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Futuristic Advancements in Materials, Manufacturing and Thermal Sciences
(ICFAMMT 2022), January 20–22, 2022



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Certificate of Presentation

Paper Title: Design of Composite Sprockets for FSAE Vehicles and bikes

Author(s) name: Darshan Pal Singh, Bibhu Dev Das, Krishanu Borah and Lokavarapu Bhaskara Rao

This is to certify that Dr./Mr./Ms. **Darshan Pal Singh** has presented the above mentioned paper in
ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.

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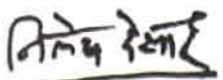
Certificate of Presentation

Paper Title: Enhancing Fuel Efficiency of a Two-Wheeler Based on Taguchi and ANOVA Method and Regression Analysis

Author(s) name: Kevin Joseph, Jeyanthinathan R and Lokavarapu Bhaskara Rao

This is to certify that Dr./Mr./Ms. **Kevin Joseph** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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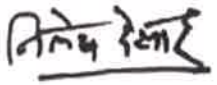
Certificate of Presentation

Paper Title: Dynamic Analysis of Helical Planetary Gearbox using Simulation Software

Author(s) name: Sumit Singh Rajput, Shreya A Tripathi, Subiksha C and Lokavarapu Bhaskara Rao

This is to certify that Dr./Mr./Ms. **Shreya A Tripathi** has presented the above mentioned paper
in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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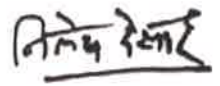
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Paper Title: A Novel Modelling Approach for Dent Identification and Sizing for Oil and Gas Pipeline

Author(s) name: Aawish Kumar, Surya Prakash and Ashish Kumar Srivastava

This is to certify that Dr./Mr./Ms. **Ashish Kumar Srivastava** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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Paper Title: Solution of Lubrication Problems with Deep Neural Network

Author(s) name: Saurabh Yadav and Gannath Thakre

This is to certify that Dr./Mr./Ms. **Saurabh Yadav** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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Paper Title: Structural Integrity Analysis of a Washing Machine Tripod (front load) and Redesign Using Taguchi Method

Author(s) name: Gokul Raj Sp, Tenzin Choney and Lokavarapu Bhaskara Rao

This is to certify that Dr./Mr./Ms. **Gokul Raj Sp** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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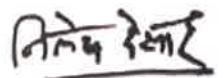
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**Paper Title: Conversion of Liquid Nitrogen (LIN) storage cryogenic tank to store Liquid Oxygen (LOX)
during COVID-19 pandemic situation**

Author(s) name: Chinmay Kumar Patra, Tino S, Pawan Kumar and Biswajit Gorai

This is to certify that Dr./Mr./Ms. **Chinmay Kumar Patra** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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Paper Title: Brush Plating on Aluminum for High-Reliable Use

Author(s) name: Dr. Vaishali Umrana, Vimal M. Shah and Sharad Shukla

This is to certify that **Mr. Sharad Shukla** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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Paper Title: Modal Analysis of Self-Rigidize Inflatable Laminated Cylindrical Boom

Author(s) name: Vikas Rastogi

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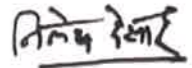
Certificate of Presentation

**Paper Title: NUMERICAL SYNTHESIS OF BENDING BEHAVIOUR OF FLEXIBLE COMPOSITE
TAPE SPRING**

Author(s) name: Megha Thaker, Hemant Arora, Dhaval Patel and Shashikant Joshi

This is to certify that Dr./Mr./Ms. **Shashikant Joshi** has presented the above mentioned paper in
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Paper Title: Design and Numerical Investigation of bicycle freewheel mechanisms under combined loading

Author(s) name: Mohammad Ahmed Basri, Talvinder Singh and Anoop Aggarwal

This is to certify that Dr./Mr./Ms. **Mohammad Ahmed Basri** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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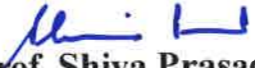
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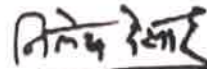
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Paper Title: Vibration Analysis of Multilayer Membrane Reflector

Author(s) name: Alok Kumar Tiwari, Vikas Rastogi and Sanjay Upadhyay

This is to certify that Dr./Mr./Ms. **Alok Kumar Tiwari** has presented the above mentioned paper
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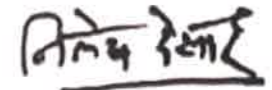
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Paper Title: Design and development of collapsible stretcher cum chair using moso Bamboo

Author(s) name: Mohammad Ahmed Basri, Vijay Gautam, Mukul Rai and Nikhil Rajput

This is to certify that Dr./Mr./Ms. **Mohammad Ahmed Basri** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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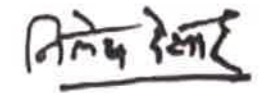
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Paper Title: Evaluation of Maximum bending stiffness of stranded cables with refined kinematic relations

Author(s) name: Pritesh Hadiya, Parthasarathy N S and Gurumoorthy S Hebbar

This is to certify that Dr./Mr./Ms. **Pritesh Hadiya** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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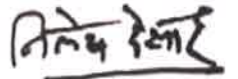
Paper Title: Piezo Actuated and Hydraulically Amplified Linear Compressor for Pulse Tube Cryo-cooler

Author(s) name: Faisalkhan R. Pathan, Numan Ahmad, Gagan Agrawal, Naimesh R. Patel, Reena R.

Trivedi and Shaunak R. Joshi

This is to certify that Dr./Mr./Ms. **Faisalkhan R. Pathan** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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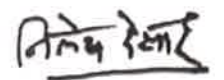
Certificate of Presentation

Paper Title: Robotic Equipment Panel Assembly and Integration Fixture

**Author(s) name: Arvind Kumar Singh, Md. Aamer Mohiuddin, Kuna Madhu Kumar, Manjunath B Rao,
Surendran N, Jeyanthi Rajesh and Ramanagouda V Nadagouda**

This is to certify that Dr./Mr./Ms. **Arvind Kumar Singh** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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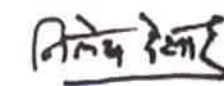
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Paper Title: Development and performance behaviors of magneto-rheological fluid (MRF) brake: a review

Author(s) name: Satish Kumar, Dr.Moti Lal Rinawa, Manoj Mittal and Amit Kumar Sharma

This is to certify that Dr./Mr./Ms. **Satish Kumar** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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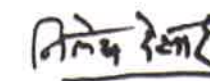
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Paper Title: Design and Analysis of Composite Spur Gear

Author(s) name: Aniket Oswal, Deepesh Bhalodia, Akshay Sunctankar and Lokavarapu Bhaskara Rao

This is to certify that Dr./Mr./Ms. **Aniket Oswal** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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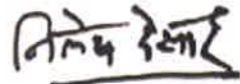
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Paper Title: Design and Analysis of Non-metallic Spur Gear Designed from ACRYLIC and PVC

Author(s) name: Krishna Anusha K, Karen A, Adarsh Balasubramanian and Lokavarapu Bhaskara Rao

This is to certify that Dr./Mr./Ms. **Krishna Anusha K** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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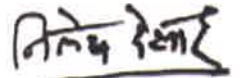
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Paper Title: Comparative Study of the Modified Potential Field Algorithm for Obstacle Avoidance

**Author(s) name: Zozimus Labana, Jaasim Mulla, Rahul Jaiswal, Rajat Mondal, Ravindra Singh and
Mehta Tapan**

This is to certify that Dr./Mr./Ms. **Zozimus Labana** has presented the above mentioned paper in
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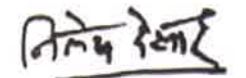
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Paper Title: An Advanced Optimal-Torque Control MPPT Technique for Variable-Speed WECS

**Author(s) name: Shailendra Kumar Gupta, Moti Lal Rinawa, Kishor Thakre, Neeraj Garg, Harish
Sharma and Ashwini Sharma**

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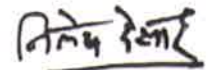
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Paper Title: Design and Optimisation of a 3-Stage Industrial Gearbox

**Author(s) name: Shubham Sunil Patil, Swaraj Chandraprakash Parate, Hrushikesh Vishwas Kulkarni
and Lokavarapu Bhaskara Rao**

This is to certify that Dr./Mr./Ms. **Shubham Sunil Patil** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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Paper Title: Improvised model for estimation of cable bending stiffness under various slip regimes

Author(s) name: Pritesh Hadiya, Parthasarathy N S and Gurumoorthy S Hebbar

This is to certify that Dr./Mr./Ms. **Pritesh Hadiya** has presented the above mentioned paper in
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Paper Title: Structural and Thermal Analysis of Modified Ventilated Paperboard Using Finite Element Analysis

Author(s) name: Sagar Yanda, Jagadish Jagadish, N.V Swamy Naidu, Sathish Kumar Adapa and Sivasankara Raju R

This is to certify that Dr./Mr./Ms. **Sagar Yanda** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.

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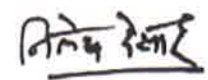
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Paper Title: Design, Analysis and Parametric Optimization of Epicyclic Gears

Author(s) name: Mayank Sharma, Kartikey Chauhan, Hemkar Sharma and Lokavarapu Bhaskara Rao

This is to certify that Dr./Mr./Ms. **Hemkar Sharma** has presented the above mentioned paper in ICFAMMT-2022 held during 20th - 22nd January at IITRAM Ahmedabad, Gujarat, India.


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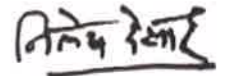
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Paper Title: Minimization of Structural Error of the Steering Mechanism of an Agricultural Harvesting Machine

Author(s) name: Santiranjn Pramanik

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