



# Institute of Infrastructure Technology Research And Management (IITRAM)

(An Autonomous University established by Government of Gujarat)

## Workshop: Introduction to a Career in Research and Development

(For New PhD Students)

### 6 Day Workshop (September 22 – September 27)

Coordinator: Dr. Dipankar Deb

#### Day 1 (September 22): Moderated by Dr. Dipankar Deb, Professor and Coordinator, Electrical Engineering

1	Prayer and Inauguration		4:00 – 4:20 PM
2	Inaugural Address: The Attitude of a Researcher	Prof. Shiva Prasad, Director General, IITRAM	4:20 – 4:40 PM
3	The IITRAM Journey So far and the Way Forward	Prof. A. U. Digraskar, Director, IITRAM	4:45 – 5:15 PM
4	Student Section: We are With You	Dr. Meera Vasani, Associate Dean (Student Welfare)	5:20 – 5:50 PM
5	Women Development Cell (WDC)	Dr. Mahuya Bandopadhyay, Assistant Professor, Chemistry	5:55 – 6:10 PM
6	Siemens Center of Excellence and Workshop Facilities @ IITRAM: An Introduction	Dr. Navneet Khanna, Assistant Professor, Mechanical Engineering	6:10 – 6:30 PM

#### Day 2 (September 23): Moderated by Dr. Ganesh Iyer, Assistant Professor, Mechanical Engineering

1	Honor Code of IITRAM	Dr. Trudeep Dave, Exam Convener	4:00 – 4:20 PM
2	Software Packages with Civil Department	Dr. Jaidevi Jayaraman, Assistant Professor, Civil Engineering	4:20 – 4:30 PM
3	Software Packages with Electrical Department	Dr. Kshitij Bhargava, Assistant Professor, Electrical Engineering	4:30 – 4:40 PM
4	Software Packages with Mechanical Department	Dr. Dileep Gupta, Assistant Professor, Mechanical Engineering	4:40 - 4:50 PM
5	An Introduction to Faculty and Resources in Civil Engineering Department	Dr. Yogesh Shah, Coordinator, Civil Engineering	4:55 – 5:25 PM
6	An Introduction to Faculty and Resources in Electrical Engineering Department	Dr. Abhishek Rawat, Assistant Professor, Electrical Engineering	5:30 – 6:00 PM
7	An Introduction to Faculty and Resources in Mechanical Engineering Department	Dr. Navneet Khanna, Coordinator, Mechanical Engineering	6:00 – 6:30 PM

#### Day 3 (September 24): Moderated by Dr. Veerbhadra Rotte, Assistant Professor, Civil Engineering

1	Library Resource Center @ IITRAM: Towards Research Excellence	Dr. Harshad Patel, Senior Library Information Assistant	4:00 – 4:30 PM
2	Art of Literature Review during Research	Dr. Kannan Iyer, Assistant Professor, Civil Engineering	4:35 – 5:30 PM
3	Design of Research Studies	Dr. Mithilesh Dikshit, Assistant Professor, Mechanical Engineering	5:35 – 6:30 PM

#### Day 4 (September 25): Moderated by Dr. Sourav Das, Assistant Professor, Chemistry

1	Fellowship Opportunities for a Researcher (National & International)	Dr. Dheeraj Kumar Singh, Assistant Professor, Physics	4:00 – 4:30 PM
2	Art and Structure of Thesis Writing	Dr. Brajesh Tiwari, Assistant Professor, Physics	4:35 – 5:30 PM
3	Bibliometrics: Impact Factor and Writing for High Impactful Research	Dr. Dipankar Deb, Professor, Electrical Engineering	5:35 – 6:30 PM



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Day 5 (September 26)			
Pre-Lunch Session Moderated by Dr. Manoj Chaudhuri, Assistant Professor, Mathematics			
1	An Introduction to Faculty in Mathematics	<b>Dr. Manoj Chaudhuri,</b> Assistant Professor, Mathematics	11:00 – 11:10 AM
2	Student Startup and Innovation Policy (SSIP) @ IITRAM	<b>Dr. Jiten Shah,</b> Assistant Professor, Civil Engineering	11:10 – 11:30 AM
3	Detailed Description of the Laboratories in Civil Engineering	<b>Dr. Manoj Langhi,</b> Assistant Professor, Civil Engineering	11:30 AM – 12 Noon
4	Detailed Description of the Laboratories in Electrical Engineering	<b>Dr. Priyesh Chauhan,</b> Assistant Professor, Electrical Engineering	12:00 – 12:30 PM
5	Detailed Description of the Laboratories in Mechanical Engineering	<b>Dr. Kumar Abhishek,</b> Assistant Professor, Mechanical Engineering	12:30 – 1:00 PM
Post-Lunch Session Moderated by Dr. Prakash Dabhi, Associate Professor, Mathematics			
6	Expectations from competent engineers for Fourth Industrial Revolution	<b>Dr. Axay Mehta,</b> Associate Professor, Electrical Engineering	2:00 – 2:30 PM
7	The Power Within	<b>Dr. Manish Sharma,</b> Assistant Professor, Electrical Engineering	2:30 – 3:00 PM
8	Dayatva and NSS (IITRAM's Institutional Social Responsibility)	<b>Dr. Pravin Jadhav,</b> Assistant Professor, Economics	3:00 – 3:30 PM
9	Sharing the Experience: Hear from the Two PhD Students of IITRAM who have defended their Thesis in 2020	<b>Dr. Harsh Dhiman &amp; Dr. Keyur Patel</b>	3:30 – 4:00 PM

Day 6 (September 27)			
Pre-lunch Session Moderated by Dr. Mahesh Mungule, Assistant Professor, Civil Engineering			
1	An Introduction to Faculty and detailed description of the Laboratories in Chemistry Department	<b>Dr. Sourav Das,</b> Assistant Professor, Chemistry	11:00 – 11:20 AM
2	An Introduction to Faculty and detailed description of the Laboratories in Physics Department	<b>Dr. Mansi Dhuria,</b> Inspire Faculty, Physics	11:20 – 11:40 AM
3	An Introduction to Faculty in Humanities, followed by a talk on Role of Effective Writing and Grammar in Academic Research	<b>Dr. Meera Vasani,</b> Assistant Professor, English	11:45 AM – 12:40 PM
Post-Lunch Session Moderated by Dr. Dipankar Deb, Professor and Coordinatory, Electrical Engineering			
5	An Introduction to Faculty in Computer Science and Engineering, followed by a talk on Role of Programming in Research	<b>Dr. Manish Chaturvedi,</b> Assistant Professor, Computer Science and Engineering	1:40 – 2:00 PM
6	Invited Talk "Best Practices for Simulations and Experiments"	<b>Dr. Abhishek,</b> Associate Professor, Aerospace Engineering, IIT Kanpur	2:00 – 3:00 PM
7	Valedictory Function		3:05 – 4:00 PM