

**Programme Schedule**

**SPEEDS-2024**

**29<sup>th</sup> & 30<sup>th</sup> June, 2024**

## **SPEEDS-2024**

### **Programme Schedule for Inaugural Session**

Date : June 29, 2024

Venue : M.P. Hall

<b>09:30 A.M.</b>	<b>Registration</b>
10:30 A.M.	Tea
11:00 A.M.	Lighting of the Ceremonial Lamp & Goddess Saraswati Vandana.
11:10 A.M.	Welcome Address by Prof. (Dr.) Ashish Bhatnagar, Seminar Chair & Director, SMS, Lucknow.
11:20 A.M.	Address by Er. Satya Prakash, Chairman, The Institution of Engineers (India), UP State Centre, Lucknow.
11:30 A.M.	Address by Prof. (Dr.) Pramod Kumar Singh Seminar Convener, SMS Lucknow.
11:40 AM.	Keynote Address by Prof. (Dr.) P.K. Bharti, Head of ME, Integral University, Lucknow
12:00 Noon	Address by Guest of Honour Dr. C. M. Nautiyal, Consultant to Indian National Science Academy, New Delhi and former Scientist-in-charge, Radio Carbon Lab, BSIP, Lucknow.
12:20 P.M.	Address by Chief Guest, Prof. Sanjay Singh, Hon'ble Vice-Chancellor, Dr. Shakuntala Mishra National Rehabilitation University, Lucknow.
12:50 P.M.	Unveiling of Souvenir & Presentation of Mementos
12:55 P.M.	Vote of Thanks by Prof. (Dr.) Dharmendra Singh, Seminar Coordinator and Associate Director, SMS Lucknow.
01:05 P.M.	National Anthem.

### **Valedictory Session**

(June 30, 2024)

02:30 P.M.	Welcome of Guests by Prof. (Dr.) Ashish Bhatnagar, Seminar Chair and Director, SMS Lucknow.
02:40 P.M.	Address by Prof. (Dr.) Bharat Raj Singh, Seminar Co-Chair and DG (Tech.), SMS, Lucknow.
02:50 P.M.	Seminar Concluding Remarks (Summary) by Dr. Pramod Kumar Singh, Convener SPEEDS-2024 and DSW, SMS Lucknow.
03:05 P.M.	Address by Guest of Honour Prof.(Dr.) Usha Bajpai, Department of Physics University of Lucknow Lucknow
03:20 P.M.	Address by Chief Guest Prof. Jai Prakash Pandey, Vice-Chancellor, Dr. A. P. J. Abdul Kalam Technical University, Lucknow.
03:55 P.M.	Presentation of Mementos & Distribution of Certificates.
04:15 P.M.	Vote of Thanks by Prof. (Dr.) Hemant Kumar Singh, Seminar Organizing Secretary.
04:25 P.M.	National Anthem.
04:26 P.M.	High Tea

# PRESENTATION SCHEDULE SPEEDS-2024

(Day 1: 29/06/2024)

**Plenary Sessions-1**

**Multipurpose Hall**

(Time: 02:00 PM to 02:45 PM)

02:00 PM to 02:15 PM- Dr. Alok Kumar, Ex Dean and Director, Faculty of Management Studies, GNS University, Rohtas

02:15 PM to 02:30 PM- Dr. Balraj Singh, Associate Professor , Department of Electronics & Communication Engineering, BBAU, Lucknow

02:30 PM to 02:45 PM-Dr. PoojaSrivastava, Dept of Physics, Amity University Lucknow

## Technical Sessions

**Multipurpose Hall, LT – 1 & LT – 2**

(A) Technical Session –I (Multipurpose Hall)

Technical Session –II (Lecture Theatre-1)

Technical Session-III (Lecture Theatre-2)

Time: 2:50 PM to 04:05 PM	Technical Session-I	Session Chair – Dr. P. K. Bharti (Multipurpose Hall)	Technical Session-II	Session Chair – Dr. Alok Kumar (Lecture Theatre-1)	Technical Session-III	Session Chair – Dr. PoojaSrivastava (Lecture Theatre-2)
<b>1.Ensure access to affordable, reliable, sustainable, and modern energy for all</b>	T 1.1	Voice Controlled Robotic Vehicle- <b>AbhishekSrivastava, Harsh Chauhan, Ayush Singh, AnantPratapMaurya</b>	T 1.2	Transitioning to Sustainable Energy: A Comprehensive Review of Current Technologies and Future Directions- <b>Shruti Chandra</b>	T 1.3	A Comprehensive Study and Effect of Carbon Emission of Green House Gases (GHG) In India <b>Alok Kumar and AkashVarshney</b>
	T 1.4	Harnessing Green Chemistry for Environmental Sustainability: A Comprehensive Analysis <b>Garima Sharma, ChiragRawat, NishchayChaurasia, PranjalGairola</b>	T 1.5	India's Potential of Wind Energy and Prospects for Climate Change Mitigation <b>Bharat Raj Singh and Anoop Singh</b>	T 1.6	Design and characterize Biochar-LDH Nano composites for wastewater treatment. <b>Gokul T, RichaKhare, Hemant Kumar</b>
	T 1.7	Cluster Organic Frameworks: Pioneering Hydrogen Storage for a Sustainable Energy Future <b>Jaya Pandey</b>	T 1.8	Waste Steel Wire Aggregates in Paver Block: A Green Approach <b>Harsh Lakhmani, DivyaSrivastava</b>	T 1.9	Mechanical Engineer's Contribution in Reaching Sustainable Development Goals- <b>AkashaSrivastava, Anoop Kumar Singh</b>
	T 1.10	Design, Construction & Fabrication of A Solar & Wind Operating Hybrid Waste Bin for Smart Cities <b>HimanshuMinotra</b>	T 1.11	PAH sources, effect on environment and human health and its remediation <b>RichaKhare</b>	T 1.12	Enhanced Conversion Efficiency in CH <sub>3</sub> NH <sub>3</sub> GeI <sub>3</sub> based Perovskite Solar Cells through Simulation <b>Shikha Rani, K. C. Dubey, and R. K. Shukla</b>
	T 1.13	Environment Friendly EV Charger with Isolated HBC <b>Shikha Singh, Shubham Mishra and Pankaj Kumar Singh</b>	T 1.14	Analyze the Relationship between the Frequency and Energy of Photon <b>Manoj Kumar Singh and Bharat Raj Singh</b>	T 1.15	MWCNTs' Effects on the Emission Analysis of VCR Diesel Engines Fuelled by Blends of Diesel and Neem Biodiesel <b>Rohit Singh, Rajesh Kumar Porwal, &amp; Vijay Verma</b>

	T 1.16	Towards a Climate Justice and Equity <b>SujataSinha</b>	T 1.17	Innovative Solid Waste Management Strategies for Lucknow <b>Sanjeev Kumar Pandey, AshishPuri</b>	T 1.18	Degradation of Municipal Solid Waste by Cellulase <b>SmritiKhare</b>
	T 1.19	Inclusive Green Economy: Promoting Inclusive Growth While Reducing Environmental Risks <b>Dr. Shobhana Singh</b>	T 1.20	Hydrogen: A Conservative Energy Source <b>Warfa Fatima and PoojaSrivastava</b>	T 1.21	The Role of Low-Frequency Vibrations 50-120Hz in Enhancing Plant Growth and Health: A Review <b>Utkarsh Kumar sharma, DayaShanker, Shristhi Sharma, Anshikasingh</b>
	T 1.22	Advancing India's Energy Transition: The National Green Hydrogen Mission- <b>AnkurSrivastava and Rahul Singh</b>	T 1.23	Environmental Entrepreneurship : How Climate Capitalism Can Give a Lasting & Life-Giving Impact <b>AshishBhatnagar, RishitBhatnagar</b>	T 1.24	Green Chemistry for Sustainable Environment <b>Komalkumari and SangeetaBajpai</b>
	T 1.25	Protecting Environment by Self-Volunteering <b>SangeetaBajpai</b>	T 1.26	Interweaving Narratives of Nature: Literature, Culture, and Environmental Consciousness <b>Amrita Narayana</b>	T 1.27	Global threat from global warming and measures to avoid it <b>VibhaDwivedi</b>

**(Day 2: June30, 2024)**  
**Plenary Session-2**  
**Multipurpose Hall**  
**(Time: 11:00 AM to 11:30 AM)**

11:00 AM to 11:15 AM- Dr. Neeraj Gupta, Principal Solutions Consultant, Project Argus, Pte Ltd., Lucknow (U.P.), India

11:15 AM to 11:30 AM- Dr. VinayPathak, Assistant Professor at the Indian Institute of Information Technology, Sonapat, Haryana

**(Day 2: June30, 2024)**  
**Technical Sessions**

**Multipurpose Hall, LT – 1 & LT – 2**

**(B) Technical Session –IV(Multipurpose Hall)**

Technical Session –V (Lecture Theatre-1)

Technical Session-VI (Lecture Theatre-2)

<b>Time: 11:40 AM to 01:30 PM</b>	<b>Technical Session- IV</b>	<b>Session Chair – Dr. Neeraj Gupta (Multipurpose Hall)</b>	<b>Technical Session-V</b>	<b>Session Chair – Dr. VinayPathak (Lecture Theatre-1)</b>	<b>Technical Session-VI</b>	<b>Session Chair – Dr. Alok Kumar (Lecture Theatre-2)</b>
<b>2. Take urgent action to combat climate change and its/ 3. Life Below Water/ 4. Life on Land/ 5. Others</b>	T 2.1	Designing Water Management Systems for Climate Change Adaptation <b>Syed ShujaAskari, Dr.AshaKulshrestha</b>	T 2.2	Stabilisation of Soil by using Tiles waste with Sodium Hydroxide as Binder <b>AshishPuri, Sanjeev Kumar Pandey</b>	T 2.3	Soil Stabilization Using Ceramic Waste with NaOH as a Binder <b>AshishPuri, Sanjeev Kumar Pandey</b>
	T 2.4	Environmental Impact of Lithium-Ion Battery Disposal: Challenges, Risks, and Sustainable Solutions <b>Atul Kumar Tiwari, Shivam Singh</b>	T 2.5	Urgent Action to Combat Climate- A Comprehensive Analysis <b>TanviArora, Uttakarsh Kumar Pachauri, Md. Kasif Azad, KhushbooGoyal</b>	T 2.6	Understanding the Environmental Impact of Mechanical Industries: Challenges, Strategies, and Solutions <b>Gaurav Kumar Ojha, PuneetVerma</b>
	T 2.7	"Leveraging Big Data and Artificial Intelligence for Advancing Climate Justice: Opportunities, Challenges, and Ethical Considerations" <b>Niyati Gaur, Divya Mishra</b>	T 2.8	Noble Control of DC Microgrid having Multiple Renewable for Fast Charging of Electric Vehicles <b>SarveshAnand&amp;Amar jeet Singh</b>	T 2.9	Evaluating the Economic and Environmental Impacts of Zero-Waste Programs in India: A Comprehensive Analysis of Sustainable Urban Waste Management <b>Rajesh Bharti</b>
	T 2.10	Assessing Environmental Pollution from Construction Activities: Impacts and Mitigation Strategies <b>Pankaj Kumar Yadav, Abhishek Singh</b>	T 2.11	"The Impact of Emerging Technologies on Climate Change and Environmental Sustainability" <b>Divya Mishra, Niyati Gaur</b>	T 2.12	Towards climate justice: Balancing Renewable Energy Solution and Equity in Global Climate Action <b>Massrat Noor Khan</b>
	T 3.1	Impact of Heavy Metals on Aquatic Life <b>Anjali Singh, SmritiKhare, RichaKhare</b>	T 3.2	Key Impacts of Iron Presence on Wastewater Treatment Through Subsurface Flow Constructed Wetlands: Critical Review <b>Mohammad Baquir, Syed ShujaAskari, SohailAyub</b>	T 3.3	Utilizing AI and Data Analytics to Monitor and Analyze the Age, Health, and Texture of Coral Reefs and Sea grass Beds by Geographical Location and Depth <b>Ayushi Patel, Divya Mishra Singh</b>
	T 3.4	Photovoltaic thermal (PVT) technology combined with greenhouse technology for Aquaculture <b>ManjuBhardwa, Shikha</b>	T 4.1	Environmental Sustainability and Animal Farming: Analyzing the Impact and Mitigation Strategies <b>Ashok Sengupta</b>	T 4.2	<b>Role of Technology as a Solution for Disaster Management and Risk Reduction</b> <b>Niharika Singh</b>

T 4.3	Life on Earth—A Review <b>DrAshaKulshrestha</b>	T 4.4	Trend Analysis of Ambient Noise Level in Lucknow City <b>LaljiVerma, Sh. RunaOraon, Rajeev Kumar Singh</b>	T 4.5	Application of Solar Power in Agricultural Utility <b>Ayush Kumar Rai, Ujjwal Singh, Ashok Sengupta</b>
T 5.1	A Review of Task Scheduling in Cloud Environment for IoT Applications <b>Amritesh Singh</b>	T 5.2	Partial Replacement with Steel Wire Aggregates in Paver Block: A Green Approach <b>Harsh Lakhmani, DivyaSrivastava</b>	T 5.3	Plasmon Frequency Influence At the Surface of Carbon Atoms in a Carbon Nanotube under D.C. Magnetic Field <b>DayaShanker, Utkarsh Kumar Sharma</b>
T 5.4	Biodiesel Production: An Agricultural and Environmental aspect in India <b>Ved Kumar, Sudhaker Dixit</b>	T 5.5	RFID based Smart Electronic Voting Machine <b>Anjali Tiwari, AnkitYadav, Omkar Singh, AnshuKhare</b>	T 5.6	Fragrance Compounds and Its Immediate Effect on the Environment: An Overview <b>Pushpanjali Singh</b>
T 5.7	Thermoacoustical Studies in Binary Liquid Mixtures of Poly (propylene glycol) monobutyl ether340 (PPGMBE340) with Toluene, Benzene and Benzyl alcohol at Three Temperatures <b>Laxmi Kumari, Anod Kumar Singh, Ved Kumar and P. K. Singh</b>	T 5.8	Analysis of a Spatio-Temporal Leslie-Gower Predator-Prey Model With Weak Allee Effect In The Presence Of Nonlinear Harvesting <b>Manoj Kumar Singh</b>	T 5.9	Metamaterials: Significant Step towards Sustainability <b>Ritu Singh</b>
T 5.10	Synthesis of Polymers from Sugarcane Bagasse <b>Shivangi Singh, SmritiKhare, RichaKhare</b>	T 5.11	MISSING WOMEN” in Indian Sub National Government: An Empirical Analysis <b>RoliRaghuvanshi, Tanushree Sharma</b>	T 5.12	Optimizing Performance and Resource Allocation: A Comprehensive Review of Cloud Load Balancing Techniques <b>Dr. Hemant Kumar Singh</b>
T 5.13	Optimization Technique Used For Solar Dryers with Thermal Storage Using Taguchi Method <b>Sanjay Gautam&amp; Krishna Kant Kanaujia</b>	T 5.14	Comparative Analysis of Deep Learning Models for Protein Structure Prediction <b>Sunit Kumar Mishra, UmeshPratap Singh, Niyati Gaur</b>	T 5.15	Polymers Degradation and Its Environmental Impact <b>Umme Hani and RichaKhare</b>
T 5.16	Mitigating E-waste in the Age of Artificial Intelligence <b>UmeshPratap Singh</b>	T 5.17	Anti Termite Treatment in Buildings <b>Mr. Urojshameem, DrAshaKulshrestha</b>	T 5.18	Review of Research Papers based on “Impact of Climate Change on Employees Productivity” <b>Mamta Sharma, Neerja Dixit, Asad Kareem Usmani and Ashok Sen Gupta</b>
T 5.19	Smart Shopping Trolley <b>RohitYadav, Shiva Upadhyay, Shivanshu Mishra, Ravi</b>	T 5.20	Similarity Solution for a Cylindrical Shockwave with Radiation Energy And Material Pressure In Magnetohydrodynamic (MHD) Gas Dynamics. <b>Ajai Singh Yadav</b>	T 5.21	Studies on Molecular Association In Binary Liquid Mixtures of Poly (Propylene glycol) monobutyl Ether 340 (PPGMBE 340) with toluene, benzene and benzyl alcohol for density, viscosity and refractive index data at 293.15, 303.15 and 313.15 K <b>Anod Kumar Singh, Laxmi Kumari and P.K.Singh</b>
T 5.22	Optimizing the Mechanical Properties of Hydroxyapatite Prepared by Sol-Gel Method <b>Ravi Kumar Pandey, R. K. Shukla</b>				