

**One day online workshop on
“Source Apportionment Studies for Mitigation of Air Pollution”**

1. Objective of the Workshop:

- i. To explain the concepts of Source Apportionment and its wide application in Air Pollution Studies.
- ii. To explore the potentiality of various types of receptor model to reveal about the source of air pollution.
- iii. To develop a better understanding regarding best practices adapted for specific source identification problem of air pollution.

2. Flyer of the Workshop

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to R.G.P.V. Bhopal)

**Department of Civil Engineering
Organizing
One day online workshop
On
“Source apportionment studies
for mitigation of Air Pollution”**

Air pollution defined as “The presence of contaminant or pollutant substances in the air at a concentration that interferes with human health or welfare or produces other harmful environmental effects”

Online workshop topics:

- Air pollution types, sources, impact and its management programme.
- Road-map of conducting source apportionment studies of Particulate matters of a city.
- Quality control & assessment and uncertainty analysis during sampling and analysis of air pollution.
- Data analysis of air pollution using related softwares.
- Applications of machine learning in air pollution modeling.
- Hand-on training of EPA-PMF and EPA-CMB receptor model for source characterization.

This Online workshop included:

- Interactive online lecture by experts from IITs/NITs/other reputed institutes, govt. organizations and expert from industries.
- New insight towards the solution of air pollution problem.
- Discussion platform to interact with experts.

We are cordially invited to join the workshop

- Professionals involved in consultancy.
- Faculty members of engineering institutes.
- Students pursuing their Post-graduation & PhD in the relevant field.

NOTE:-

- All participant should be registerd themselves through google form.
- No fees applicable at any stage of workshop.
- E-certificate will be provided to all participants.

Contact Details:

Dr. M. K. Trivedi (Professor), Prof. A. K. Saxena (Asso. Prof.), Mr. Jay Singh Rajput (Research Scholar),	Coordinator, Organizing Secretary, Student coordinator,	Mob. No. +91-9893009680 Mob. No. +91-9425341422 Mob. No. +91-8109228570	E-Mail:- mano trivedi@mitsgwalior.in E-Mail:- aksaxena@mitsgwalior.in E-Mail:- jayrajput404@gmail.com
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Civil Engineering Department

3. Brochure of the Workshop:

ONE DAY ONLINE NATIONAL WORKSHOP ON SOURCE APPORTIONMENT STUDIES FOR THE MITIGATION OF AIR POLLUTION (Under TEQIP-III) (13th Sep. 2020)

About the Institute

Madhav Institute of Technology & Science (MITS) was established in 1973 by His Highness Late Sir Jawaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior. The foundation stone of the institute was laid by Late Dr. Rajendra Prasad on 20th October 1956 and the building was inaugurated by Late Dr. S. Radhakrishnan on 11th December, 1964. The Institute offers education in eleven undergraduate programmes, eighteen PG programmes and has a QIP centre for Ph.D. The prime objective of the Institute is to provide quality education in Engineering and Technology and to conquer this venture.

REGISTERED YOURSELF :-
<https://forms.gle/23WCLLNWMD1Dso9>

Organizing Committee

Patron: Dr. Ramesh Agrawal
Chairman: Dr. R. K. Purohit
Co-Chairman: Dr. M. K. Trivedi
Coordinator: Prof. A. K. Saxena

Organizing Committee: Prof. Deepak Rastogi
 Prof. A. K. Agrawal
 Mr. Jay Singh Rajput
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 Mr. Kamal Chandra
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NOTE:-

- No fees is required at any stage of online workshop.
- E-Certificate will be provided to all active participants.
- WhatsApp group will be used for communication purpose.
- Google meet app will be used for conducting online workshop.

About Speakers

1. Dr. Mukesh Khare (Professor, IIT-Delhi)
 Professor Mukesh Khare is the Fellow of Institution of Engineers, India and Fellow of Wessex Institute of Great Britain. He is a Chartered Engineer and was born in Varanasi, India. He obtained his Ph.D. degree in Faculty of Engineering from Newcastle University, UK and has managed a range of environmental projects throughout his professional career. With a specialization in air quality modelling, Prof. Khare's experience has covered research and development studies, teaching, consulting, modelling, editorial activities. In addition, Prof. Khare has authored more than 150 research publications primarily for peer reviewed journals and conference proceedings. He has two sons and lives and work in Indian Institute of Technology Delhi, India. He has received various grants in the field of Environmental Engineering. He has also collaborated with:

- École de Mines, Nantes, France (Prof. Michele Pavagnan)
- Harvard University, Cambridge, USA (Prof. Peter Rodgers)
- École Nationale des Ponts (Paris), France (Prof. S. Medvedev)
- University of West Indies, Trinidad & Tobago (Prof. S. Sankar) and many, many, etc.

2. Dr. K. V. George (Sr. Principle Scientist)
 Dr. K. V. George earned his Ph.D. from IIT-Delhi. Currently, he is working as Sr. Principle Scientist & Head, Air Pollution Control Division, CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur. He has work experience of more than 29 years in range of environmental projects throughout his professional career. He was associated with following activities:

- Worked for cleaning studies of Union Carbide India Limited (UCIL), Bhopal after the MIC gas accident;
- Carried out EIA studies for Chemical Industry, Thermal Power Plant, Cement Plant, Refinery and Fertilizer plant;
- Conducted source apportionment modelling studies using tools like ISC3TI, AERMOD and CALPUFF for different industrial clusters;
- Worked on source apportionment study for industrial, urban and coal mine area;
- Worked on National Green Tribunal (NGT) instructed study of Coal gasifier in Ceramic Industries of Moabi, Gujarat;
- He was a member of Indian Atmospheric Expedition in 2000 for research work at MATRIS Station;

3. Dr. Asha Lalwani (Sr. Scientist, NEERI)
 Dr. Asha Lalwani earned her Ph.D. in Statistics from RTM Nagpur University, Nagpur. Currently, she is working as Sr. Scientist, Air Pollution Control Division, CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur. She was associated with following work domain:

- Application of statistical techniques to understand environmental problems;
- Handling R&D projects related to nonlinear analysis and modeling of air pollutant concentrations;
- Handling consultancy projects related to source apportionment of particulate matter in urban sites;
- Satellite data retrieval and validation using advanced algorithms;
- Development of statistical models to forecast the air pollution levels in advance;
- Application of chaos theory to study the persistence property and complexity in air quality data;
- Publication: 37 papers in international SCI journals, 2 chapters in books and 22 papers in conferences and national journals.

4. Schedule of the Workshop:

Itinerary of Online Workshop on "Source Apportionment Studies for the Mitigation of Air Pollution"

Organized by
 Department of Civil Engineering
 Madhav Institute of Technology & Science, Gwalior (M.P.)

S.No.	Programme	Time	Duration	Speaker
1.	Welcome Speech	10:30 AM	3 Min.	Dr. M. K. Trivedi (HCED)
2.	Information about programme	10:33 AM	5 Min.	Prof. A. K. Saxena (Coordinator)
3.	Brief introduction of expert 1	10:38 AM	2 Min.	Prof. A.K. Agrawal (MoOC)
4.	Lecture 1	10:40 AM	60 Min.	Dr. Mukesh Khare (IIT-Delhi)
5.	Query/Discussion	11:40 AM	10 Min.	
6.	Reporting	11:50 AM	5 Min.	Prof. Deepak Rastogi (MoOC)
7.	Brief introduction of expert 2	11:55 AM	5 Min.	Prof. A. K. Saxena
8.	Lecture 2	12:00 PM	60 Min.	Dr. K. V. George (NEERI)
9.	Query/Discussion	01:00 PM	10 Min.	
10.	Reporting	01:10 PM	5 Min.	Prof. Deepak Rastogi (MoOC)
11.	Lunch Break	01:15 PM	75 Min.	
12.	Brief introduction of expert 3	02:30 PM	5 Min.	Prof. A. K. Saxena
13.	Lecture 3	02:35 PM	60 Min.	Dr. Asha Lalwani (NEERI)
14.	Query/Discussion	03:35 PM	10 Min.	
15.	Reporting	03:45 PM	5 Min.	Mr. Jay Singh Rajput (MoOC)
16.	Panel Discussion	03:50 PM	30 Min.	Prof. A.K. Saxena & Mr. Jay Singh
17.	Vote of Thanks	04:20 PM	5 Min.	Dr. M. K. Trivedi (HCED)
18.	End of programme	04:25 PM		

Join Meeting:- Session I (10:00AM Onward) :- meet.google.com/xqd-rdvr-juk
 Session II (02:00 PM Onward) :- meet.google.com/prw-bpeq-zav

5. Salient points of discussion in the course

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S. No.	Name of Expert	Designation, Affiliation	Topic of Lecture	Date of Lecture
01.	Dr. Mukesh Khare	Professor IIT Delhi	Introduction to source apportionment and its application in Air Quality Management	13.09.2020
02.	Dr. K. V. George	Sr. Principal Scientist & Head, APCD, NEERI, Nagpur	Air Quality and Apportioning the Sources for Priority Control	13.09.2020
03.	Dr. Asha Lalwani	Senior Scientist APCD, NEERI, Nagpur	Application of Receptor Modeling in source apportionment studies	13.09.2020

6. List of Registered Participants

Name	Designation	Name Of Parent Institute/Organization
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Ms. Archana Chawla	Research Scholar	IIT Delhi
Mr. SHYAMVEER SINGH CHAUHAN	Research Scholar	MITS Gwalior
Mr. SANJAY KUMAR VAISHNAV	Research Scholar	MITS Gwalior
Ms. Ankita Singh	Student	MITS Gwalior
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Mr. MAHESH KUMAR DHAKAR	Assistant Professor	HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, MATHURA
Mr. SHALIGRAM SONI	Advisor	Green Energy Center Champa Chhattisgarh
Mr. KAMAL SHARMA	Research Scholar	MITS Gwalior
Mr. ANUPAM KUMAR UPADHYAY	ASSISTANT TEACHER	DR. K. N. MODI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mr. ADARSH AGRAWAL	Student	Madhav Institute Of Technology & Science Gwalior (M.P)

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Civil Engineering Department

Mr. MANOJ VERMA	Assistant Professor	Axis Institute Of Technology And Management, Kanpur
Dr. Dr.J.Prakash Arul Jose	Professor & Head	Ashoka Institute Of Engg & Technology, Hyderabad
Ms. Mayuri Shrirang	Consultant	M.P. Pollution Control Board, Bhopal
Mr. ANIL KUMAR DWIVEDI	Associate Professor	M. I. T. S. Gwalior
Mr. Tarun Kumar Prajapat	Student	Engineering College Bikaner
Mr. BAIJNATH NISHAD	ASST. PROF.	BIT GIDA GORAKHPUR
Ms. Aparna Sharma	Phd Research Scholar	Indian Institute Of Technology, Delhi
Er. Kanagaraj Rajagopal	Research Scholar	Delhi Technological University
Ms. ISHWARYA.K	Student	Adhi College Of Engineering And Technology
Mr. SANDESH MOHOLKAR	MANAGER QUALITY	Kalpataru Group Ltd
Ms. ARATI P. AREWAR	Lecturer	BAJAJ CHANDRAPUR POLYTECHNIC CHANDRAPUR
Mr. MARK VINCENT G. LATRAS	Instructor	Northwest Samar State University
Ms. NUNNA KARANTHI REKHA	Assistant Professor	SRK INSTITUTE Of TECHNOLOGY
Mrs. SOUNDARI. L	Associate Professor	IFET COLLEGE OF ENGINEERING
Er. ANAND PORAS	Assistant Professor	Hindustan College Of Science And Technology
Dr. PUNEET MANGLA	Associate Professor	Hindustan College Of Science & Technology
Mr. JITHIN PREM S	Assistant Professor	Vast Tc
Mr. G. AMBULKAR	Chief Chemist	M.P. Pollution Control Board
Mr. V.NAVEEN CHANDRU	Student	NPR COLLEGE OF ENGINEERING AND TECHNOLOGY
Mr. KALPESH JADHAV	Jr Engineer	Dosti Realty LTD
Dr. BHUSHAN R AMBADE	Lecturer In Civil Engg	Govt. Polytechnic, Bramhapuri
Mrs. AYUSHI HIRALAL MESHRAM	Engineer	Dr. Babasaheb Ambedkar College Of Engineering And Research Nagpur
Mr. Yogesh Jain	Student	MITS
Mr. Rakesh Gupta	Ph D Scholar	MITS Gwalior
Ms. RUPAL AMBULKAR	PROJECT ASSISTANT	INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE
Mr. ARCHIT JAIN	Student	Jabalpur Engineering College
Mr. PAWAN KUMAR SAHU	Student	Jabalpur Engineering College, Jabalpur
Er. Shubham Shivhare	Student	Jabalpur Engineering College
Mr. Shubham Lakhera	Student	Jabalpur Engineering College
Er. RADHESHYAM CHAKRAWARTI	Master's In Technology Student	JABALPUR ENGINEERING COLLEGE
Mr. Rajesh Jain	Associate Professor	Rewa Engineering College Rewa
Mr. KRISHNA KUMAR	Student	Jabalpur Engineering College
Mr. Rishav Kumar Singh	Jabalpur	Jec Jabalpur

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Civil Engineering Department

Mr. Yash Sahu	Student	Madhav Institute Of Technology And Science (MITS) Gwalior
Mr. ANIRUDDHA DEVNATH CHINCHKHEDE	STUDENT	DR. BABASHEB AMBEDKAR COLLEGE OF ENGINEERING AND RESEARCH
Er. SANTOSH KUMAR KHAROLE	Associate Professor (Civil Engg)	University Institute Of Technology (UIT) RGPV Bhopal-462033
Mr. SWARAJ BHARTI	Student	Jec
Mr. MD AAMIR SOHAIL KHAN	Student	Jabalpur Engineering College
Mr. Sahil Singh	Student	Madhav Institute Of Technology And Science, Gwalior
Dr. SANTOSH KUMAR BHARADWAJ	ASSISTANT PROFESSOR	MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE , GWALIOR
Mr. MR. ABHISHEK BANSAL	ESTATE OFFICE	MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
Ms. Yashika Singhal	B. Tech 3 Rd Year	Madhav Institute Of Technology And Science, Gwalior
Mr. MR. ABHISHEK BANSAL	ESTATE OFFICE	MITS
Ms. Rupal Ambulkar	Project Assistant	IITM Pune
Mr. B Vamshi Vihar	Student	IISER Bhopal
Prof. Ashis Patra	Associate Professor	MITS-Gwalior
Mr. ABHISHEK PANTHI	None	Madhav Institute Of Technology And Science Gwalior

7. List of participant who secured certificate of workshop

Certificate S.No.	Title	Name (In capital letters)	Designation	Name of Parent Institute/Organization
1	Mr.	ABDUSSALIM KOLAKKADAN	Consulting Engineer	Construction Techno Services
2	Mr.	ABHAY AGRAWAL	STUDENT	MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
3	Er.	ADESH MISHRA	Student	MITS gwalior
4	Ms.	ADITI TIWARI	Research Scholar	MITS Gwalior
5	Mr.	ADITYA	Student	MITS college
6	Mr.	ADITYA SINGH TOMAR	M.Tech Scholar	MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR
7	Mr.	ANIKET PATEL	STUDENT	MITS Gwalior
8	Mr.	Animesh Sharma	student	MITS
9	Prof .	ANJAN KUMAR M U	Assistant Professor	N K Orchid College of Engineering and Technology Solapur
10	Mr.	Ankit Koshta	Environmental Engineer	TATA CONSULTING ENGINEERS
11	Ms.	ANKITA CHAURASIYA	Student	Madhav institute of technology and science , gwalior
12	Ms.	Ankita Singh	Student	Madhav Institute of Technology and Science Gwalior

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Civil Engineering Department

13	Ms.	ANUSURI UMA MAHESWARI	Assistant Professor	Chaitanya Engineering College
14	Ms.	ARATI P. AREWAR	Lecturer	BAJAJ CHANDRAPUR POLYTECHNIC CHANDRAPUR
15	Ms.	Archana chawla	Research scholar	IIT Delhi
16	Ms.	ARUL RASIKA K	Student	Velammal engineering college
17	Mr.	B Vamshi Vihar	Student	IISER Bhopal
18	Mr.	CHANDAN KUMAR BARICK	DIRECTOR	GENESIS ENGINEERING
19	Prof .	DAL CHAND RAHI	Assistant Professor	Jabalpur engineering college, Jabalpur MP
20	Mr.	DEEP PANKAJ SHAH	Student	GVAIET
21	Er.	DEEPAK SHARMA	Mtech student	Mits gwalior
22	Mr.	DHARMENDRA DIWAKAR	Student	MITG GWALIOR
23	Mr.	DHIRENDRA PATEL	Student	Madhav institute of technology and science College gwalior (M.P)
24	Dr.	Dr. J. Prakash Arul Jose	Professor & Head	Ashoka Institute of Engg & Technology , hyderabad
25	Dr.	Dr. Vidyapriya V	Assistant Professor	Easwari engineering college
26	Er.	Fleming Prakash	Junior Engineer	TN Slum Clearance Board, Chennai
27	Mr.	GOWTHAM C	Research Scholar	BMS College of Engineering
28	Mr.	HARIOM SINGARE	Student	Madhav Institute of technology and science
29	Ms.	ISHWARYA.K	Student	Adhi college of Engineering and Technology
30	Mrs.	JANVI SINGH	student	daughter of Atar singh / Madhav institute of technology
31	Ms.	JAYASHREE CHAKRABORTY	Site Engineer	NHAI
32	Ms.	JUHI GUPTA	Student	Madhav institute of technology and science, gwalior
33	Mrs.	JYOTI SANDIP TILEKAR	Lecturer	PES'S College of Engineering Phaltan
34	Mr.	KAMAL SHARMA	Research Scholar	MITG Gwalior
35	Mr.	KOMAL KUMAR MISHRA	Student	Mits gwalior
36	Mr.	Kuldeep kumar nirat	Student	Madhav institute of technology and science gwalior
37	Mr.	M.SELVAMSAGAY ARADJA	LECTURER	MOTILAL NEHRU GOVT.POLYTECHNIC COLLEGE
38	Mr.	MAHESH KUMAR DHAKAR	Assistant Professor	HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, MATHURA
39	Mr.	MANISH BHARADWAJ	FACULTY	MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE
40	Mr.	Manish Tyagi	Student	Madhav institute of technology & science
41	Mr.	MD.TITUMIR HASAN	Workshop Maintenance Engineer	Sylhet Engineering College, Sylhet, Bangladesh.
42	Ms.	MONIKA RAJOURIYA	Student	Madhav institute of technology & science

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Civil Engineering Department

43	Ms.	Ms Dr.Baba Tabasum	Doctoral Fellow	University Of Indore, DAVV Indore M.P India
44	Mrs.	Nancy sharma	Research scholar	Jaypee University of Engineering and Technology
45	Mr.	NEERAJ KAIM	GWALIOR	Madhav institute of technology and science
46	Ms.	Neha singh	Assiatant professor	MITS gwalior
47	Mr.	PETER LAMECK MDUWILE	Student	Univesitas Pendidikan Indonesia
48	Mr.	PRASHANT SHITOLE	Student	Madhav institute of technology and science
49	Mr.	PRATEEK ARORA	STUDENT	MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE ,GWALIOR
50	Ms.	PRERNA SENGAR	Student	MITS
51	Mr.	Rajesh jain	Associate professor	Rewa engineering college rewa
52	Mr.	Rakesh Gupta	Ph D scholar	MITS Gwalior
53	Mr.	Ravi Kushwah	Student	Madhav institute of technology and science Gwalior
54	Mr.	RAVI PRATAP SINGH JADON	Assistant Professor	INSTITUTE OF TECHNOLOGY, GWALIOR, MADHYA PRADESH
56	Mr.	RENJISH VIJAY	Research Scholar	TKM College of Engineering Kollam Kerala India
57	Mr.	ROHIT MAURYA	Assistant Professor	Hindustan College of Science and Technology Farah
58	Ms.	RUPAL AMBULKAR	PROJECT ASSISTANT	INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE
59	Mr.	S . SHYAM	student	SRM Easwari Engineering College
60	Mrs.	SAMRIN ASIM BAGWAN	Assistant Professor	JSPM's Rajarshi Shahu College of Engineering,Tathawade,Pune
61	Mr.	SANJAY KUMAR VAISHNAV	Research scholar	MITS GWALIOR
62	Er.	SanjayKhanna	Research Scholar	A.N.College Patna
63	Dr.	SANTOSH KUMAR BHARADWAJ	ASSISTANT PROFESSOR	MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE , GWALIOR
64	Er.	SANTOSH KUMAR KHAROLE	Associate Professor (Civil Engg)	University Institute of Technology (UIT) RGPV Bhopal-462033
65	Mrs.	SARASWATHI.K	Assistant Professor	Hindusthan College of Engineering and Technology
66	Mr.	SHALIGRAM SONI	Advisor	Green Energy Center Champa Chhattisgarh
67	Dr.	SHANMUGAM.R	Associate professor	Sengunthar Engineering College Tiruchengode
68	Prof .	SHRIKANT SARJERAO BOBADE	Assistant Professor	SVPM's COE Malegaon BK. Tal-Baramati Dist-Pune Maharashtra 413115
69	Er.	Shubham Shivhare	Student	Jabalpur Engineering College
70	Mr.	SHYAMVEER SINGH CHAUHAN	Research Scholar	MITS GWALIOR
71	Mrs.	SOUNDARI. L	Associate Professor	IFET COLLEGE OF ENGINEERING
72	Mr.	UTKARSH VYAS	Student	Madhav institute of technology and science Gwalior
73	Mr.	V.NAVEEN CHANDRU	Student	NPR COLLEGE OF ENGINEERING AND TECHNOLOGY

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Civil Engineering Department

74	Mr.	VIJAY S KOYAL	Sr Lecturer	Bajaj Chandrapur Polytechnic Chandrapur
75	Mr.	VIKAS SHUKLA	Assistant Professor	MITS GWALIOR
76	Mr.	VISHAL DEVRAJ MUDLIYAR	Student	MITS GWALIOR
77	Mr.	Yash Sahu	Student	Madhav Institute of Technology and Science (MITS) Gwalior
78	Mr.	KRUSHNA CHANDRA SAHOO	ASSISTANT PROFESSOR	DRIEMS AUTONOMOUS ENGINEERING COLLEGE
79	Ms.	PRAGYA MANDLOI	Student	Madhav institute of science and technology college, Gwalior
80	Prof .	GAUTAM BHADORIYA	Assistant professor	MITS, GWALIOR
81	Mr.	ANIL KUMAR DWIVEDI	Associate Professor	M. I. T. S. Gwalior
82	Mr.	GARVIT SHRIVASTAVA	M.TECH STUDENT	Madhav institute of technology and sciences

8. Outcomes of the course

After completion of this workshop the participant's will be able to:

- (i) Identify the best modeling practices related to source identification of air pollution.
- (ii) Apply various types of receptor model for source apportionment problem related to air, water, and soil.
- (iii) Investigate the potentiality of receptor models in providing valid real life results.

9. Sample Certificate

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Civil Engineering Department



10. Feedback of the participants

(i) Lecture 1:

Email Address	Overall Lecture rating (1 for poor and 5 for Excellent)	Quality of programme conduction	Any Suggestion/Appreciation
prernasengar95@gmail.com	5	4	No
Monikasingsh1061@gmail.com	5	5	No
shyamveerc@gmail.com	5	5	Fruitful lecture
diwakar418418@gmail.com	5	5	It was excellent. I hope u would conduct more free webinar like this.
ravijadon0@gmail.com	5	5	Na
itsankit27@gmail.com	5	5	I am also interested in water and waste water engineering workshop. please inform when you are organize.
rohitmaurya12ce@gmail.com	4	4	no
er.sanjaykhanna@yahoo.com	5	5	Many many thanks !!
renjishvijay@gmail.com	4	4	Good
patelaniket088@gmail.com	5	5	Nops
shyamsivakumar2@gmail.com	5	5	very very useful session to improve knowledge

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Civil Engineering Department

hariom.hs44@gmail.com	4	5	Very informative and nice session
adi0999jain@gmail.com	5	5	Very knowledgeable lecture
gowthamc777@gmail.com	5	4	na
manishbharadwaj.684@rediffmail.com	5	5	NICE SESSION ON PRESENT ISSUE OF AIR POLLUTION
shrikantoo81@gmail.com	5	5	No
tilekarjs@gmail.com	5	5	No
jgupta7204@gmail.com	5	5	No
harshitmaithil1609@gamil.com	5	5	No
ankitasingh688964@gmail.com	5	5	no
agrawalabhay15@gmail.com	3	3	The lecture is more about theoretical & just data prestation. So you may include some practical approach to bind the interest of viewers.
neerajkaim36@gmail.com	3	3	No suggestions , lecture is good
ani67007@gmail.com	4	4	Nice
mishraadesh95@gmail.com	4	4	It's vry typical problem and some give idea for decrease the content of air pollution form our environment and its idea is vry help ful for the any type of contry or cities. Nice to meet to our all respected sir and thank you for this opportunity to give all students

(ii) Lecture 2:

Email Address	Overall Lecture rating (1 for poor and 5 for Excellent)	Quality of programme conduction	Any Suggestion/Appreciation
Monikasingh1061@gmail.com	5	5	No
diwakar418418@gmail.com	5	5	All my queries were answered.
gowthamc777@gmail.com	4	3	Na
jayashreectvy@gmail.com	5	5	Arrange frequently
ankitasingh688964@gmail.com	5	5	It's very well
arupal912@gmail.com	5	5	Modelling information was very helpful in understanding several phenomenon based on air

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Civil Engineering Department

			dispersion and all.
samrinbagwan44@gmail.com	5	5	It was excellent, enriching and a fruitful session.
yashsahu1097@gmail.com	4	3	The contents were far better than I expected and the expertise of the speaker paved a way for more in-depth understanding of the topic.
komalkumarmishra18@gmail.com	4	4	It was a good
shahdeep189@gmail.com	4	4	Great Work
jgupta7204@gmail.com	5	5	No
patelaniket088@gmail.com	5	5	No
arora26prateek@gmail.com	4	4	none
harshitmaithil1609@gamil.com	5	5	No
adi0999jain@gmail.com	5	5	It's good session
arati_arewar@rediffmail.com	5	5	Informative session, excellent
rohitmaurya12ce@gmail.com	4	5	no
hariom.hs44@gmail.com	5	5	Excellent session
shubhamshivhare74@gmail.com	5	4	Appreciate for this great opportunity
maheshdhakaar@gmail.com	5	5	knowledgeable
vidyapriya.v@eec.srmrmp.edu.in	5	5	GOOD
neerajkaim36@gmail.com	4	4	Good lecture
877aman0689696@gmail.com	4	5	None
koyalvijay@gmail.com	4	4	Nice and informative session.
vmudliyar3003@gmail.com	4	4	Good
sonushitole6@gmail.com	1	1	Nice
tyagi.manish32@gmail.com	4	4	No any
bvamshi@iiserb.ac.in	5	5	Very nice and informative.
chandruneveen43@gmail.com	5	5	The session was very useful
vyasutkarsh786944@gmail.com	4	4	No
renjishvijay@gmail.com	4	4	Good
enr.md.titumirhasan.civilkuet@gmail.com	5	5	Please Provide ppt
tilekarjs@gmail.com	5	5	No
itsankit27@gmail.com	5	5	Very good session.
shrikantoo81@gmail.com	5	5	No
er.sanjaykhanna@yahoo.com	5	5	Excellent sir !!
ravijadon0@gmail.com	5	5	Na

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Civil Engineering Department

tanudhirendra@gmail.com	5	5	Very helpful programme sir
archana.chawla222@gmail.com	5	5	Nice ppt
ROYAL.MAHESWARI@gmail.com	5	5	Very informative
prakasharuljose11@gmail.com	5	5	excellent
ravikushwah161@gmail.com	5	5	
erflemingprakash@gmail.com	5	5	superb
vikas.shukla183@gmail.com	4	5	No
mduwilepeter@upi.edu	5	5	No any
agrawalabhay15@gmail.com	4	3	No
shanmugamrsp@gmail.com	5	5	Excellent
kuldeepnirat@gmail.com	5	5	Thankyou
anjankumarmu@gmail.com	5	5	Excellent

(iii) Lecture 3:

Email Address	Overall Lecture rating (1 for poor and 5 for Excellent)	Quality of programme conduction	Any Suggestion/Appreciation
prernasengar95@gmail.com	5	4	No
chandrunaveen43@gmail.com	5	5	The session was very useful
ravijadon0@gmaio.com	5	5	Ns
koyalvijay@gmail.com	4	4	Informative session.
patelaniket088@gmail.com	5	5	No
anjankumarmu@gmail.com	5	5	Excellent
Monikasingh1061@gmail.com	5	5	Good lecture
vidyapriya.v@eec.srmrmp.edu.in	5	5	Good speaker
renjishvijay@gmail.com	4	4	Good
arupal912@gmail.com	5	5	Valuable Presentation..hope to explore further in such fields. It was a nice experience being a part of this workshop.
sarasnethra@gmail.com	5	5	Good
shubhamshivhare74@gmail.com	5	4	Thanks for all the

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Civil Engineering Department

			information.
archana.chawla222@gmail.com	5	5	Nice explanation
shyamveerc@gmail.com	5	5	Informative lecture
877aman0689696@gmail.com	4	4	None
arati_arewar@rediffmail.com	5	5	Very nice and informative session
arora26prateek@gmail.com	4	4	none
tilekarjs@gmail.com	5	5	No
chandanbarik@gmail.com	5	5	Excellent session
ankitasingh688964@gmail.com	5	5	Provides useful content
agrawalabhay15@gmail.com	3	4	No...Great explanation.
shahdeep189@gmail.com	3	3	Great Work
adi0999jain@gmail.com	5	5	Good session
kamalsharma211196@gmail.com	5	5	Lecture was so knowledgeable.
shrikantoo81@gmail.com	5	5	No
bharadwajsantosh@gmail.com	4	4	No
enr.md.titumirhasan.civilkuet@gmail.com	5	5	Please provide lecture sheet
ravikushwah161@gmail.com	5	5	
drtabasum550@gmail.com	5	4	Glad to hear from you all, it was very interesting 3rd lecture. Pleasure to participate
jayashreechtvy@gmail.com	5	5	Arrange frequently
shanmugamrsp@gmail.com	5	5	Excellent
yashsahu1097@gmail.com	3	4	It was an overall good programme and such kind of events should be organised in future also.
komalkumarmishra18@gmail.com	4	4	Good session
bvamshi@iiserb.ac.in	5	5	Very good presentation about the modelling of air pollutants and PM data.
hariom.hs44@gmail.com	5	5	Excellent session
jgupta7204@gmail.com	5	5	No
harshitmaithil1609@gamil.com	5	5	No
rohitmaurya12ce@gmail.com	5	4	No
mduwilepeter@upi.edu	5	5	No any
mishraadesh95@gmail.com	3	3	No
er.sanjaykhanna@yahoo.com	5	5	Excellent !!
tyagi.manish32@gmail.com	4	4	No

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Civil Engineering Department

prakasharuljose11@gmail.com	5	5	excellent
erflemingprakash@gmail.com	5	5	superb
visitshaligram@gmail.com	4	4	Very nice work
tanudhirendra@gmail.com	5	5	Very helpful programme sir
diwakar418418@gmail.com	5	5	Good.
neerajkaim36@gmail.com	4	4	Good lecture
shubhamshivhare74@gmail.com	5	4	Thanks for the information
vaishnavsanjay110992@gmail.com	5	5	Excellent work
hsejarjain1@gmail.com	4	4	Good work
sonushitole6@gmail.com	1	1	Nice
samrinbagwan44@gmail.com	5	5	It was excellent, enriching and a fruitful session.
ROYAL.MAHESWARI@gmail.com	5	5	Very good session
kumarpabitra28@gmail.com	3	4	Nice informative session
krushna.sahoo@driems.ac.in	5	5	Nice session one
arati_arewar@rediffmail.com	5	5	Very informative and nice session
soni8nancy@gmail.com	5	5	Excellent content
kuldeepnirat@gmail.com	5	5	Thanks
vyasutkarsh786944@gmail.com	4	4	No
gowthamc777@gmail.com	4	3	na
kamalsharma211196@gmail.com	5	5	Lecture was good.
soundaricruz@gmail.com	5	5	No sir. Totally it is very useful.
adititiwari2018@gmail.com	5	5	The content delivered by experts was very useful.
soundaricruz@gmail.com	5	5	It is very nice and contentful sir
koyalvijay@gmail.com	4	4	Nice session.
ishwaryakcivil111@gmail.com	5	4	Very informative section
tyagi.manish32@gmail.com	4	4	Superb informative session
akoletters@gmail.com	5	5	Very informative & useful sessions
diwakar418418@gmail.com	5	5	Excellent
ishwaryakcivil111@gmail.com	5	5	Very informative section on workshop
ravijadon0@gmail.com	5	5	Na
msmars2020@gmail.com	5	5	very nice session
skkharole@rgtu.net	5	5	Well communitied by expert
dcrahi76@gmail.com	5	5	Add case study

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Civil Engineering Department

soundaricruz@gmail.com	5	5	Very useful sir
kumarpabitra28@gmail.com	4	4	Nice informative session
rakeshgupta7sept@gmail.com	5	5	Very knowledgeable for me
vikas.shukla183@gmail.com	4	4	No
maheshdhakaar@gmail.com	5	5	Excellent
ankitasingh688964@gmail.com	5	5	No
vidyapriya.v@eec.smrmp.edu.in	5	5	Good
bijunipanda@gmail.com	4	4	Very informative
jkrushna@gmail.com	4	4	Fine
aanyachaurasiya@gmail.com	5	5	Good



Dr. M. K. Trivedi
Professor & Head
HEAD
Civil Engg Deptt.
M.I.T.S. Gwalior