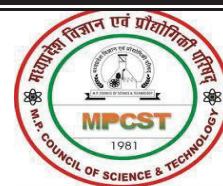


# National Science Day – 2024

Theme: Indigenous Technologies for Viksit Bharat



Department of Applied Mathematics and Computational Science,  
Shri G. S. Institute of Technology and Science, Indore

## Expert Lectures

**Activity:** Inaugural Ceremony and Expert Lectures

Lecture series of three lectures was organized on 15<sup>th</sup> March 2024, as the concluding part of National Science Day – 2024, at Spandan Hall, III Floor ATC building of Institute. Chief Guest of the program was Dr. Janak Palta McGilligan, an Indian Padma Shri recipient social worker and the founder-director of Jimmy McGilligan Centre for Sustainable Development, an Indore-based non-government organization working for sustainable community development.

**Date:** 15-March-2024

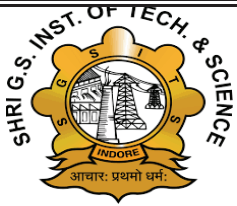
**Time:** 10:30am

**Venue:** Spandan Hall, II Floor, ATC Building, SGSITS, Indore.

**Participants:** 120 (SC: 18, ST: 17, OBC/GEN: 85)

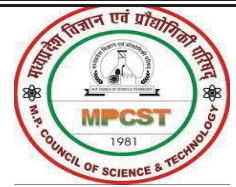
### Schedule of Activities

1. Expert Lecture: Padma Shri Dr. Janak Palta McMilligan
2. Expert Lecture: Dr. J. T. Andrews
3. Expert Lecture: Dr. K. Venkatraman
4. Valedictory Function
5. Prize Distribution
6. Vote of thanks
7. Group Photo



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## Chief Guest

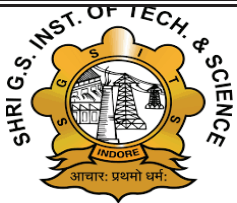
**Padma Shri Dr. Janak Palta McMilligan**



Dr. McGilligan is a well-known social worker and also the founder of the Barli Development Institute for Rural Women along with her Irish husband, late Mr. Jimmy McGilligan. With sheer devotion to the cause, they successfully empowered numerous rural as well as tribal women, spreading knowledge, awareness, and imparting values, thereby contributing to their holistic development.

In 2015, Dr. Janak Palta McGilligan was awarded the Padma Shri, one of India's highest civilian honors, in recognition of her contributions to social work and sustainable development.





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## Expert Lecture – 1

### Padma Shri Dr. Janak Palta McMilligan

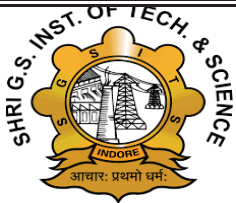
Dr. Janak Palta McGilligan's work exemplifies a deep commitment to improving the lives of marginalized communities through education, sustainable practices, and empowerment initiatives. Her contributions have made a lasting impact on the lives of many and continue to inspire future generations of social workers and environmentalists. In her lecture, she explained her journey and highlights the contributions, some of them are:

**Barli Development Institute for Rural Women:** She was the director of this institute in Indore for over two decades. The institute focuses on empowering rural and tribal women through education, skill development, and sustainable practices.

**Sustainability Advocate:** She is known for her advocacy of sustainable living. She lives in an eco-friendly home in Indore, which is solar-powered and designed to minimize environmental impact.

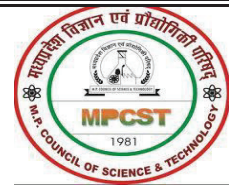
**Environmental Education:** She has been actively involved in educating people about environmental conservation, renewable energy, organic farming, and sustainable development practices.

**Women's Empowerment:** Through her work at the Barli Development Institute, she has helped thousands of women gain skills in areas such as sewing, organic farming, and entrepreneurship, enabling them to become self-sufficient and empowered.



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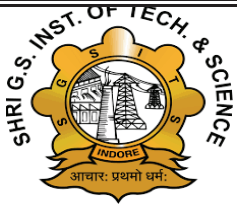
Department of Applied Mathematics and Computational Science,  
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## Expert Lecture – 1

Padma Shri Dr. Janak Palta McMilligan







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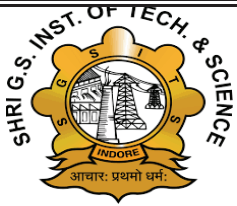


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## Expert Lecture – 1

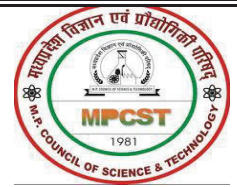
Padma Shri Dr. Janak Palta McMilligan





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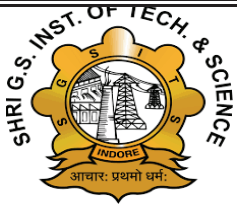
## Expert Lecture – 2

Prof. J. T. Andrews

**Dr. Andrews**, Professor and Head, Department of Applied Physics and Optoelectronics and Dean was welcomed by Dr. Sarla Chouhan, Assistant Professor, Department of Applied Mathematics and Computational Science

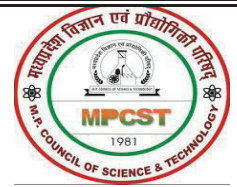






# National Science Day – 2024

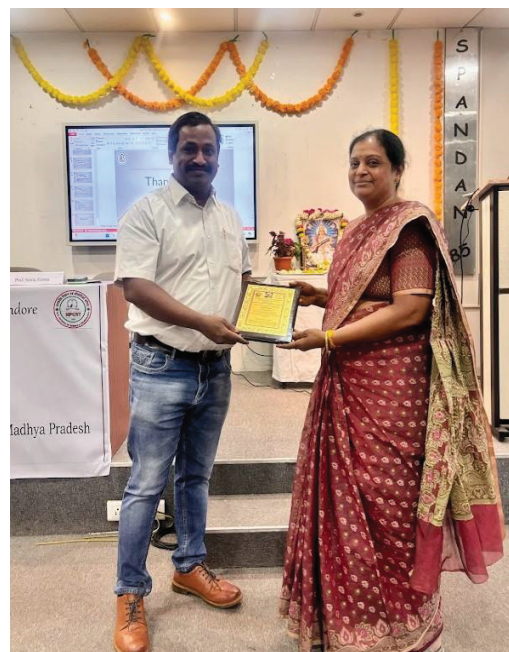
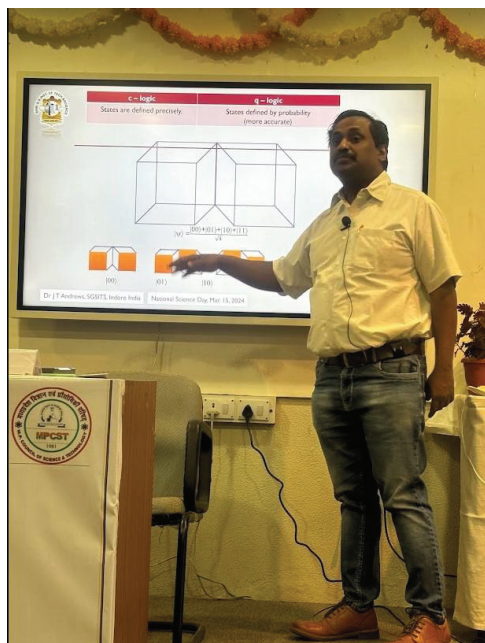
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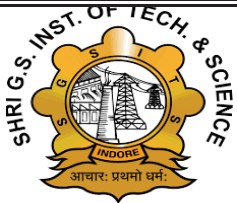


Department of Applied Mathematics and Computational Science,  
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## Expert Lecture – 2

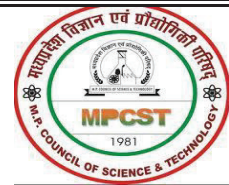
Prof. J. T. Andrews





# National Science Day – 2024

Theme: Indigenous Technologies for Viksit Bharat



Department of Applied Mathematics and Computational Science,  
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## Expert Lecture – 3

### Prof. K Venkatraman

Prof. Venkatraman, Head, Department of Electronics & Computer Applications, PMB Gujarati Science College, Indore was welcomed by Ms. Nidhi Oswal, Assistant Professor, Department of Applied Physics and Optoelectronics

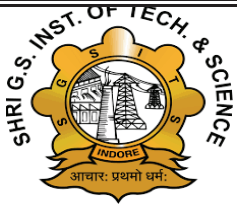


Prof. Venkatraman is a prominent figure in promoting basic physics concepts to the students. He constantly works on ancient Indian discoveries on Physics and its applicability in present time. Ancient India has a rich history of scientific and philosophical contributions, with several notable figures who made significant advancements in various fields, including physics.

He discussed the contributions of Kanada, Aryabhatt, Brahmagupta, Bhaskaracharya, Nagargun etc.

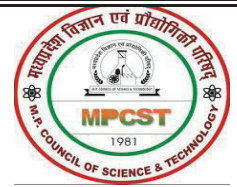
These ancient Indian scholars laid foundational principles in various fields that intersect with physics, including atomism, gravity, and the motion of celestial bodies. Their contributions were precursors to many modern scientific concepts and highlight the rich scientific heritage of ancient India.





# National Science Day – 2024

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Department of Applied Mathematics and Computational Science,  
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## Expert Lecture – 3

### Prof. K Venkatraman

