



National Seminar

On



INNOVATIVE TECHNOLOGIES TOWARDS A SUSTAINABLE FUTURE

(NSITSF - 2025)
(Multi-disciplinary)

Approved by DGHE, Panchkula, Haryana

March 22, 2025



Organized by

Department of Physics

G.V.M. GIRLS COLLEGE, SONEPAT

Affiliated to Maharshi Dayanand University, Rohtak

Chief Patron

Dr. O.P. Pruthi (President)

Patron

Dr. Manjula Spah (Principal)

Convenor

Ms. Punita Batra

Coordinator

Dr. Sangeeta Singh

Organizing Secretaries

Ms. Kirti & Ms. Jyotsna Gaur

ABOUT THE COLLEGE

G.V.M. Girls College is a renowned educational institution located in Sonapat, Haryana, affiliated to M.D. University, Rohtak. Accredited with the prestigious NAAC 'A' Grade twice and honoured with the title of "College with Potential for Excellence", the college has established a reputation of adding value to education. Founded in 1987, the institution currently provides quality education to over 2000 girl students. The institution provides a diverse range of academic programs, comprising eleven undergraduate and seven postgraduate programs. We not only educate our students but also inculcate in them the core values like gender sensitization, human rights, integrity, tolerance which help them in their personal and professional growth. The institution has been actively promoting sustainability through solar energy, water harvesting, waste management, and other eco- friendly practices. Recognized for its energy conservation efforts. it won the National Energy Conservation Award 2019 and twice received the first prize at state-level. The institution continues to set benchmarks in environmental responsibility at both state and national level.

Department of Physics at GVMGC is a key contributor to academic excellence offering undergraduate and postgraduate programs. The department is committed to foster intellectual and academic growth, organizing various extracurricular activities and preparing students to become successful and responsible citizens. The Department fosters innovation and sustainability, with students winning multiple district and state-level awards for cost-effective models in science exhibitions.

ABOUT THE SEMINAR

Sustainable Development means the Development of a nation that manages its natural resources sustainably to meet the requirement of present generation and at the same time preserve for future generations. The three main pillars of sustainable development include economic development, environmental protection and social equality. In today's rapidly changing world sustainable development has become imperative. To achieve this, there is a dire need to address issues like environmental challenges, resource depletion and impact of climate change. The organization of one day National Seminar on 'Innovative Technologies towards a Sustainable Future' is the need of the hour.

The primary aim of such an event lies in the urgency to transition towards a sustainable future. Innovative technologies play a pivotal role in achieving this transition by offering solutions that minimize environmental harm and optimize resource usage.



Objectives of the Seminar

- ❖ To bring together experts, scholars and industrial leaders to collectively explore, discuss and promote sustainable technologies.
- ❖ To foster a deep understanding of the latest innovations in sustainable technologies like renewable energy solution, energy storing devices, sustainable agriculture and eco-friendly transportation to waste reduction.
- ❖ To facilitate knowledge exchange and collaboration among professionals from diverse sectors, thus encouraging interdisciplinary approaches to sustainability challenges.
- ❖ To inspire and educate the younger generation, emphasizing the significance of innovation in shaping a sustainable future.

Sub - Themes

- Clean Water and Water Management
- Battery and Fuel Cells
- Renewable Energy
- Electronics Applications
- Material Science
- Agricultural Development
- Green Infrastructures
- Technologies to Combat Climate Change
- AI Powered Resource Optimization
- Smart Grids
- Waste-to Energy Technologies

EMINENT SPEAKERS



Prof. A. S. Maan

Department of Physics & Dean Academic Affairs
Maharshi Dayanand University
Rohtak
(Chief Guest)



Prof. Anushree Malik

Chair Professor
Centre for Rural Development & Technology
IIT Delhi, New Delhi
(Keynote Speaker)



Prof. Rajesh Punia

Head, Department of Physics
Maharshi Dayanand University
Rohtak, Haryana



Mr. Vipul Arora

Global Head Sustainability
HCL Technologies



Dr. Vinod Kumar

Associate Professor
Head, Department of Physics
Netaji Subhash University of Technology
Dwarka, New Delhi

NATIONAL ADVISORY COMMITTEE

- Prof. H.K. Malik, Department of Physics, IIT Delhi, New Delhi
- Prof. Rajesh Dhankhar, Dean Life Sciences, Department of Environmental Sciences, M.D.U., Rohtak
- Dr. Rahul Taneja, Scientist, Department of Science & Technology, Government of Haryana
- Prof. Sapna Garg, Director ACIL, Department of Chemistry, M.D.U., Rohtak
- Prof. (Retd) Rajni Shukla, Former Chairperson, Department of Physics, DCRUST, Murthal, Sonipat
- Prof. A.K. Sharma, Chairperson, Department of Chemistry, DCRUST, Murthal, Sonipat
- Prof. Fakir Chand, Department of Physics, K.U., Kurukshetra
- Prof. S. Murugavel, Department of Physics and Astrophysics, D.U., New Delhi
- Prof. R. S. Kundu, Chairperson, Department of Physics, GJUS&T, Hisar
- Prof. Ashish Agarwal, Department of Physics, Director IQAC, GJUS&T, Hisar
- Prof. Sujata Sanghi, Department of Physics, Dean Physical Sciences, GJUS&T, Hisar
- Mr. Anil C. Mathur, Retd. Group Director, Space Application Centre, ISRO Ahmedabad
- Prof. Dharamvir Singh Ahlawat, Former Chairperson, Department of Physics, CDLU, Sirsa
- Dr Anupam Arora, Principal, S.D. (PG) College, Panipat

ORGANIZING TEAM

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Ms. Sonam Rai

Dr. Silki

Dr. Anshu Sharma

Dr. Tamanna

Dr. Renu Rani

Dr. Pragati Jamdagni

Ms. Meenu Sukhija

Dr. Monika Nirwal

TECHNICAL TEAM

Ms. Priti

Ms. Anshu

Ms. Parul Ailawadi

COLLEGE ADVISORY COMMITTEE

Ms. Rajni Katyal

Ms. Rohini Madan

Dr. Rashmi Jawa

Dr. Anita Saini

Ms. Sunita Dhawan

Mr. Rakesh Juneja

Dr. K.C. Nain

CALL FOR PAPERS

Papers describing original and unpublished work based on given sub-themes or any other topic related to theme are invited as per following guidelines and the accepted papers will be presented in the seminar by any one of the authors.

- It shall be the sole responsibility of the authors to submit the Plagiarism free abstract/full length paper.
- The abstract should not exceed 200 words and full length paper should be between 1500-2500 words.
- Abstract/full length paper must be typed in 12 font size, Times New Roman with 1.5 line spacing in MS-Word format, title in 14 font size.
- Email ID for Abstract/Paper submission is

itsf2025@gmail.com

REGISTRATION DETAILS

- Registration fee is as follows:

Faculty ₹ 500

Research Scholar ₹ 300

Student ₹ 200

- Name of Bank: State Bank of India

Bank Address: G.V.M. Girls College, Murthal Road, Sonipat

Bank Account Number: 51027792520

IFSC Code: SBIN0032453

- Note: No TA/DA will be provided to the participants.

- Submit the full length paper to itsf2025@gmail.com

IMPORTANT DATES

Last Date for Abstract submission March 14, 2025

Last Date for receipt of full-length paper March 18, 2025

Last Date of Registration March 20, 2025

For any queries, please feel free to contact: 9560708330, 9416427749

Registration Link: <https://forms.gle/SejJnwFx6oXGasDG9>

Scan the QR Code for location

