



Institute of Infrastructure, Technology,  
Research And Management  
(An Autonomous University Established by Government of Gujarat)

International Conference  
on



Space Society of Mechanical Engineers  
(SSME)  
Space Applications Centre, ISRO Ahmedabad

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



Jointly organised by

Department of Mechanical & Aero-Space Engineering, IITRAM Ahmedabad, Gujarat, India  
& Space Society of Mechanical Engineers (SSME), Space Applications Centre, ISRO, Ahmedabad

### Certificate of Presentation

**Paper Title: Ab – initio study of electronic properties on pure and doped anatase titanium dioxide using meta - GGA**

**Author(s) name: Debashish Dash**

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

**Prof. Shiva Prasad**  
(Director General, IITRAM)

**Shri Nilesh M. Desai**  
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### Certificate of Presentation

**Paper Title: Growth and characterization of Al (111) thin film on piezoelectric wafers for SAW device fabrication for space applications**

**Author(s) name: Manish Kumar Sahu, Ajaya Kumar Ps, Chiranjit Karmakar, Gunjan Rastogi, R.K. Kaneriya and R.B. Upadhyay**

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

  
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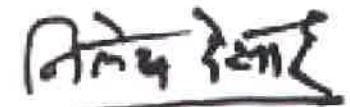
### Certificate of Presentation

**Paper Title: Prediction of mechanical properties of h-BNNS reinforced Al metal matrix nanocomposite**

**Author(s) name: Neetu Chaudhary and Mithilesh Dikshit**

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

  
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*Certificate of Presentation*

**Paper Title: Comparative study of various image compression techniques**

**Author(s) name: Hari Kumar Singh, Amarjeet Poonia, Manoj Kumar Singh Singh, Ankur Dutt  
Sharma and Moti Lal Rinawa**

This is to certify that Dr./Mr./Ms. **Hari Kumar Singh** has presented the above mentioned paper in  
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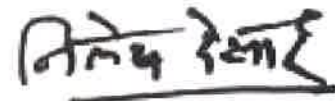
### Certificate of Presentation

Paper Title: Techno-Economic analysis based on ERA5 data for offshore wind energy along the Indian coast

Author(s) name: Ravi Patel, Garlapati Nagababu, Surendra Singh Kachhwaha and V.V. Arun Kumar Surisetty

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

  
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*Certificate of Presentation*

**Paper Title: Theoretical Investigation of Co, Cu, and Cr Metal Complexes: Optical Analysis**

**Author(s) name: Kirtikumar Patel, Dhara Patel, Vishnubhai Patel and Kamleshkumar Patel**

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

  
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***Certificate of Presentation***

**Paper Title: An Integrated Approach of Gearbox Fault Diagnosis**

**Author(s) name: Vikash Kumar, Subrata Mukherjee and Somnath Sarangi**

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

  
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### Certificate of Presentation

Paper Title: Velocity of Sound using Sonic Waves

Author(s) name: Hari Kumar Singh, Manoj Kumar Singh, Moti Lal Rinawa, Arvind Sharma, Amit Kumar Sharma, Ankur Dutt Sharma and Amarjeet Poonia

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

  
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