MPVS 2021

मध्यप्रदेश विज्ञान सम्मेलन एवं प्रदर्शनी

भारत के स्वतंत्रता का अमृत महोत्सव

विकसित प्रदेश • आत्मनिर्भर देश

DECEMBER 22 - 25, 2021 • IIT INDORE, (M.P.)

Madhya Pradesh Council Of Science & Technology

स्वतंत्रता का अमृत महोत्सव

Madhya Pradesh Vigyan Sammelan & Expo

(MPVS - 2021)

17 Conferences & 3 Conclaves

"Swatantrata Ka Amrit Mahotsav"

Indian Science and Scientist's Contributions in Swatantrata Sangram

Focal Theme

Collaborative Ecosystem of Traditional & Modern Science for Vikashit Pradesh - Aatmanirbhar Desh

December 22 - 25, 2021

IIT Indore, Madhya Pradesh

Visit us at: www.mpvs.in

Indian Institute of Technology Indore

In keeping with India's vision to become a world leader in Science and Technology and to usher in a new revolution, resulting in an unprecedented economic growth, Government of India reassessed the need of technical manpower and decided to set up eight new IITs. Six of them started functioning back from the academic year 2008-09. These were established at Hyderabad, Gandhinagar, Rajasthan, Ropar, Patna and Bhubaneswar. IIT Indore and IIT Mandi started functioning from July 2009.

IIT Indore focuses on research-oriented studies which puts the foundation for better tomorrow. Along with studies, IIT Indore also focuses on resolving social, economical, biological issues prevailing in the country. IIT Indore, ranked 13th in Engineering Category by National Institutional Ranking Framework (NIRF), Ministry of HRD (now Ministry of Education), Govt. of India, has seen phenomenal success in the first decade of its existence. The Institute has been leading in the number of citations and h-index amongst the second generation of IITs.

The Institute has world class research laboratories, infrastructure, and facilities. Apart from research and academic activities, the Institute has done phenomenal work in social outreach too.

www.iiti.ac.in

Vigyan Bharati (VIBHA)

India faces critical challenges as a nation in its march towards a welfare state. Considering the nature of the challenges which are so unique, only rapid strides in the sector of science and technology, in resonance with India's heritage can meet those challenges. In this context Vigyan Bharati, a science movement with swadeshi spirit has a greater role to play.

Swadeshi Science Movement was started in Indian Institute of Science, Bengaluru by a few eminent scientists under the guidance of Prof. K.I. Vasu. This movement gradually gained momentum and emerged as an organization with national presence. In 1991 (Oct 2020-21) at the Nagpur Meet, it was decided to launch the Swadeshi Science Movement at all India Level and named it Vigyan Bharati.

The foundation principle of VIBHA is made as a vibrant movement for the development of Swadeshi Sciences. As a dynamic Science Movement with a Swadeshi Spirit, interlinking traditional and modern sciences on the one hand, and natural and spiritual sciences on the other handAs a Swadeshi Movement with modern sciences adapted to national needs. Vigyan Bharati has units across the country and works in different areas through autonomous institutions and independent organizations & also as project entities.

www.vigyanbhartimp.in

M.P. Council of Science & Technology (MPCST), Govt. of MP

M.P. Council of Science & Technology was established under the MP Society Registration Act, 1973 in October 1981. The Apex Body of the Council is the General Body and the Chief Minister is the President of the General Body. There are 61 Members consisting of Ministers and Secretaries of different State Departments and Heads of the Departments of Water Resources, PHE, PWD, Forest, Agriculture, Industry and Technical Education. In addition, 4 Vice-chancellors from Universities, Eminent Scientists in Science, Sociology and Medical Sciences are nominated as Members by the President. Representatives from National Level Research Organizations are also nominated. The second important body is the Executive Committee and the Chairman is the Minister of Science & Technology Department. The Committee consists of 13 Members, consisting of MLA, Educationist, Scientist and Principal Secretaries etc.

www.mpcost.gov.in

Conference on

1. Science Policy and Administration
2. Indian Knowledge Systems
3. Agricultural, Agritech, Biodiversity, Conservation and Traditional Knowledge
4. Sustainable Habitat, Energy, Climate Change and Environment
5. Astronomy
6. Science Education Meet
7. Industry-academia and Career Opportunity
8. Invention, Innovation and Start-up
9. MP Vigyan Paryatan
10. Copyright, Trademark, and Intellectual Property Right
11. Traditional and Modern Healthcare
12. New Age Technologies
13. Global MP Scientists & Technocrats Meet
14. Gender issue in Science and Technology
15. Traditional Science and Technology in Higher Educational Institutes
16. Music and Science
17. Sports, Science and Technology

Conclave on

1. Renewable Energy
2. Fabless & Fab Semiconductor Ecosystem
3. MSME

Madhya Pradesh Vigyan Sammelan & Expo (MPVS - 2021)

Vision: "Self-Reliance Madhya Pradesh in Science and Technology"

Mission: Honorable Chief Minister of Madhya Pradesh, acknowledging the circumstances, has rightfully given a clarion call for 'Atmanirbhar Madhya Pradesh' under the umbrella of our Prime Minister; vision 'Atmanirbhar Bharat' – *a self-reliant India*. The role of Science and Technology are important for the overall prosperity of any developing economy. India being a developing country needs to make concerted efforts towards the goal of transforming itself into a developed nation.

The Madhya Pradesh Vigayan Sammelan & Expo **MPVS-2021** which is scheduled to be organized on December 22 - 25, 2021 in collaboration with Vignana Bharati and MP Council of Science and Technology at Indian Institute of Technology Indore will be a small step towards the contribution in Science and Technology of Madhya Pradesh as a Vikahit Pradesh for Atmanirbhar Desh.

On the eve of 'Swatantrata ka Amrit Mahotsav' the MPVS- 2021 is an opportunity to acknowledge the contribution of indian science and scientists in freedom struggle.

Objectives and Takeaways: MPVS-2021 is an umbrella of 17 different conferences and 3 conclaves in various areas of Science and Technology. The aim of this Sammelan is to bring artisans, academicians, scientists, researchers, innovators, technocrats, school children and industry practitioners together to exchange their traditional and modern science ideas to cherish the fruitful outcome of Sammelan.

The main objective of the MPVS-2021 is to promote the traditional and modern sciences of Madhya Pradesh among the common people to strengthen their lifestyle and economy.

The keynote and invited talks; paper and poster presentation; round table discussion for possible collaboration; science and technology exhibition; funding and mentor ship for entrepreneurs; career opportunities for talented minds.

Focal Theme:
"Collaborative Ecosystem of Traditional and Modern Sciences for Vikashit Pradesh - Aatmanirbhar Desh".

Conference on

1. Science Policy and Administration

State and national governments are working on war footing to find solutions for complex problems such as sustainability, health, quality of life, sanitation, poverty, etc. Focused scientific and technological interventions help policymakers to address these problems more effectively. Thus, Science Policy is a bridge that connects the government and the public. The Science Policy is concerned with the identification of priority areas considering local needs, allocation of resources for the conduct of science towards achieving these goals, and efficient administration for making sure that the fruits of these efforts reach the needy strata of the society. The session will include diverse topics including the funding of science, the careers of scientists, the identification of bottlenecks in creating a professional Scientific System, exploration of alternative administrative models, and the translation of scientific discoveries into technological innovation to promote a commercial product development, competitiveness, economic growth, and economic development, ensuring a developed Madhya Pradesh and Self-reliant India.

Convener:	Dr. Prashant Kodgire, *IIT Indore*
Co-convener:	Dr. Pankaj Sagdeo, *IIT Indore* Dr. Rakesh Kumar Arya, *MPCST, Govt. of MP* Dr. Ashok Sharma, *VIBHA,* Dr. Amit Uday, *VIBHA*

2. Indian Knowledge Systems

Description: India has a very rich scientific heritage. Much of the knowledge is in the forms of manuscripts, oral traditions, and practices handed pre-served by generations of scholars, artisans, and practitioners of traditional arts. This session will bring together experts from various Indian Knowledge Systems to promote awareness and generate interest in the students, scientists, and general public about the Indian Scientific Knowledge Systems. Experts with deep knowledge of the Indian Knowledge Systems will be sharing their insights and knowledge with the audience.

Dedicated sessions will showcase the works of various traditional Indian practices related to metallurgy, sustainable construction practices, water harvesting, agriculture and traditional medicine. A special session will be organized to discuss the relevance and importance of the Indian Knowledge Systems in the context of modern science and current challenges faced by the nation and the world.

Convener:	Dr. G.S. Murthy, *IIT Indore*
Co-convener:	Dr. Pritee Sharma, *IIT Indore* Dr. Rajesh Sharma, *MPCST,* Dr. M.M.P. Shrivastava, *VIBHA* Dr. K. Venkataraman , *VIBHA* Shri Shekhar Dishawal

3. Agricultural, Agritech, Biodiversity, Conservation and Traditional Knowledge:

Food security is the first expression of a self-reliant nation. Agriculture in India is at a crossroads where the need for maintaining food security while preserving the constrained natural resources requires innovative out of box thinking that blends the latest advances in engineering and sciences with traditional wisdom of India. This session will provide a platform for bringing together diverse stakeholders such as farmers, academia, research, industry, and policy makers to brainstorm on the current status and future directions of agriculture, technology and policy innovations in agricultural technologies, conservation practices, biodiversity preservation and ensuring ecosystem-services.

Convener:	Dr. Abhijeet Joshi, *IIT Indore*
Co-convener:	Dr. Bibekanada Maji *IIT Indore* Dr. G. D. Bairagi, *MPCST* Dr. Sunil Chaturvedi, *VIBHA* Dr. Sourabh Gupta, *VIBHA* Shri Santosh Patel, *VIBHA*

4. Sustainable Habitat, Energy, Climate Change & Environment:

Self-reliance and Energy are two faces of the same coin for sustainable growth and development of any country. In meeting the energy demands, the world is facing two major challenges: 'Energy Security' and 'Environmental Impact', and it has been widely accepted that the solution for both is "Sustainable Practices". The sustainable habitat, energy, climate change and environment meeting will therefore focus on sustainable practices, particularly from the point of view of the rural community. The scientific &technological developments in this domain will be discussed and deliberated which the state will need in the coming days to establish its footprint in the sustainable economy.

Convener:	Dr. Sandeep Chaudhary, *IIT Indore*
Co-convener:	Dr. Pritee Sharma, *IIT Indore* Dr. Sharad Gupta, *IIT Indore* Dr. Sakshi Bhardwaj, *VIBHA* Dr. Manoj Rathore, *MPCST* Dr. Amogh Gupta, *VIBHA* Dr. Manita Saxena, *VIBHA* Shri Rajeev Danwa, *VIBHA*

5. Astronomy:

Astronomy in Madhya Pradesh, especially Ujjain has its own history in Space Engineering & Technology, particularly time calculation in old age. The fusion of traditional and modern scientific knowledge will help us to strengthen Madhya Pradesh in Astronomy. The session will provide an opportunity to the participants to aware them of the rich history of Astronomy in Madhya Pradesh.

Convener:	Dr. Abhirup Dutta, *IIT Indore*
Co-convener:	Dr. Ranveer Singh, *IIT Indore* Dr. Bhupesh Saxena, *MPCST* Dr. Akhilesh Tiwari, *VIBHA* Dr. Rajesh Tailor, *VIBHA*

6. Science Education Meet:

Science is everywhere. Science Education is a prime tool for the development of any nation, and it will have more impact on the state like Madhya Pradesh to drive its economy in the coming years. The prime goal of Science Education Meet for Schools Students and Teachers is to make students and teachers familiar with the latest teaching-learning tools and resources relevant to India and MP. This meet will focus on how to encourage scientific inquiry and critical thinking among school children and the necessity to train our teachers accordingly. This meet will also cover the importance of ethics and moral values in school children for their bright future. Students and teachers will be informed of the fascinating professional career in frontier areas of Science & Technology.

Convener:	Dr. Harikrishna Yadav, *IIT Indore*
Co-convener:	Dr. Vinod Kumar, *IIT Indore* Dr. Rajesh Kumar, *IIT Indore* Dr. T. Habib, *MPCST* Dr. Rajneesh Trivedi, *VIBHA* Dr. Mukesh Nigam, *VIBHA* Dr. Ashish Joshi, *VIBHA* Shri Pankaj Nagar, *VIBHA*

7. Industry-Academia and Career Opportunity:

Efficient and regular interaction among Industry partners and academic organizations, and R&D Labs used to be the backbone of scientific and technological growth in developed countries. Unfortunately, in a country like India, it is lacking. The academic curriculum and the active participation of Industry partners in our teaching and research may boost the Indian Educational System and may lead the new economy globally. In this session, the participants will interact with renowned Industry and academic partners followed by a panel discussion. The session will also provide an opportunity to explore the career opportunity of our students.

Convener:	Dr. Abhishek Rajput, *IIT Indore*
Co-convener:	Dr. Chandresh Kumar Maurya *IIT Indore* Dr. Mukesh Kumar, *IIT Indore* Dr. P. K. Digharra, *MPCST* Shri Manish Shah, *VIBHA* Er. Ram Nath Narhole, *VIBHA* Er. Rohan Saksena, *ED, MPIRDC, Govt. of M.P.P*

8. Invention, Innovation and Start-up:

Invention, Innovation and Start-up Meet is intended to provide a common platform for Start-ups to showcase themselves and also interact with various stakeholders from policymakers to innovators, students and researchers. Several sessions are proposed to be organized as part of this session with themes ranging from – Enabling Start-up Ecosystem, Accelerating Technology Entrepreneurship, Propelling Ideation and

Incubation, and frugal innovation. The speakers and experts for these sessions will be from Start-up ecosystems. Experts from across the country from different domains are expected to participate.

Convener:	Dr. Avinash Sonawane, *IIT Indore*
Co-convener:	Dr. Swaminathan R. *IIT Indore* Dr. Saroj Bokil, *MPCST* Dr. Arpan Bhardwaj, *VIBHA* Er. Sahyog Tiwari, *VIBHA* Er. Rajesh Vishvakarma, *VIBHA*

9. Copyright, Trademark, and Intellectual Property Right:

Innovation is a constant source of growth and development for a knowledge economy. India has a rich heritage of scientific and technological inventions. In modern times, such inventions are protected using different means under the umbrella term of intellectual property rights (IPRs). India has made headways to create a TRIPS compliant, robust, and dynamic IPR regime. Apart from protecting recent technological inventions, the focus of policymakers is also to safeguard Indian traditional knowledge, arts, and local products for better commercialization opportunities.

During the sessions, we will create awareness among students and faculty members about the different types of IPRs. Next, we will examine and understand the role of IPRs in promoting technological growth in a country. A special session will focus on the ways through which IPRs can help in protecting the traditional knowledge while creating better marketing opportunities for local products.

Convener:	Dr. Ruchi Sharma, *IIT Indore*
Co-convener:	Dr. Ram Sajeevan Maurya, *IIT Indore* Dr. N.K. Choubey, *MPCST* Dr. Jitendra Bhawsar, *VIBHA*

10. MP Vigyan Paryatan:

Being situated in the center of the country, Madhya Pradesh is also called the "heart of India" or "heartland", which attracts tourists because of its several historical monuments, temples, forts, and palaces. Traveling to Madhya Pradesh will be nothing short of a dream for any tourist as there are several National Parks and Wildlife Centuries in which many endangered species of flora and fauna are also found. The state has three World Heritage Sites; Sanchi, Bhembetka and Khajuraho. The scientific approach for developing the above Paryatan sites will be of great importance in the modern age. The session will provide talks and discussion about our scientific driven old heritage site.

Convener:	Dr. Chelvam Venkatesh, *IIT Indore*
Co-convener:	Dr. Mrigendra Dubey, *IIT Indore* Dr. J.P. Shukla, *AMPRI Bhopal* Shri P.S. Bhalla, *MPCST* Dr. Pramod Sathia, *VIBHA* Dr. Raman Solanki, *Vikram University*

11. Traditional and Modern Healthcare:

Traditional Healthcare is an important and often underestimated health resource with many applications, especially in the prevention and management of lifestyle-related chronic diseases, and in meeting the health needs of ageing populations. However, in the recent past in traditional healthcare it was on highest priority at least in India to deal with the Covid-19 infections. Madhya Pradesh being a very rich state in Traditional Medicine Practices, the session will bring a platform to understand its value even in the modern era. However, the fusion of traditional and modern healthcare will set another important role in our lifestyle. In this session, the participants will interact with Ayurveda Doctors for Prakriti Parikshan (nature of a person). Furthermore, the session will be highly important to deal with the Modern Healthcare System in this era.

Convener:	Dr. Hem Chandra Jha, *IIT Indore*
Co-convener:	Dr. Amit Kumar, *IIT Indore* Dr. Parimal Kar *IIT Indore* Dr. Rajesh Sharma, *MPCST* Dr. Rajesh Sharma, *DAVV Indore* Dr. Prashant Tiwari, *VIBHA* Vd. Pragyan Tripathi, *VIBHA* Vd. Lokesh Joshi, *Arogya Bharti* Dr. PS Thakur, *MGM Indore* Dr. Arvind Ghanghoriya, *MGM Indore*

12. New Age Technologies:

The technological advancements have changed our everyday life. Quantum Computing, Cloud Computing, Robotics and Process Automation, Data Science, AR, MR & VR, AI, IoT and Smart Cities are some major facets of New Age Technologies. The New Age Technology Show will showcase technology development in the various cutting-edge areas.

Convener:	Prof. Ram Bilas Pachori, *IIT Indore*
Co-convener:	Dr. Somnath Dey, *IIT Indore* Dr. Ravi Sindal, *IET* Prof. Aprurv Gaikwad, *SGSITS Indore* Dr. R. K. Garg, *MPCST* Dr. Shivlal Mewada, *VIBHA* Prof. Umesh Singh, *Vikram Univ.* Dr. Abay Kumar, *DAVV* Er. Sanjeev Sharma, *VIBHA*

13. Global MP Scientists & Technocrats Meet

An eminent group of Madhya Pradesh based Indian Scientists and Technocrats would be invited for Brainstorming Sessions to know their view to Strengthen the Roadmap of "Atmanirbhar Madhya Pradesh". This meet will provide an opportunity to connect them so that they may contribute to MP's growth through exchange of knowledge, resources etc.

Convener:	Dr. Vaibhav Neema, *IET DAVV*
Co-convener:	Dr. Hamendra Singh Parmar, *DAVV Indore* Dr. Rajneesh Misra *IIT Indore* Dr. Pavan Kumar Kankar, *IIT Indore* Dr. Sunil Kumar Garg, *MPCST* Dr. Krishkant Dhakad, *SGSITS* Dr. Manoj Gupta, *Medanta Hospital*

14. Gender Issue in Science and Technology:

Gender issues in science and technology is a global concern and it is recognized as a drawback of gender imbalance in the growth of any country. One of the pillars for achieving self-reliance in science and technology in Madhya Pradesh would be to accelerate gender equality by including more women in science and technology. The session will provide an opportunity to the participants to discuss the gender issues in science and technology in Madhya Pradesh.

Convener:	Dr. Aruna Tiwari, *IIT Indore*
Co-convener:	Dr. Nirmala Menon, *IIT Indore* Dr. Anita Tilwari, *MPCST* Dr. Preeti Sharma, *VIBHA* Dr. Chitralekha Kadel, *VIBHA* Dr. Priya Trivedi, *VIBHA* Prof. Rekha Achrya, *DAVV Indore* Dr. Mona Gupta, *VIBHA*

15. Traditional Science and Technology in Higher Educational Institutes:

The growth and progress of any country and state depends on the progress in science and technology and its scientific values. It is our old and rich history to work and develop the scientific values in a multi disciplinary approach even in our traditional education system through Ayurveda, Yoga, Siddha, Archeology, Architecture etc. Higher Education is the top priority of the Madhya Pradesh Government. The traditional and modern knowledge in teaching in Madhya Pradesh used to be one of the oldest in the country. The session is expected to bring decision makers, policy makers, curriculum developers, academicians, start-up, Industry practitioners and institutional representatives who can discuss and suggest radical changes to streamline education in MP with the fusion of traditional education with modern education system.

Convener:	Dr. Rashmi Dahima, *DAVV Indore*
Co-convener:	Dr. Neelima Satyam *IIT Indore* Dr. Satya S. Bulusu, *IIT Indore* Dr. Vivek Katare, *MPCST* Prof. R. K. Tugnawat, *VIBHA* Dr. Pradeep Sharma, *VIBHA* Dr. DK Sharma, *Holkar Science Indore* Prof. Sudheer Jain, *Vikram University*

16. Music and Science:

The Indian music has its own values across the globe, and it is evident that the music has both an art and a science. It is high time to investigate the science behind the traditional and modern music. Music is based on mathematics and thus a fusion of Arts and Science. Classical Indian music has recognized which sound can do what, to a mathematical precision. The renowned scientist C. V. Raman was obsessed with the workings of Indian musical instruments like mridangam and tabla, leading to some seminal work in the area. So, in this session, the participants are expected to explore various aspects of science in music through various means.

Convener:	Dr. Girish C. Verma, *IIT Indore*
Co-convener:	Dr. Abhinay Singh, *IIT Indore* Shri D.K. Soni, *MPCST* Dr. Abhay Paliwal, *MG Medical College Indore* Dr. Shailendra Sharma, *VIBHA* Shri Anil Prajapathi, *VIBHA*

17. Sports Science and Technology:

Healthy mind lives in a healthy body. This concept may be more fruitful with the intervention of science and technology in sports, fitness, and health. The fusion of traditional and modern sports science may open a new era of industry vertical with ample job opportunities.

In this session, the participants will get an opportunity to interact with renowned researchers, Innovators, academic experts and Industry professionals. The invited talks, panel discussion and the showcase of traditional and modern science and technology based physical and mental fitness equipment/demonstrable prototype/product are expected to be highlights of the session.

Convener:	Dr. Tridib Kumar Sarma, *IIT Indore*
Co-convener:	Dr. Lalit Borana, *IIT Indore* Dr. Shaikh M. Mobin, *IIT Indore* Renchu T. *IIT Indore* Dr. Vikas Kaushik, *IIT Indore* Dr. Brajesh Dwivedi, *IIT Indore* Dr. Deepak Mehata, *DAVV Indore* Dr. Ashish Phulkar, *LNIPE, Gwalior* Dr. Vivek B. Sathe, *DAVV Indore* Dr. Alok Mishra, *BU* Dr. Nichal Yadav, *Vikram University* Shri Ghanshyam Parmar, *VIBHA*

Renewable Energy

Energy is having crtical relationships with the environment, sustainability, and human development. The growth of a common man is largely depending upon the energy resources availability, afford ability, and sustainability. Therefore, it is essential to think how will we meet rising energy demands? What are our options? Are there viable long-term solutions for the future?' The proposed energy conclave will provide an ideal platform for a forefront discussion and strategic planning to address these issues.

Focused Area: Current Trends in Renewable Energy and Its Future. Waste to Energy, Biofuels & Bioenergy. Solar & Wind Energy: Hybrid Renewable Energy: Energy Storage, Generation and Transmission, Energy Related Policy Matters etc.

You should Join if you are: Researcher and innovator from academia & industry. Looking for collaborative work. Professional of energy related businesses, commercial and manufacturing unit, Company providing renewable energy product and services, Government department and commercial unit, Associations societies, & professional bodies, Funding agencies & fund raisers. Decision and policy makers.

~ ACTIVITIES ~

Expert Lectures, Group Discussion, Collaborative Engagement, Product/Idea Demonstration

~ COORDINATORS ~

Dr. Ajay Kumar Kushwaha,
Dr. Sunil Kumar,
Dr. Srimanta Pakhira
IIT Indore

Fabless & Fab Semiconductor Ecosystem

For Self-Reliant India, Fabless and Fab Semiconductor Ecosystem are expected to play the major role to strengthen the country's economy in coming years. This sector has become a very strategic and has a tremendous economic impact. But India lags behind in semiconductor manufacturing compared to other countries across globe. Recently, country felt the needs to design and manufacture the critical and noncritical components and chips involved in storage and processing, and this is important for our national security. Further, the electronics and semiconductor requirements for various sectors is critical for the future of India's economy, but unfortunately, we are dependent on imports as of now. Further, the fabless semiconductor ecosystem in the country needs to be investigated timely for the growth of Indian economy. Hence, the conclave meets the need of the hours. The participants are expected to gain the entire spectrum to develop the Fabless and Fab Semiconductor Ecosystem in MP and India,

Who can Join: Professionals involved in fab and fabless initiatives in industry/ Government/ Scientists / Professors / Policymakers/ Researchers / Startups / Students / any individual interested in said area.

~ ACTIVITIES ~

Expert Lectures, Group Discussion, Collaborative Engagement, Product/Idea Demonstration

~ COORDINATORS ~

Dr. Santosh Kumar Vishvakarma,
Dr. Ajay Kumar Kushwaha,
Dr. Mukesh Kumar & Dr. Shaibal Mukherjee
IIT Indore

Micro, Small & Medium Enterprise (MSME)

Micro, Small and Medium Enterprise (MSME), introduced by Government of India in agreement with Micro, Small & Medium Enterprises Development (MSMED) Act, 2006 are entities engaged in the production, manufacturing, processing or preservation of goods and commodities. MSME sector is considered as the backbone of Indian economy that has contributed substantially in the socio-economic development of the nation. It generates employment opportunities and works in the development of backward and rural areas. So, it is the demand of time to organize such conclave in Madhya Pradesh also to empower the MSME sectors. The MSME conclave will provide an opportunity to delegates to discuss the various aspects of MSME Initiatives and strategic planning to address the MSME needs.

Who can Join: Professionals involved in MSME Sectors/ Government / Scientists / Professors / Policymakers / Researchers/ Students / any individual interested in MSME sectors.

~ ACTIVITIES ~

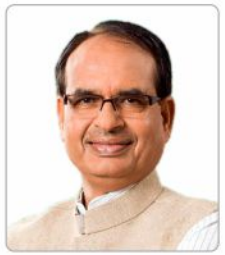
Expert Lectures, Group Discussion, Collaborative Engagement, Product/Idea Demonstration

~ COORDINATORS ~

Dr. Vimal Bhatia
Dr. Nagendra Kumar
Dr. Jayprakash Murugesan
IIT Indore

CHIEF PATRON

Smt. Sumitra Mahajan
Ex. Loksabha Speaker,
Govt. of India



Shri Shivraj Singh Chouhan
Hon'ble Chief Minister,
Madhya Pradesh

Shri Dharmendra Pradhan
Hon'ble Union Minister of Education,
Skill Development
& Entrepreneurship, Govt. of India

Dr. Jitendra Singh
Hon'ble Union Minister of State Science &
Technology and Earth Science, Govt. of India

PATRON

Shri Omprakash Sakhlecha Hon'ble Cabinet Minister for MSME, Science & Technology, Govt. of M.P.
Dr. Shankar Tatwawadi Patron, Vigyan Bharati
Dr. Vijay P. Bhatkar President, Vigyan Bharati
Prof. Neelesh Kumar Jain Director (Officiating), IIT Indore (M.P.)

MENTORS

Shri Jayant Sahasrabudhe National Organising Secretary, Vigyan Bharati
Prof. Sudhir S. Bhadauria National Secretary General, Vigyan Bharati
Shri Praveen Ramdas National Secretary, Vigyan Bharati

ADVISORY COMMITTEE

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Dr. Ravindra Kanhare Chairman, AFRC, (M.P.)
Prof. Akhilesh Pandey Vice Chancellor, Vikram University Ujjain, (M.P.)
Prof. Sunil Gupta Vice Chancellor, RGPV, Bhopal (M.P.)
Prof. Renu Jain Vice Chancellor, DAVV Indore
Prof. Tripta Thakur, Director General, National Power Training Institute, Faridabad, Hariyana
Prof. Rakesh Saxena Director, SGSITS Indore (M.P.)
Dr. N. P. Shukla National Executive Member, Vigyan Bharati
Prof. Pramod K. Verma Professor, Vikram University, Ujjain, (M.P.)
Prof. Sunita Shrama President, Vigyan Bharati, Mahakaushal Prant
Ar. Amogh Gupta President, Vigyan Bharati, Madhyabharat Prant

ORGANIZING SECRETARIES

Er. Prajatantra Gangele State Organising Secretary, Vigyan Bharati, Malwa Prant
Dr. Praveen Dhingra Senior Scientist, MPCST, Govt. of M.P.
Dr. Ajay Kumar Kushwaha Assistant Professor, IIT Indore

GENERAL ORGANIZING SECRETARIES

Dr. Santosh Kumar Vishvakarma Associate Professor, IIT Indore
Dr. Prashant Kodgire Associate Professor, IIT Indore
Dr. Rajesh Sharma Professor, DAVV Indore

SECRETARIES

Dr. Rajeev Dixit Director College Development Council, DAVV Indore
Dr. Rashmi Dahima Assistant Professor, DAVV Indore
Dr. Vaibhav Neema Assistant Professor, IET - DAVV Indore
Er. Manish Shah Vigyan Bharati, Malwa Prant
Shri Sanjay Kaurav Secretary, Vigyan Bharati, Madhyabharat Prant
Dr. Rajneesh Trivedi Secretary, Vigyan Bharati, Malwa Prant

MEMBERS

Dr. J. P. Shukla Sr. Scientist, CSIR-AMPRI, Bhopal
Dr. MMP Shrivastav Executive Member, Vigyan Bharati, Malwa Prant
Dr. K. Venketa Raman Executive Member, Vigyan Bharati, Malwa Prant
Dr. Pramod Sethiya Reginal Coordinator, VIBHA
Dr. Sonali Nargunde Assistant Professor, DAVV Indore
Dr. Chandan Gupta Professor, DAVV Indore
Er. Parag Agrawal Govt. Eng. Collage, Ujjain

Call for
Abstract & Technology

Researchers, Academicians, Students, Professionals and Individuals are invited to submit Abstract & Technology in the any of 17 Conferences and 3 Conclaves (but not limited to) them:

Important Dates:

- Abstract Submission: December 10, 2021
- Notification of Acceptance: December 13, 2021

Submission Instruction for Abstract:

Soft copies of abstract should be submitted in single column in PDF format through online submission process of MPVS-2021. The length of paper must not exceed one page of A4 size 210 x 297 mm, portrait. The font should be of "New Times Roman" and size would be 10. Authors of the accepted abstract will be informed by email. For the author presenting more than one paper, it is mandatory to register and present each paper separately. For submission details, please visit MPVS-2021 webpage http://www.mpvs.in.

Submission Instruction for Technology:

Technology can be submitted either in writing (1 page) or in the form of 5 minute video via email (madhyapradeshvs@gmail.com) Whatsapp No.: 88238 17777.

Those who are not able to write or send their idea over email, may submit their technology on whatsapp with Name, Address and Mobile Number. For submission details, please visit MPVS-2021 webpage http://www.mpvs.in.

Award and Recognition

- FIFTY ONE: The Best Paper Award (Abstract) of Rs. 1100/- & Certificate (3 in each Conference).
- ONE: Best Technology Award of Rs. 21,000/- and Certificate.
- TWO: Best Runnerup Technology Award of Rs. 11,000/- & Certificate.
- FIFTY TWO: Technology Award of Rs. 1100/- & Certificate (one for each district of MP).

Registration

The fee includes access to all MPVS-2021 Conferences & Conclaves. For accepted papers, at least one registration needs to be done in any category.

Category	Fee (Rs.)	Late Fee (Rs.)
Non-Academic and Non-Industry + Student up to 12th	FREE	FREE
Students (UG/PG/Ph.D)	250	350
Others (Faculty/Scientist/Industry/Postdoc)	500	700

Last Date of Registration: **December 10, 2021** (after that late fee will be applicable).

The participant needs to pay the Registration Fee on the following bank account, following the instructions given on MPVS-2021 webpage (http://www.mpvs.in/).

****Account Details:**

Name of the Bank	:	State Bank of India
Account Name	:	Malwa Vigyan Parishad
Account Number	:	3203 97 81 414
Account Type	:	Saving
Branch Name	:	Holkar Science College, Indore
IFSC Code	:	SBIN 0030 467College, Indore
IFSC Code	:	SBIN0030467

NAME: MALWA VIGYAN PARISHAD SAMITI
UPI ID: MALWAVPS@SBI
SCAN & PAY

Sponsorship

Expected Gathering & Outcome: More than 10000 footfall from Academia, R&D Organizations, Industries and Student Delegates, Government Officials, Startups across, Rural Technologist, Traditional Knowledge System Workers from various places of the MP is expected. So, it would be a golden platform to showcase your business/ product/ services; and the MPVS would turn out to be of mutual good.

*** Sponsorship Rates:**

Particulars	Amount (Rs.)
Silicon Sponsor	10,00,000/-
Platinum Sponsor	7,00,000/-
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Session Sponsor	1,00,000/-

* Taxes at actual and will be extra

** Sponsorship Amount can be transfered to above bank A/c

Sponsorship benefits details are available on MPVS-2021 webpage

MPVS - 2021 Expo

The MPVS - 2021 Expo will be held in hybrid mode during at IIT Indore on December 22 - 25, 2021. The Expo will be a unique platform and major attraction of Sammelan to provide the opportunity to the participants to exchange the ideas of traditional and modern science and technology.

In Expo various stalls of the Organizations such as Defence Research & Development Organisation (DRDO), Indian Space Research Organisation (ISRO), Universities/Institutes, IITs, NITs, IIITs, IISERs, Council of Scientific & Industrial Research (CSIR), Raja Ramanna Centre for Advanced Technology (RRCAT), Industries, Department of Science & Technology (DST), Department of Biotechnology (DBT), MPCST, various Startups and Innovator will be there.

Individuals or teams are also invited to showcase your ideas and innovations in Expo which will provide a platform:

- To showcase your traditional knowledge
- To demonstrate your technology
- To gain the mentor ship
- To gain recognition and award
- To get funding opportunity for the startup and innovation

Expo Rates:

The exhibit stall will be available where institute/organisation highlights/prototype / products and idea can be demonstrated in digital format.

- Rs 40,000/- per stall for Academia and Industry
- Free of cost for Non-academic and Non-Industry

Expo Visit:

You need to register using the link given on MPVS-2021 webpage **http://www.mpvs.in** without Registration Fee.

Those who are not able to register online for Expo, may register via whatsapp by sending their Name, Address and Mobile Number. For detail, please visit MPVS-2021 webpage **http://www.mpvs.in** or send email at: madhyapradeshvs@gmail.com, **Phone:** 0731 - 6605111, **Mob.:** 88238 17777

Dr. Thawar Chand Gehlot
Governor of Karnataka
Vigyan Yatra at Planetarium (Tara Mandal) Ujjain

Dr. Harshvardhan
Ex. Minister Health, Science and Technology, Govt. of India
Vigyan Yatra at CSIR-AMPRI Bhopal

Shri Om Prakash Saklecha
Minister of MSME, Science & Technology Govt. of M.P.
Vigyan Yatra at MPCST, Bhopal

Madhya Pradesh Vigyan Sammelan & Expo (MPVS - 2021)

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Vigyan Yatra at Saraswati Shishu Mandir, Suwasra, Mandsaur

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Vigyan Yatra at
Government PG College,
Morena

ITI to IIT: A Collaborative Ecosystem

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MPPC Board, Bhopal

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Mahatma Gandhi CGVV, Chitrakoot

Govt. Holkar Science College, Indore

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