7) Mr. S. Velumuttu

Address of Applicant: Associate Professor, Department of Mechanical
Engineering, Anna University, Anna Nagar-600002

(57) Abstract :

[06] Composite materials having better strength to weight ratio are one of the finest options for planning, designing and manufacturing of the lightweight components. In automobile sector, employment of composite materials would reduce the weight of electric vehicles as well as influence their aerodynamic properties. Therefore, it would decrease the consumption of fuel as well by cutting down harmful emissions and particulate matter. Numerous developments in such technologies are studied over the last decade by automobile manufacturers and academic researchers. Fiber-reinforced polymers, particularly those established on glass and carbon fibers, have attracted attention of the automobile sector due to their high performance and lesser weight. In addition An improved metal, alloy, or

Mr. S. Karthikeyan, Assistant Professor, Department of Mechatronics Engineering has filed a patent on the title **Fiber Reinforced Composites (FRC) for Electric Vehicles** and got published on 17th February 2023 with an Issue No: 7/2023 and Patent Number: 202341009150A.

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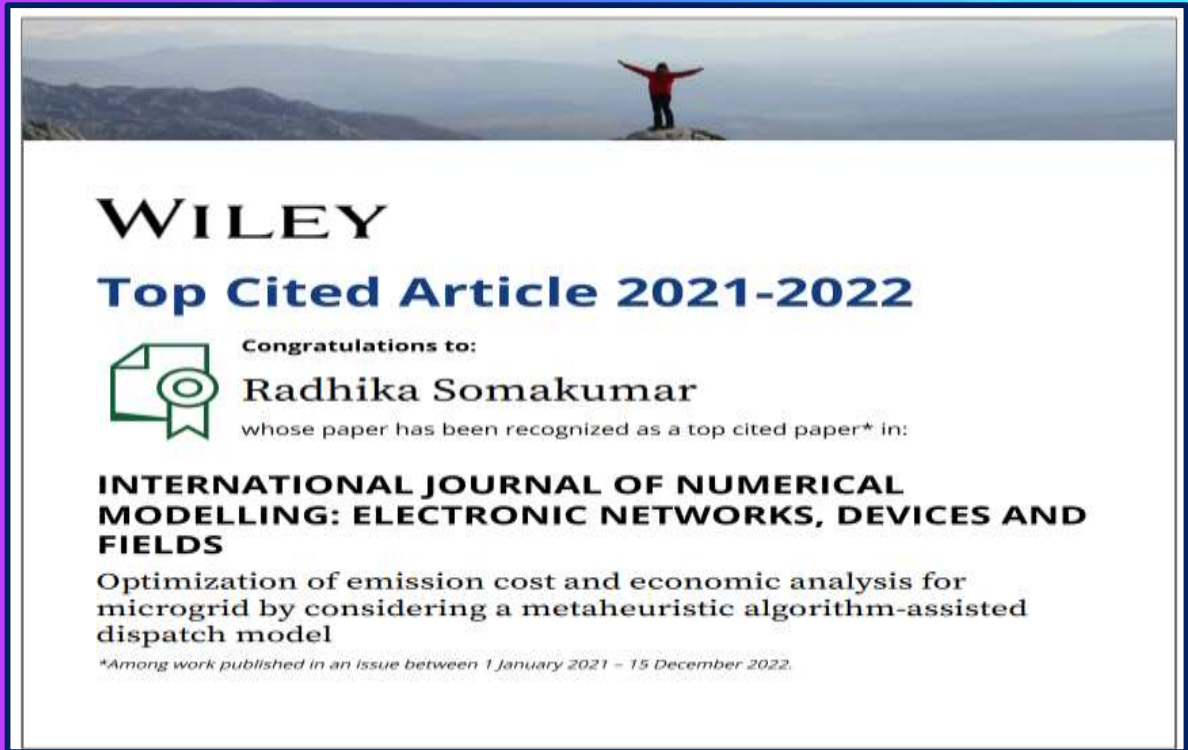
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FACULTY ACHIEVEMENT



Ms Radhika Somakumar, Assistant Professor, Department of Electrical and Electronics Engineering whose paper on **Optimization of Emission Cost and Economic analysis for Microgrid** by Considering a Metaheuristic Algorithm Assisted Dispatch Model has been recognized as Top Cited Paper in the International Journal of Numerical Modelling: Electronic Networks Devices and Fields (WILEY) during 1st January 2021 to 15th December 2022.

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FACULTY ACHIEVEMENT



Mr. Vishnuvaradhan. S, Assistant Professor, Department of Civil Engineering has completed **FDP** on **Sustainable Building Design** organized by Naan Mudhalvan, Government of Tamilnadu in association with AutoDesk from 13th to 17th February 2023 at Anna University, Chennai.

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FACULTY PARTICIPATION



Dr. T. Anand, Professor & Head, Department of Mechanical and Automation Engineering has participated and completed the International Virtual **Faculty Development Programme** on **Research Opportunities and Future of Additive Manufacturing Engineering** organized by the Department of Mechanical Engineering, Sri Manakula Vinayagar Engineering College from 30th January till 3rd February 2023.

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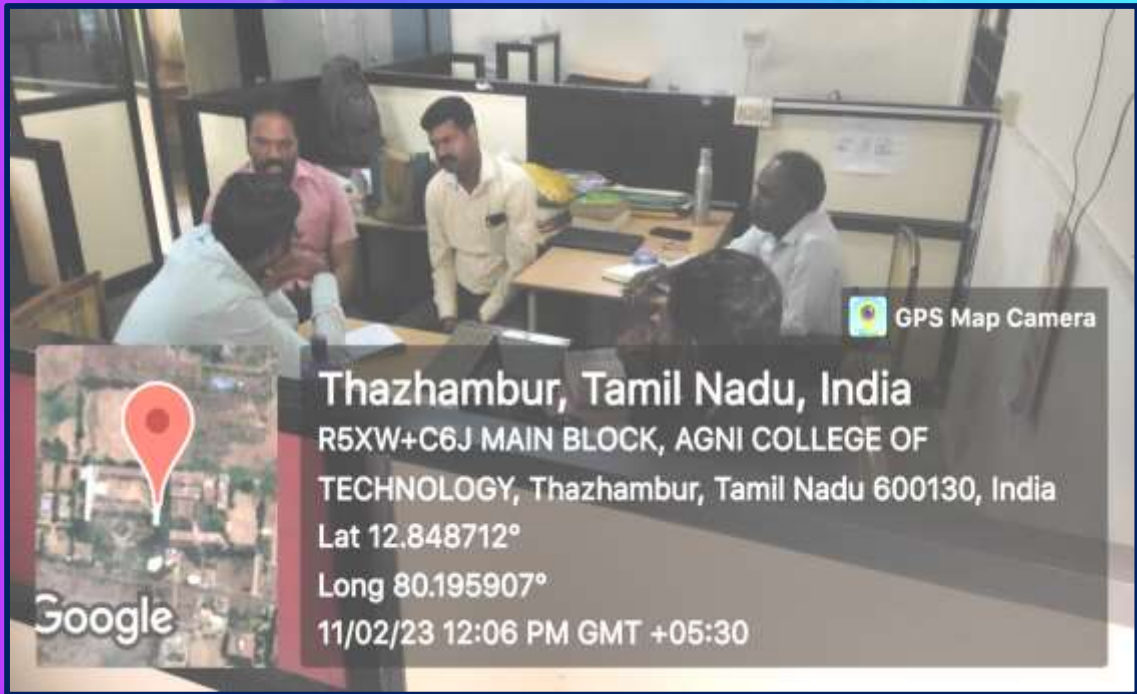
INDUSTRIAL VISIT



II, III & IV year students, Department of Electrical and Electronics Engineering visited **400kV Substation** at **Sriperumbudur**, Tamil Nadu Transmission Corporation limited on 22nd February 2023.

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DEPARTMENT MEETING



The department meeting was conducted by Dr. P. Purushothaman, Head, Department of Mechanical Engineering and discussed regarding syllabus coverage for IAT - 1, student attendance and ERP completion.

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REVIEW MEETING



The Department of Mechanical and Automation Engineering has conducted First Review Meeting for the final year students by Mr. A. Sam Daniel Fenny, Assistant Professor on 21st February 2023. Students were given inputs and suggestions to improve their project presentation and research skills in their domain area.

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