



# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

In Association with

## St. Cloud State University, USA

Announces



## A Multi-disciplinary International Congress

### SANMANTRANA-2024

on

**Innovations and Technological Interventions for Sustainability: Emerging Challenges**

**January 31-February 2, 2024**

### SUBTHEMES

### ABOUT THE CONGRESS

Meeting sustainable development goals requires harnessing and maximizing the potential of technological innovation in such a way that it utilizes natural resources optimally and fosters economic and social development. Such interventions drastically reduce environmental and ecological risks and create a sustainable product. Sustainable development is intended to ensure the availability of basic human needs like clean air, water and hygiene. Rapid industrialization has resulted in the exploitation of the natural resources of the earth and sustainable development aims not only to reduce the stress on natural resources but also to find ways to replenish them. Though technological innovations deals with energy efficiency, reduction in pollution, use of renewable sources, it should also be economically sustainable too. One of the biggest challenge is to turn sustainable technology into reality. Innovations and technological interventions need to be focused to preserve the natural resources of the earth to make the planet sustainable for a long term. The present congress will discuss the emerging challenges in the area of sustainability.

- AGRICULTURE
- ARCHITECTURE
- CIVIL ENGINEERING
- MECHANICAL ENGINEERING
- CS/IT ENGINEERING
- EE/EC/EI ENGINEERING
- FORENSIC SCIENCE
- MANAGEMENT
- SOCIAL SCIENCE, HUMANITIES AND ARTS
- JOURNALISM AND MASS COMMUNICATION
- TEXTILE TECHNOLOGY
- MATHEMATICS
- LIFE SCIENCE
- FINEARTS
- LAW
- COMMERCE
- CHEMISTRY
- PHYSICS
- FOOD AND NUTRITION

### Important Dates

**Last Date of Abstract Submission: November 30, 2023**  
**Last Date of Full Paper Submission: December 31, 2023**  
**Information Regarding Full Paper Review: January 10, 2024**  
**Last Date of Registration: January 20, 2024**

### Registration Fees

Student	Research Scholar	Academician	Industry	Attendee
INR 400	INR 400	INR 500	INR 1000	INR 400
USD 40	USD 40	USD 90	USD 100	USD 40

#### Chief Patron

Shri Purushotam Dasji Pasari  
Chancellor, SVVV

#### Patron

Dr. Upinder Dhar  
Vice Chancellor, SVVV

#### Chairpersons

Dr. K.N. Guruprasad  
Dean Faculty of Science &  
Agricultural Science, SVIS, SVVV, Indore

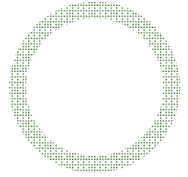
Dr. Ben Belinga  
Graduate Director-EM  
St. Cloud State University, USA

#### Organizing Secretary

Dr. Rishu Roy  
Professor, SVSM, SVVV



# SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA, INDORE



## **A Multi-disciplinary International Congress**

on

Innovations and Technological  
Interventions for Sustainability :  
Emerging Challenges

At SVVV Campus,  
Indore-Ujjain State Highway, Indore

E-mail: [sanmantrana@svvv.edu.in](mailto:sanmantrana@svvv.edu.in)

## ABOUT SHRI VAISHNAV TRUST

Year 1884 is a landmark year as the foundation stone was laid 138 years ago for Shri Vaishnav Group of Institutions by compassionate Cloth Merchants of Vaishnav cult of Indore, which was later reconstituted as Shri Vaishnav Sahayak Kapada Market Committee in the year 1934. Shri Vaishnav Vidyapeeth Trust believes in taking the Nation forward by improving the quality of life of its citizens by continuously working in the sphere of education, health and environment. It has been established to promote education and research in various disciplines through academic Institutions for the benefit of all sections of the society, but not with the motive of profit. Under the guidance of Shri Vaishnav Sahayak Kapada Market Committee, Shri Vaishnav Shekshanik Avam Parmarthik Nyas was established in the year 1981. Since then, Nyas has been working relentlessly for the upliftment of the society and country as a whole by providing better technical and professional education, health facilities, schools and other services. Shri Vaishnav Sahayak Kapada Market Committee is running University, Colleges, Schools and Institutes of Professional Studies and Research and also rendering social service.

## SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA, INDORE (INDIA)

Shri Vaishnav Vidyapeeth Vishwavidyalaya is a private university established under Madhya Pradesh Niji Vishwavidyalaya (Sthapana Avam Sanchalan) Adhiniyam in 2015 at Indore (India). The university has been established with a vision to be leader in shaping better future for mankind through quality education, training and research. It pursues the mission to make a difference in sustaining the growth of global societies by developing socially responsible citizens. Value based education being at the helm, the University promotes endurance, excellence, fairness, honesty and transparency as its core values. Some of the objectives of the university are as under:

- To provide teaching and training in higher education and make provision for research as well as advancement and dissemination of knowledge.
- To ensure world class quality in its offerings and create higher levels of intellectual abilities.
- To create centres of excellence for research and development for sharing knowledge and its applications.

The University is offering Undergraduate, Postgraduate, Dual Degree and Doctoral programs in various disciplines through the following constituent Institutions:

- Shri Vaishnav Institute of Technology and Science
- Shri Vaishnav Institute of Textile Technology
- Shri Vaishnav Institute of Architecture
- Shri Vaishnav Institute of Journalism and
- Shri Vaishnav Institute of Computer Applications
- Shri Vaishnav Institute of Fine Arts
- Shri Vaishnav Institute of Agriculture
- Shri Vaishnav Institute of Professional Studies
- Faculty of Doctoral Studies & Research
- Shri Vaishnav Institute of Paramedical Sciences
- Shri Vaishnav Institute of Information Technology
- Shri Vaishnav Institute of Forensic Science
- Shri Vaishnav School of Management
- Shri Vaishnav Institute of Science Mass Communication
- Shri Vaishnav Institute of Social Sciences, Humanities and Arts
- Shri Vaishnav Institute of Commerce
- Shri Vaishnav Institute of Home Science
- Shri Vaishnav Institute of Law
- Shri Vaishnav School of Law

### Besides these Institutions, the University has established following Centres

- Centre of Excellence in Plasma Research
- Centre of Excellence in Happiness Studies
- Centre of Vocational Studies
- Centre of Excellence in Sustainable Development

- Centre of Excellence in Simulation & Gaming
- Centre for Women's Studies
- Centre of Excellence in Data Science

## ST. CLOUD STATE UNIVERSITY, MINNESOTA (USA)

St. Cloud State University is one of the largest public universities in Minnesota with more than 15,000 students. The university is located about an hour northwest of Minneapolis, along the oak-crowned west bank of the Mississippi River. The 1 00-acre campus is between downtown St. Cloud and the Beaver Islands, a group of more than 30 islands that forms a natural maze for a two-mile stretch of the river. The St. Cloud metropolitan area is 24<sup>th</sup> on Forbes magazine's "Best Small Places for Businesses and Careers." St. Cloud State is ranked in Forbes magazine's "America's Top Colleges." St. Cloud State University is offering undergraduate and graduate programs in Science and Engineering, Management, Liberal Arts, Education, Public Affairs and Health Services. The university has an Integrated Science and Engineering Laboratory Facility (SELF) actively engaged in experimental learning and innovation. University offers research programs in all the branches and externally funded research projects are running in many branches.

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## INNOVATIONS AND TECHNOLOGICAL INTERVENTIONS FOR SUSTAINABILITY: EMERGING CHALLENGES

### SUB THEMES

#### AGRICULTURE

- Water management for a sustainable and productive agro-food sector
- Climate Change: Challenge for agricultural disaster and risk management
- Agricultural productivity and innovation
- Importance of sustainable agriculture
- Global value chain and agriculture
- Rural and Agricultural Journalism: A tool for farmers' empowerment
- Extension reforms from food security to nutritional security
- Breeding earthworms

- Hydroponic gardening
- Modern agricultural drones

#### ARCHITECTURE

- Sustainable architecture and design
- Digital architecture
- Innovative design
- Planning of smart cities
- Inclusive planning
- Blue green infrastructure
- Effect of minimalism in product design
- Sustainable materials for industrial design
- UI and UX design for gaming

## **CHEMISTRY AND ENVIRONMENTAL SCIENCE**

- Sustainable chemistry towards green approaches
- Computational chemistry
- Next generation applications of functional nano structured materials
- Chemistry and climate change
- Health and the environment

## **CIVIL ENGINEERING**

- Sustainable infrastructure development
- Revamping techniques in civil engineering
- Hydroponics, hydrodynamics and hydraulics
- Water and environmental engineering

## **COMMERCE**

- Digital Currency: A new Currency era
- Sustainable financial performance and accounting practices

## **CS/IT**

- Innovation in advanced computing
- Artificial Intelligence
- Information retrieval
- Database engineering and sustainability
- Innovation software engineering and information system
- Web 3.0
- Block Chain

## **EEE ENGINEERING**

- Sustainable Electric Vehicles
- Green Technologies
- Quantum Technologies and Computing
- Industrial Robotics and Advancements.
- Virtual Instrumentation.
- IoT and Sensor Networks
- Renewable and Sustainable Energy Sources.
- SmartGrids

## **FOOD AND NUTRITION**

- Food safety and public health
- Malnutrition and micro-nutrients supplementation
- Medical foods and nutraceutical
- Fitness, sports nutrition and kinesiology

## **FORENSIC SCIENCE**

- Technological interventions in forensic biological,

chemical and physical sciences

- Sustainable development in criminology and forensic psychology
- Innovations in digital and cyber forensics

## **JOURNALISM AND MASS COMMUNICATION**

- Effect of social media on society: Opportunities and challenges
- Digital privacy and cyber trolling
- Gender sensitization and sustainability
- Media technology and sustainability

## **LAW**

- Current trend and issues in Indian federalism
- Commercial Law: Opportunities and Challenges
- Ethics and international law

## **LIFE SCIENCES**

- Energy from biological sources
- Sustainability and crop yield
- Waste management

## **MANAGEMENT**

- Innovation in marketing analytics, business intelligence & automation
- Green consumerism
- Sustainable social marketing -- strategies and the way forward
- Customer satisfaction and relationship management in the circular economy
- HR-analytics for sustainable business
- Sustainable hr practices for organizational effectiveness
- Spirituality and religious practices in sustainable work culture
- Role of diversity & inclusivity in innovation
- Artificial Intelligence in hr
- Sustainable SCM solutions in businesses
- Lean manufacturing and sustainability
- Carbon deficit manufacturing for sustainable future
- Project financing for innovative startups.
- Transformation in financial market & services
- New investment and innovative practices in finance
- Financial Analytics : A new way of financial prediction

## MATHEMATICS

- Innovations through analysis
- Topology and sustainability
- Innovation in mathematical modelling
- Sustainability and fuzzy mathematics
- Innovations through computational mathematics

## MECHANICAL ENGINEERING

- Sustainable manufacturing systems and techniques
- Sustainable materials and processing
- Sustainable product design and development
- Sustainable supply chain and business models
- Renewable energy and sustainability
- Digital tool technology

## PHYSICS

- Innovations in plasma physics
- Sustainable materials
- Technical innovation in solid state physics

## ABSTRACT

An abstract of 150 words (Times New Roman Font -1 2) of the research papers to be presented in the conference has to be sent along with the registration fees. A soft copy of the abstract may be sent by E-mail to sanmantrana@svvv.edu.in. Acceptance of the abstract as oral/poster presentation will be conveyed after screening. Selected research papers of the registered participants will be published in ISBN book/ Journal. Paper will be published after plagiarism check with a limit of 10% only.

- Recent advancements in laser Physics

## SOCIAL SCIENCES, HUMANITIES AND ARTS

- Energy economics and sustainability
- Digital economy opportunities and challenges
- The idea of Bharat legacy and heritage
- Global cooperation in the era of disruption.
- Public administration and digitization
- Sustainability of the community binding in the digital era
- Emerging anthropology for development and social change
- Fostering sustainability through innovations in Fine Arts
- Technological interventions in Fine Arts

## TEXTILE TECHNOLOGY

- Innovative approaches in product development in Textiles
- Sustainable fashion

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### Conveners

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Dr. Namit Gupta

Ar. Vishal Yardi

Dr. Jigyasu Dubey

Dr. Anand Rajavat

Dr. Shrikant Pandey

Dr. Saurabh Jain

Dr. **V.R.** Sampath

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#### Science and Agriculture

Dr. Shishir Jain

Dr. Uttam Sharma

Dr. Ashutosh Shukla

Prof. Vinod Dhar

Dr. M. P. Goutam

Dr. Satish Shukla

Dr. Kavita Sharma

#### Management, Law, Social Sciences, Humanities, Arts, Journalism, Library Science, Commerce

Dr. Santosh Dhar

Dr. Anu Ukande

Dr. T.K. Mandal

Mr. Satish Patel

Dr. G.H.S. Naidu

Dr. Roopa Shinde

Registration fee may be sent as DD in favor of Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore or by bank transfer [NEFT/RTGS: Name of Bank- HDFC Bank Ltd. Branch-Cloth Market, Indore (M.P.), CMS Code: SH97VSHVVD, A/c No. 50100256398597, IFSC Code- HDFC0000281, MICR:452240003, SWIFT Code: HDFCINBBXXX]

**For Further Details or any Enquiry, Please call 7999623866, 8319035649**

### ABOUT INDORE

Indore is an important commercial centre of Madhya Pradesh. It boasts of well developed industrial areas like Dewas and Pithampur where major industrial houses have production facilities. Indore is the only city in India to house both, Indian Institute of Technology and Indian Institute of Management. Major IT giants such as TCS and Infosys have setup their new ventures at Super Corridor, which is new industrial area, developed by M.P. Government as IT and Medical Hub. Indore has been recognized as the cleanest city of India five times in a row and is also in the first 20 cities being developed as smart cities. Indore is well-connected by road, rail and air routes.

Organized by

**SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA, INDORE**

University Campus : Indore-Ujjain State Highway, Indore

