

Program Schedule			
International Conference on Recent Advances in Modeling and Simulation Techniques in Engineering and Sciences (RAMSTES-2022)			
November 9-11, 2022			
Joining link: shorturl.at/ADS17 Password: manipal@123 (for attendees) Manipal@123 (for panelist & speakers)			
Manipal University Jaipur (MUJ), Jaipur, Rajasthan, India			
Day 1: November 9, 2022 (Wednesday)			
Inauguration			
Inaugural Session RAMSTES 2022	Time Zone: IST	Speaker	Details
	09:30 AM -09:35 AM	Dr. Anjali Narayan	Saraswati Vandana
	09:35 AM -09:40 AM	Dr. Dhaneshwar Mishra Organizing Chair, RAMSTES 2022	Welcome Address
	09:40 AM -09:45 AM	Prof. Shiva Prasad H. C. Director, SMM	About the Conference, and SMM
	9.45 AM - 9.49 AM	Prof. Bhavna Tripathi Director, SCCE	About SCCE
	9:49 AM -9:53 AM	Prof. Amit Soni Director, SEEC	About SEEC
	9:53 AM -9:57 AM	Prof. Arun Shanbhag Dean, Faculty of Engineering	About Faculty of Engineering & Interdisciplinary research
	9:57 AM -10:02 AM	Prof. Nitu Bhatnagar Registrar, Manipal University Jaipur	About MUJ
	10:02 AM - 10:07 AM	Mr. Hasmukh Rawal Managing Director and Co- Founder MyLab	Address of the Chief Guest
	10:07 AM - 10:10 AM	Dr. Abhishek Sharma Organizing Secretary-RAMSTES 2022	Vote of Thanks

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Detailed schedule of Plenary/ Keynote sessions and Presentations by Authors

Time Zone: IST	Speaker	Details
10:15 AM -11:00 AM (9 Nov)	Prof. Tahirul Islam Department of Electrical Engineering, Jamia Millia Islamia	Topic: Development of Wireless Digital Wide Range Humidity Measurement System Session Chair: Prof. Amit Soni Joining link: shorturl.at/ADS17 Password: manipal@123 (for attendees) Manipal@123 (for panelist & speakers) Student Coordinator: Piyush Mishra 9247104934 Piyush.209402048@muja.manipal.edu
11.00 AM- 11.30 AM High Tea		
11:30 AM -12:15 PM (9 Nov)	Dr. Daniel Laster School of Engineering RMIT, Australia	Topic: Turbulent Pipe Flow of Time-Independent and Thixotropic Non-Newtonian Fluids Session Chair: Dr. Anand Chakinala MS Team: Link Student Coordinator: Mohit kirar 7987460685 mohit.219309028@muja.manipal.edu
12:15 PM -01:30 PM (9 Nov)	Session 1: Chemical & Environmental Eng. (10 min presentation +2 Q & A)	Session Coordinator: Dr. Gaurav Kataria MS Team: Link Student Coordinator: Mohit kirar 7987460685 mohit.219309028@muja.manipal.edu

<p>12:15 PM -01:30 PM (9 Nov)</p>	<p>Session 2: Design, and Analysis (10 min presentations +2 Q & A)</p>	<p>Session Coordinator: Dr. Ramanpreet Singh MS Team: Link Student Coordinator: Piyush Mishra 9247104934 Piyush.209402048@mu.j.manipal.edu</p>
<p>Lunch Break (1:30 PM - 2:30 PM)</p>		
<p>2.30 PM -04:30 PM (9 Nov)</p>	<p>Session 3: CFD, Thermal and Wear Analysis (10 min presentation +2 Q & A)</p>	<p>Session Coordinator: Dr. Abhishek Sharma, Mechanical Eng. MS Team: Link Student Coordinator: Himanish 8003920353 himanish.209402002@mu.j.manipal.edu</p>
<p>2.30 PM -04:30 PM (9 Nov)</p>	<p>Session 4: Applications of AI, ML, CV, and Smart Systems (10 min presentation +2 Q & A)</p>	<p>Session Coordinator: Dr. Krishna Kant Pandey MS Team: Link Student Coordinator: Deepanshu Dhankhar 9306421112 deepanshu.219310081@mu.j.manipal.edu</p>
<p>2.30 PM -04:30 PM (9 Nov)</p>	<p>Session 5: Multi-disciplinary (Online) (10 min presentation +2 Q & A)</p>	<p>Session Coordinator: Prof. Ashok Sharma MS Team: Link Student Coordinator: Prashant Tyagi 8059869676 Prashant.209302265@mu.j.manipal.edu</p>
<p>5:00 PM -05:45 PM (9 Nov)</p>	<p>Prof. Nikhil Gupta Mechanical and Aerospace Engineering Department New York University</p>	<p>Topic: Additive manufactured composite materials: Analysis by modeling, simulation and machine learning methods</p> <p>Session Chair: Prof. Abhishek Sharma MS Team: Link Student Coordinator: Ayush Jain 6260069829 Ayush.209309129@mu.j.manipal.edu</p>

10 Nov 2022

9.30 AM -10.15 AM
(10 Nov)

Dr. Sandeep Patil
RWTH Aachen University,
Germany

**Topic: A bottom-up
computational approach to
biomaterials and aerogels**

Session Chair: Dr. Ravi Kumar Gupta
MS Team: [Link](#)
Student Coordinator:
Krish patel
patel.219302182@mu.j.manipal.edu
8780776176

10.15 AM -11.45 AM

**Session 6: Civil
Engineering-I
(10 min presentations +2 Q &
A**

Session Coordinator:
Mr. Sourabh Kumar Das

MS Team: [Link](#)
Ayush Jain
6260069829
Ayush.209309129@mu.j.manipal.edu

10.15 AM -11.45 AM

**Session 7: Civil
Engineering-II

(10 min presentations
+2 Q & A**

Session Coordinator:
Mr. Charanjeet Singh

MS Team: [Link](#)
Student Coordinator:
Krish patel
patel.219302182@mu.j.manipal.edu
8780776176

11.45 AM – 12.00 Noon
Tea Break

12.00 Noon -12.45
PM
(10 Nov)

Dr. Mayank Mishra
Civil Engineering
IIT Bhubaneswar

**Topic: Artificial intelligence-
based visual inspection system
for structural health monitoring
of cultural heritage**

Session Chair: Dr. Meena Kumari

MS Team: [Link](#)
Student Coordinator:
Jeet jawale
9823328222
Jeet.219202032@mu.j.manipal.edu

Lunch Break (12:45 PM - 2:15 PM)

<p>2:15 PM -03:00 PM (10 Nov)</p>	<p>Dr. Fernando Mas Chief Technical Officer Science, Technology and R&D, M&M Group University of Sevilla, Spain</p>	<p>Topic: Digital Design and Manufacturing in the Aerospace Industry Session Chair: Prof. Sanchita Bandyopadhyay MS Team: Link Student Coordinator: Ketan singh Ketan.219309102@mu.j.manipal.edu 9628227870</p>
<p>3.00 PM -3.45 PM (10 Nov)</p>	<p>Prof. Laltu Chandra Department of Sustainable Energy Engineering IIT Kanpur</p>	<p>Topic: Concentrated Solar Thermal Systems: Some Challenges and Solutions Session Chair: Dr. Kulwant Singh MS Team: Link Student Coordinator: Jeet jawale 9823328222 Jeet.219202032@mu.j.manipal.edu</p>
<p>3.45 PM -04:30 PM (10 Nov)</p>	<p>Session 8: Materials and Composites (10 min presentation +2 Q & A)</p>	<p>Session Coordinator: Dr. Saurabh Devangan MS Team: Link Student Coordinator: Jeet jawale 9823328222 Jeet.219202032@mu.j.manipal.edu</p>
<p>3.45 PM -04:30 PM (10 Nov)</p>	<p>Session 9: Optimization, and Product Development (10 min presentation +2 Q & A)</p>	<p>Session Coordinator: Dr. Vimal Kumar Pathak MS Team: Link Student Coordinator: Ketan singh Ketan.219309102@mu.j.manipal.edu 9628227870</p>
<p>4:30 PM -5:30 PM (10 Nov)</p>	<p>Prof. Romesh Batra Department of Biomedical Engineering and Mechanics, Virginia Tech, USA</p>	<p>Topic: Performance against air blast of functionally graded foam core sandwich structures with fiber- reinforced face sheets Session Chair: Prof. Manish Tiwari MS Team: Link</p>

		<p>Student Coordinator:</p> <p>Ayush Jain 6260069829 Ayush.209309129@mu.j.manipal.edu</p>
11 Nov 2022		
10.00 AM -11.00 AM (11 Nov)	<p>Prof. Indra Vir Singh Department of Mechanical and Industrial Engineering, IIT Roorkee</p>	<p>Topic: A Need for Multiscale Modeling</p> <p>Session Chair: Prof. Subrata Bandhu Ghosh</p> <p>Venue: TSB Seminar room</p> <p>Student Coordinator: Siddhant Sharma 8860986027 Siddhant.219202029@mu.j.manipal.edu</p>
11.00 AM -01:00 PM (11 Nov) Offline	<p>Session 10: Multi- disciplinary (Offline) (10 min presentation +2 Q & A)</p>	<p>Session Coordinator: Dr. Abhishek Sharma, Mechanical Engineering</p> <p>Venue: TSB Seminar room</p> <p>Student Coordinator: Siddhant Sharma 8860986027 Siddhant.219202029@mu.j.manipal.edu</p>
11.00 AM -01:00 PM (11 Nov) Online	<p>Session 11: Multi- disciplinary (Online) (10 min presentation +2 Q & A)</p>	<p>Session Coordinator: Dr. Ashish Kumar Srivastava</p> <p>MS Teams: Link</p> <p>Student Coordinator: Manu Gupta 8657473453 Manu.219310294@mu.j.manipal.edu</p>
1:00 PM -1:30 PM (11 Nov)	Valedictory	
Closing Lunch (1:30 PM - 3.00 PM)		