3rd International Conference on Modern Research in Aerospace Engineering (MRAE 2025)

Conference Schedule

Day 1: 25th September 2025 (Thursday)8:45 AM-
10:00 AM

Registration (F2 Block Foyer)

10:00 AM-
11:15 AM**INAUGURAL SESSION (F2-Seminar Hall)****Zoom Link: <https://amity-edu.zoom.us/j/9123456789>**11:15 AM-
11:30 AM

Tea Break

11:30 AM-
12: 10 PM

Keynote/Invited Talk (1 & 2) - (F2-Seminar Hall)

Zoom Link: <https://amity-edu.zoom.us/j/9123456789>

Parallel Technical Sessions

	Technical Session 1 (F2 Seminar Hall)	Technical Session 2 (F1 MDP Hall)	Technical Session 3 (F3 MDP Hall)
	URL:1 (Given Below)	URL:2 (Given Below)	URL:3 (Given Below)
	Session Chair: Dr. Neeraj Kumar	Session Chair: Dr. Priyanka Vashisht	Session Chair: Dr. Mahadeeswara Yadav
	Session Co-Chair: Professor V. R. Sanal Kumar	Session Co-Chair: Dr. Shivani Verma	Session Co-Chair: Dr. Shuchismita Mishra
	T- (Aerodynamics)	T –AI	T- (Space)
12:15 PM	02	4	24
12:27 PM	07	39	30
12:39 PM	08	61	88
12:51 PM	50	87	90
1:03 PM	37	40	93
1:15 PM	25 offline	187 offline	96 offline

(1:30 to 2:15 PM) Lunch - F2 block

02:15 PM-
3:15 PM

Keynote/Invited Talk (3, 4 & 5) - (F2-Seminar Hall)

Zoom Link: <https://amity-edu.zoom.us/j/9123456789>

Parallel Technical Sessions

	Technical Session 4 (F2 Seminar Hall)	Technical Session 5 (F1 MDP Hall)	Technical Session 6 (F3 MDP Hall)	Technical Session 7 (B Block G-06)
	URL:1 (Given Below)	URL:2 (Given Below)	URL: 3 (Given Below)	URL:4 (Given Below)
	Session Chair: Dr. Rakesh Kumar	Session Chair: Dr. Om Praksah	Session Chair: Dr. Mahadeeswara Yadav	Session Chair: Dr. Vinay Panwar
	Session Co-Chair: Dr. Basant Singh Sikarwar	Session Co-Chair: Dr. Sanjay Singh	Session Co-Chair: Dr. Sudheer Nadda	Session Co-Chair: Dr. Abhishek Verma
	T- Aerodynamics	T- (Flight Mechanics & Aircraft Stability & A/C Maintenance & UAV)	T-Space	T-Materials
3:15 PM	53	45	110	29
3:27 PM	55	72	137	80
3:39 PM	56	77 (ACM)	140	89
3:51 PM	58	94	142	98
4:03 PM	57 offline	43 offline	143	150

(04:15 to 04:30) Tea Break

4:30 PM

59

120

147

172

4:42 PM

69

131

171

175

4:54 PM

70

169

138 offline

113

5:06 PM

99

182 offline

156 offline

78 offline

5:18 PM

108

184 offline

173 offline

79 offline

5:30 PM

60 offline

189 offline

200-Offline

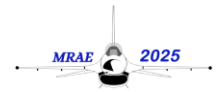
5:42 PM

97 offline

195 offline

201-Offline

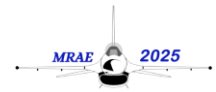
Dinner (07:00 PM)

3rd International Conference on Modern Research in Aerospace Engineering (MRAE 2025)

Conference Schedule

Day-2: 26th September 2025 (Friday)

09:30 AM-10:30 AM	Keynote/Invited Talk (6, 7 & 8) - (F2-Seminar Hall) Zoom Link: https://amity-edu.zoom.us/meeting/register/CHmZchEzTEGrrHt-DP_3uQ		
10:30 AM-10:45 AM	Tea Break		
Parallel Technical Sessions			
	Technical Session 8 (F2 Seminar Hall)	Technical Session 9 (F1 MDP Room)	Technical Session 10 (B Block-G-06)
	URL:1 (Given Below)	URL:2 (Given Below)	URL:3 (Given Below)
	Session Chair: Dr. Jigar Sura	Session Chair: Dr. Mahesha G T	Session Chair: Dr. Vikas Goyat
	Session Co-Chair: Professor V. R. Sanal Kumar	Session Co-Chair: Dr. Bedatri Moulik	Session Co-Chair: Dr. Narayan Sharma
	T- Aerodynamics	T- Electrical Mobility & RE	T- Structural Analysis
10:45 AM	130	13	23
10:57 AM	132	36	26
11:09 AM	164	52	32
11:21 AM	134	117	42
11:33 AM	124 offline	28 offline	27
11:45 AM	129 offline	48 offline (RE)	51 offline
(12:00 to 12:10 PM) Tea			
12:10 PM	135	161 (RE)	115
12:22 PM	141	162 (RE)	166
12:34 PM	151	194	84
12:46 PM	152	190 offline	92
12:58 PM	160	191 offline	168
1:10 PM	133	136 (RE) offline	165 offline
1:22 PM	148 offline	196-offline	
(01:40 to 2:10 PM) Lunch			
02:10 PM-03:30 PM	Keynote/Invited Talk (9, 10, 11 & 12) - (F2-Seminar Hall) Zoom Link: https://amity-edu.zoom.us/meeting/register/CHmZchEzTEGrrHt-DP_3uQ		
Parallel Technical Sessions			
(03:30 to 3:40 PM) Tea			
	Technical Session 11 (F2 Seminar Hall)	Technical Session 12 (F1 MDP Room)	Technical Session 13 (F3 MDP Hall)
	URL:1 (Given Below)	URL: 2 (Given Below)	URL: 3 (Given Below)
	Session Chair: Dr. Rakesh Kumar	Session Chair: Dr.Srinivas G	Session Chair: Dr. Om Praksah
	Session Co-Chair: Dr. Agneev Roy	Session Co-Chair: Dr. Thillai Kumar	Session Co-Chair: Dr. Challa P Rudesh
	T- Aerodynamics	T- Aerodynamics	T- Air Safety & Airborne
3:40 PM	149 offline	185	65
3:52 PM	174 offline	180 offline	74
4:04 PM	177 offline	183 offline	05 offline
4:16 PM	179 offline	193 offline	158 offline
04:35 PM-05:05 PM	Presentation of Conference report and Vote of thanks (F2-Seminaar Hall) Zoom Link: https://amity-edu.zoom.us/meeting/register/CHmZchEzTEGrrHt-DP_3uQ		
(5:05 to 5:15) High Tea			

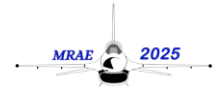


Track No.	Track Details
1	Aerodynamics, Fluid Dynamics, Wind Tunnel and Computational Fluid Dynamics
2	Aerospace Materials, Composite Materials and Manufacturing System
3	Air Safety, Airworthiness, and Environmental issues.
4	Airborne Defence Systems
5	Aircraft Control System and Stability.
6	Aircraft Maintenance, Overhauling, NDT, and other technical tests.
7	Artificial Intelligence and Machine Learning applications in Aerospace Engineering
8	Electric Mobility in Aerospace Engineering
9	Flight Mechanics.
10	Renewable Energy Application in Aerospace
11	Space Research, Rocketry, Avionics, and Instrumentation
12	Structural Analysis and Finite Element Method.
13	Unmanned Aerial Vehicles
S.No.	Zoom link for Online Presentation
1	URL:1 https://amity-edu.zoom.us/meeting/register/CHmZchEzTEGrrHt-DP_3uQ
2	URL:2 https://amity-edu.zoom.us/meeting/register/djFFRekFTHawE6egvDShKw
3	URL:3 https://amity-edu.zoom.us/meeting/register/Nv9d9K95RsGx9U-DcfvPYg
4	URL:4 https://amity-edu.zoom.us/meeting/register/okYbMu2IQKqr2TvvZN984w

Keynote/Invited Talk Schedule

(Zoom Link: https://amity-edu.zoom.us/meeting/register/CHmZchEzTEGrrHt-DP_3uQ)

S.No.	Date and Time	Title of the Talk	Speaker Name & Affiliation
1	25/09 11:30 – 11:50 AM	Hybrid Electric Multi-Lobed Airships For Cargo Transportation	Dr. Rajkumar S. Pant Professor of Aerospace Engineering Department Indian Institute of Technology, Bombay
2	25/09 11:50 – 12:10 PM	Natural Fiber Composites for Sustainable Development and Engineering Applications	Dr. Sanjay M R Principal Research Scientist (Specialist 3) & Associate Professor King Mongkut's University of Technology North Bangkok (KMUTNB), Thailand
3	25/09 02:15 – 02:35 PM	Integration Of Computer Vision & Ai with Drone for Revolutionary Technologies & Applications	Dr. Rakesh Kumar Professor & Head of Aerospace Engineering Department Punjab Engineering College (Deemed to be University), Chandigarh
4	25/09 02:35 – 02:55 PM	ANN(AI) Based Rocket Performance Prediction: Application of Artificial Neural Network For Predicting Trajectory Performance of A Rocket In Given Atmospheric Conditions	Dr. Om Prakash Professor, Mechanical and Aerospace Engineering UPES (Formerly, University of Petroleum and Energy Studies) Dehradun, Uttarakhand
5	25/09 02:55 – 03:15 PM	Natural Fibers and Polymer Composites For Sustainable Development And Aerospace Applications	Dr. H Jeevan Rao Postdoctoral Researcher Nazarbayev University – Astana, Kazakhstan
6	26/09 09:30 – 09:50 AM	Poly (Ether-Ether-Ketone) And Its Advanced Composites: Crystallinity, Microstructure, And Functional Performance	Dr. Bakytzhan Sariyev Assistant Professor Astana IT University (AITU), Kazakhstan



7	26/09 09:50 – 10:10 AM	Harnessing Ai Ethically for Scientific Research	Dr. Vishnu Vijay Kumar Researcher New York University, Abu Dhabi
8	26/09 10:10 – 10:30 AM	From Bees to Bots: Understanding Flight Manoeuvres of Flying Insects And Their Applications to Aircraft Guidance	Dr. Mahadeeswara Yadav Assistant Professor (Avionics & Aerial Robotics) in the Mechanical Cluster School of Advanced Engineering, UPES, Dehradun
9	26/09 02:10 – 02:30 PM	Efficient Algorithms for Isogeometric Contact Analysis	Dr. Sachin Singh Gautam Associate Professor in the Department of Mechanical Engineering Indian Institute of Technology, Guwahati
10	26/09 02:30 – 02:50 PM	Aerospace Materials, Machining Challenges and Solutions	Dr. Navneet Khanna Dean, Faculty Affairs and Associate Professor of Mechanical and Aerospace Engineering Institute of Infrastructure Technology Research and Management, Ahmedabad, India
11	26/09 02:50 – 03:10 PM	Unmanned Aerial Vehicles (Uavs): Shaping the Future of Flight	Dr. Jigar Sura Assistant Professor in the Department of Aeronautical Engineering Sardar Vallabhbhai Patel Institute of Technology (SVIT), Vasad
12	26/09 03:10 – 03:30 PM	Engineering Reliability and Next-Generation Gear Architectures: From Automated Bayesian Networks To Advanced Transmission Topologies	Dr. Andas Amrin Principal Investigator and coordinator of research projects Nazarbayev University Research Administration, Kazakhstan