

# National Workshop

on

“Waste to wealth-Recent Trends and Technological advancement in Treatment of waste water”

17<sup>th</sup>-22<sup>th</sup> July, 2023

Sponsored by



सत्यमेव जयते

Ministry of Science And Technology



Science & Engineering Research Board (SERB)

Department of Science & Technology (DST)

Government of India

Organized by



**IPS Academy**

**Institute of Engineering & Science**

(A UGC Autonomous Institute, affiliated to RGPV Bhopal)

**Civil Engineering Department**

Indore-452012 (M.P) India

## **ABOUT SERB,INDIA**

The Science and Engineering Research Board (SERB) is a statutory body established through an Act of Parliament. Supporting basic research in emerging areas of Science & Engineering are the primary and distinctive mandate of the Board. The Board structure, with both financial and administrative powers vested in the Board, would enable quicker decisions on research issues, greatly improving thereby our responsiveness to the genuine needs of the research, scientists and the science & technology system.

## **ABOUT IPS ACADEMY, INSTITUTE OF ENGINEERING & SCIENCE**

IPS Academy, Institute of Engineering & Science, Indore is one of the leading self- financing NAAC accredited institutions devoted to imparting quality engineering education with the sole motto of “Knowledge, Skill & Values”. Institute established after securing approval of AICTE, New Delhi and Govt. of MP from academic session 1999-2000. Institute of Engineering & Science is a UGC autonomous institute affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal. Institute has ranked four-star rating in IIC in CRO zone and also, ranked 38th among the top 170 engineering college in India as per Times of India survey. It offers UG and PG programs in Chemical, Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Fire Technology & Safety, Agricultural, Computer Science & Engineering, Computer Science and Information Technology, Data Science, Internet of Things, Artificial Intelligence & Machine Learning, Regional Language, CSE IOT, Cyber Security & Block Chain Technology. Furthermore, UG programs have been accredited by National Board of Accreditation, New Delhi. Indore is a commercial capital of M.P. Ministry of Housing and Urban Development has been affirmed cleanest city of India under the aegis of Swachh Bharat Sarvekshan since last six year consecutively. Indore has been selected as one of the 100 Indian cities to be developed as a smart city under the Smart Cities Mission.

## **ABOUT CIVIL ENGINEERING DEPARTMENT**

The Department was established in 2004. The Department is fully equipped with modern facilities. The Deptt. has grown tremendously over the years and is now recognized as one of the major engineering departments in the country. The Deptt. has developed strong links with the building and construction industry and academic and research, both within and outside the country. The Deptt. is equipped with more than 10 laboratories including the state of the art laboratories with international collaborations and computer centre for R&D, training & consultancy. Besides high quality teaching and instruction at both UG and PG levels, the Deptt. is actively involved in basic and applied research and consultancy and provides high quality technical advisory support through various R&D projects and consultancy to various organizations. The Deptt. of Civil Engg. with its multifaceted faculty continues to maintain and cultivate its strong links with the infrastructural industry, academic and research institutions both within and outside the country.

## **COURSE CONTEXT**

- Urban and industrial wastewater treatment and conservation including reuse and recycle.
- Status, Challenges, issues and solution in India regarding waste water treatment
- Law, policy options and standards for wastewater treatment, decentralized approaches.
- Constructed Wetlands, Sanitation planning in urban & peri-urban areas.
- Planning, designing, monitoring of wastewater treatment systems & technologies including advanced treatment options.
- Exposure to wastewater treatment and mgmt. in industries, Trends & Technology.
- Study of opportunities in industrial wastewater treatment and its reuse applications
- Issues & challenges with Common Effluent Treatment Plants, waste water collection systems for sewage & effluent within country.
- Sampling & Performance Evaluation of Sewage Treatment Plant.

## BENEFIT TO PARTICIPANTS

This course will address emerging and advance technologies in the context of waste water treatment and invite research scholars and practitioners to planning, designing, sampling and monitoring how to treat waste water. In addition, the course is beneficial to identify Issues and challenges with waste water treatment plants. The workshop course will boost the theoretical and practical exposure to participants on wastewater treatment for industrial and sewage wastewater management including reuse and recycle. We are bringing together field and industry experts, scientists and academician who are working in this field. The benefit of this course is to build capacity and create awareness among regulators, developers, consultants, NGOs, students and academics to understand wastewater treatment process, technologies and affordable treatment options. The understanding of proposed theme will absolutely help us in socio-economic infrastructural development.



**[View, IPS Academy Institute of Engineering and Science, Indore in Google Maps.](#)**

## HOTELS NEAR IPS ACADEMY

### Hotel Bee Town

(Distance 1.1 km from campus)

Address: AB Road, Near IPS College Rajendra Nagar, Hukma Khedi, Indore, Madhya Pradesh 452014

### Hotel Malwa Inn

(Distance 2.9 km from campus)

4-5 Adarsh Nagar, AB Rd, Near IPS College, Rajendra Nagar Indore, Madhya Pradesh 452012

### Punyah Hotel & Resort

(Distance 4.5 km from campus)

MR44+6FP, CAT Road opposite Treasure Fantasy, Rau, Indore, Madhya Pradesh 453331

## ELIGIBILITY

- The workshop is open to Industry persons and Faculty members (regular/ ad-hoc/ temporary)/ Research Scholars/ UG or PG students from any Indian university/ college.
- All the participants are requested to register online by visiting <https://ies.ipsacademy.org> on or before **July 5<sup>th</sup>, 2023** or by browsing the link given in the registration details below.
- Registration for all the participants is mandatory.

## REGISTRATION PROCESS

Participants will fill up the online application form given in the registration link below with all required details and upload the registration form duly signed. Late applications will not be entertained.

**The final date of submission is July 10<sup>th</sup>, 2023.**

## ADDRESS FOR CORRESPONDENCE

IPS Academy, Institute of Engg. & Science, Indore (A UGC Autonomous Institute, affiliated to RGPV Bhopal M.P),

Knowledge Village, Rajendra Nagar, A.B. Road, Indore-452012 (MP)

### Civil Engineering Department

Prof. Amit Sharma,

Head of Department, Civil Engineering.

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Office: 0731-4014607

**Website: [www.ies.ipsacademy.org](http://www.ies.ipsacademy.org)**

## EMINENT SPEAKERS

**Dr. Ratnakumar  
Mudliar**



Director of Indian  
Environment Consultancy &  
Research Services (IECRS),  
Nagpur

**Dr.Santosh Yadav**



Counsellor, CII-ITC Centre  
of Excellence for  
Sustainable Development,  
New Delhi

**Dr. Ashootosh Mandpe**



Assistant Professor,  
CED, IIT Indore

**Mr. Priyanshu Kumath**



Founder & CEO, Clean  
Water Sustainable  
Technologies, (Indore)

**Mr. Kamlesh  
Bhatnagar**



Technical Officer at  
Madhya Pradesh Urban  
Development company  
Ltd. (Gov of M.P.)

**Mr.Saurabh Sakhre**



CSIR-NIIST, Scientist  
Thiruvananthapuram,  
Kerala

**Dr. Mayur Shirish Jain**



Assistant Professor,  
CED, IIT Indore

**Ms.Divyashree  
S**



Senior Project Engineer  
at CDD Society  
(Consortium for  
DEWATS Dissemination  
Society) Bangalore

**Dr.Nitin  
Goyal**



Principal Scientist and  
Head, Research and  
Innovation Centre  
CSIR-NEERI, Mumbai

**Dr. Lokendra Singh  
Thakur**



Associate Professor, Dept.  
of Chem. Engineering,  
UEC

**Mr.Harshit Shrma**



Managing Partner, MLK  
Waste Management  
(Bhopal)

**Dr. S.M. Narulkar**



Professor, Deptt. of Civil  
Engg. & App. Mech.,  
S.G.S.I.T.S., Indore,

**Chief Patron**

Ar. Achal K. Choudhary  
President, IPS Academy, Indore

**Patron**

Dr.A.G.Kothari  
Advisor, IPS Academy  
Institute of Engg.& Sc.

**Patron & Convener**

Dr.Archana Keerti Chowdhary  
Principal, IPS Academy  
Institute of Engg.& Sc.

**Advisory Committee**

Dr. Ratnakumar Mudliar, Director of IECRS, Nagpur  
Dr.Nitin Goyal, Principal Scientist and Head, Research and Innovation Centre, CSIR-NEERI, Mumbai  
Scientist Saurabh Sakhre, CSIR-NIIST, Scientist Thiruvananthapuram, Kerela  
Dr. Nitin Joshi, Assistant Professor, IIT Jammu  
Dr.S.M. Narulkar, Professor, Deptt. of Civil Engg. & App. Mech., S.G.S.I.T.S., Indore  
Dr. O.P. Bhatia, Retd. Prof., SGSITS, Indore  
Dr. A.N. Patel, Retd, Prof., SGSITS, Indore  
Dr. D.S Ramteke, Retd. Sr. Scientist & Head, EIRA Division, NEERI, Nagpur, Maharashtra  
Prof. J.K. Srivastava UEC Ujjain

**Organizing Committee**

Dr. Keerti K Chowdhary  
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Mrs.Pallavi Gupta  
Mr.Neeraj Mishra  
Mr.Harshit Jain  
Mr.Praveen Dewra

Registration: <https://forms.gle/2Fp7Wbie55XWhD6R7>

**No Registration Fee.**

**Co-Convener**

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