



AMITY UNIVERSITY
UTTAR PRADESH



AMITY ACADEMIC STAFF COLLEGE

IN ASSOCIATION WITH

AMITY INSTITUTE OF FORENSIC SCIENCES

and

FORENSIC SCIENCE LABORATORY (Govt. of NCT of Delhi)

Organizes

15 Days Online Refresher Course

on

**“Emerging Trends and Challenges in Interdisciplinary Research
& Teaching in Science, Technology and
Intellectual Property Rights”**

Date: 16th June – 30th June, 2021

**Time: 14:00 hrs to 19:00 hrs IST (Monday-Saturday)
08:30 hrs - 12:30 hrs IST (Saturday only)**

Venue: Zoom Cloud Meet

Program Schedule

First Day

Date: 16/06/2021 (Wednesday)

Inaugural Ceremony		
14:00-14:05	Lightening of Lamp and Sarsawati Vandana	
14:05-14:20	Welcome Address and Introduction of 15 Days Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:25-14:30	Few Words by Dean Faculty of Science and Technology	Prof. (Dr.) Sunita Rattan Professor & Dean, Science and Technology, AUUP, Noida, India
14:30-14:35	Address by Hon'ble Director, Forensic Science Laboratory, Govt. of NCT of Delhi	Ms. Deepa Verma Co-Chairperson (Refresher Course) Director Forensic Science Laboratory, Govt. of NCT of Delhi, India
14:40-14:50	Address by Hon'ble Vice Chancellor, AUUP, India	Prof. (Dr.) Balvinder Shukla Chairperson (Refresher Course) Professor-Entrepreneurship, Leadership and IT Vice Chancellor, AUUP, India
Plenary Sessions		
14:55-16:05	Plenary session on “Empowering Teachers for Excellence in Higher Education in India in the 21st Century: Challenges and Opportunities”	Prof. (Dr.) A. K. Bakhshi Vice-Chancellor, PDM University, Bahadurgarh, Haryana, India
16:05-16:10	Address to queries of participants by Prof. (Dr.) Bakhshi	
16:15-17:05	Plenary session on “Year of Awareness on Science & Health (YASH: 2020-21) focusing COVID19”	Prof. (Dr.) Manoj Kumar Patariya Adviser & Scientist ‘G’ Science & Engineering Research Council (SERC) Department of Science & Technology (DST), Govt. of India New Delhi, India
17:05-17:10	Address to queries of participants by Prof. (Dr.) Patariya	
17:10-17:20	Break	
17:25-18:15	Plenary session on “Multinational Educational	Prof. (Dr.) Samar A. Ahmed Professor, Forensic Medicine, Ain Shams

	Research Teams”	University, Founding Director, ASU-MENA-FRI UNESCO Trainer (Bioethics), Egypt
18:15-18:20	Address to queries of participants by Prof. (Dr.) Ahmed	
18:25-19:15	Plenary session on “Introduction to Intellectual Property Rights”	Ms. Sangeeta Nagar Scientist F Patent Facilitating Centre (PFC), Technology Information Forecasting and Assessment Council (TIFAC), (An autonomous institution under Department of Science & Technology (DST), Govt. of India) New Delhi, India
19:15-19:20	Address to queries of participants by Ms. Nagar	
19:20-19:25	Concluding of first day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
19:25-19:30	Vote of Thanks	
19:30-20:00	Online Assessment and Feedback	

Second Day

Date: 17/06/2021 (Thursday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “Differentiating Patent and Research for Academicians”	Dr. Amrish Chandra Associate Professor & Registered Patent Agent Amity Institute of Pharmacy Amity University Uttar Pradesh, Noida, India
15:00-15:05	Address to queries of participants by Dr. Chandra	
15:10-16:00	Plenary session on “Trends in the Forensic Analysis of Cosmetic Trace Evidence”	Dr. Rajinder Singh Associate Professor & Head Department of Forensic Science Punjabi University, Patiala, India
16:00-16:05	Address to queries of participants by Dr. Singh	
16:10-17:00	Plenary session on “Modern trends in Forensic Document Examination”	Ms. Deepa Verma Director, Forensic Science Laboratory, Govt. of NCT of Delhi, New Delhi, India
17:00-17:05	Address to queries of participants by Ms. Verma	
17:05-17:15	Break	
17:20-18:50	Plenary session on “Forensic Evidence From Scene to Court”	Prof. (Dr.) Henry C. Lee Professor Emeritus Institute of Forensic Science Department Henry C. Lee College of Criminal Justice and Forensic Sciences Professor & Director at University of New Haven, West Haven, Connecticut, United States
18:50-18:55	Address to queries of participants by Prof. (Dr.) Lee	
19:00-19:50	Plenary session on “Nanotechnology: An innovation towards versatile applications ”	Dr. Ajay Kumar Mishra Director: Academy of Nanotechnology and Waste Water Innovations, Johannesburg, South Africa
19:50-19:55	Address to queries of participants by Dr. Mishra	
19:55-20:00	Concluding of second day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor

20:00-20:05	Vote of Thanks	& Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
20:05-20:35	Online Assessment and Feedback	

Third Day

Date: 18/06/2021 (Friday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “Herbal drugs and phytodiversity conservation”	Prof. (Dr.) Pravin C. Trivedi Vice Chancellor, Jai Narayan Vyas University, Jodhpur, Rajasthan, India
15:00-15:05	Address to queries of participants by Prof. (Dr.) Trivedi	
15:05-15:55	Plenary session on “A Novel Approach to Classify Lip Prints”	Prof. (Dr.) Mukesh Kumar Thakar Professor and Former Head Department of Forensic Science Punjabi University, Patiala, Punjab, India
15:55-16:00	Address to queries of participants by Prof. (Dr.) Thakar	
16:05-16:55	Plenary session on “Genomics and Bioinformatics Driven Research in Plant Science: An Update”	Prof. (Dr.) Dinesh Yadav Professor, Department of Biotechnology, Co-ordinator, Centre for Genomics and Bioinformatics, Nodal Officer IPR Cell, D.D.U. Gorakhpur University, Gorakhpur (U.P.), India
16:55-17:00	Address to queries of participants by Prof. (Dr.) Yadav	
17:00-17:10	Break	
17:15-18:05	Plenary session on “Herbal & Traditional Medicines: Hope in Covid 19 Pandemic”	Dr. Tanveer Naved Associate Professor & Joint Head Amity Institute of Pharmacy Amity University Uttar Pradesh, Noida, India
18:05-18:10	Address to queries of participants by Dr. Naved	
18:15-19:05	Plenary session on “Accessing Patent Information and Patent Search Techniques”	Ms. Sangeeta Nagar Scientist F Patent Facilitating Centre (PFC), Technology Information Forecasting and Assessment Council (TIFAC), (An autonomous institution under Department of Science & Technology (DST), Govt. of India) New Delhi, India
19:05-19:10	Address to queries of participants by Ms. Nagar	

19:10-19:15	Concluding of third day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
19:15-19:20	Vote of Thanks	
19:20-19:50	Online Assessment and Feedback	

Fourth Day

Date: 19/06/2021 (Saturday)

8:30-8:35	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
8:40-9:30	Plenary session on “Bloodstain Reconstruction and Pattern Recognition”	Dr. Sharon Plotkin Certified Crime Scene Investigator and Faculty-Miami Dade College, Miami, United States
9:30-9:35	Address to queries of participants by Dr. Plotkin	
9:40-10:30	Plenary session on “Lessons Learned from 40 Years in Forensic Science”	Mr. Barry A. J. Fisher Crime Laboratory Director, Retired, Los Angeles County Sheriff’s Department, United States
10:30-10:35	Address to queries of participants by Mr. Fisher	
10:40-11:30	Plenary session on “Various algorithms in Forensic Science”	Dr. Rajesh Verma Deputy Director, Forensic Science Laboratory Mandi, Himachal Pradesh, India
11:30-11:35	Address to queries of participants by Dr. Verma	
11:40-12:30	Plenary session on “Thirty years of Toxicology: From Evolution to Revolution”	Prof. (Dr.) V. V. Pillay Chief of Poison Control Centre & Clinical Forensic Unit, Professor & Head of F.M.T, A.S.M. Amrita Vishwa Vidyapeetham, Cochin, India
12:30-12:35	Address to queries of participants by Prof. (Dr.) Pillay	
12:35-14:00	Break	
14:00-14:50	Plenary session on “Understanding Biological invasions: Communicating, Concerns & Cautions in a Covid world”	Dr. Kavyanjali Shukla Zoologist & Author Hong Kong
14:50-14:55	Address to queries of participants by Dr. Shukla	
15:00-15:50	Plenary session on “Novel Root Endophytes for Sustainable Agriculture”	Dr. Amit C. Kharkwal Associate Professor & Dy. Director Amity Institute of Microbial Technology, Amity University Uttar Pradesh, Noida, India

15:50-15:55	Address to queries of participants by Dr. Kharkwal	
16:00-16:50	Plenary session on “Role of DNA Fingerprinting in Forensic Identification After HSCT”	Dr. Anupama Raina Senior Scientist, Department of Forensic Medicine, All India Institute of Medical Sciences (A.I.I.M.S.) New Delhi, India
16:50-16:55	Address to queries of participants by Dr. Raina	
16:55-17:05	Break	
17:10-18:00	Plenary session on “Maintaining mental health during the time of Covid 19 pandemic”	Dr. Tosendra Dwivedi Psychologist & Senior Faculty Amity Institute of Psychology & Allied Sciences, Amity University Uttar Pradesh, Noida, India
18:00-18:05	Address to queries of participants by Dr. Dwivedi	
18:10-19:00	Plenary session on “Scientific steps of Research”	Dr. Dipak Kumar Bose Associate Professor Dept. of Agricultural Extension & Communication Sam Higginbottom University of Agriculture, Technology and Sciences Prayagraj, Uttar Pradesh, India
19:00-19:05	Address to queries of participants by Dr. Bose	
19:05-19:10	Concluding of fourth day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
19:10-19:15	Vote of Thanks	
19:15-19:45	Online Assessment and Feedback	

Fifth Day

Date: 20/06/2021 (Sunday)

14:00-19:00	Home Assignment	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
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Sixth Day

Date: 21/06/2021 (Monday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “Forensic Journalism and Its Scope in India ”	Mr. Indrajeet Rai Investigative Forensic Journalist and Associate News Editor, ABP News, India
15:00-15:05	Address to queries of participants by Mr. Rai	
15:05-15:55	Plenary session on “Interphase of Biology with Computers”	Prof. (Mrs.) Krishna Misra Honorary Professor Indian Institute of Information Technology, Allahabad (U.P.), India
15:55-16:00	Address to queries of participants by Prof. (Mrs.) Misra	
16:05-16:55	Plenary session on “Journal Club & Researcher”	Prof. (Dr.) Pradeep Kumar M.V Professor & Head, Dept. of Forensic Medicine & Toxicology, Chamarajanagara Institute of Medical Sciences, Chamarajanagara, Karnataka, India.
16:55-17:05	Address to queries of participants by Prof. (Dr.) Kumar	
17:05-17:15	Break	
17:20-18:10	Plenary session on “GC-MS Instrumentation and Applications”	Dr. Soma Dasgupta Application Engineer, Agilent Technologies, India
18:10-18:15	Address to queries of participants by Dr. Dasgupta	
18:20-19:10	Plenary session on “Examination of Alcohol in Drunken Driving”	Dr. A. K. Jaiswal Senior Scientist, Department of Forensic Medicine, All India Institute of Medical Sciences (A.I.I.M.S.) New Delhi, India
19:10-19:15	Address to queries of participants by Dr. Jaiswal	
19:20-20:10	Special session on the occasion of International Yoga Day “Philosophy of Ashtanga Yoga, Nadi and Chakras”	Dr. Shivani Puri General Physician & Yogacharya (Yoga Teacher), New Delhi, India

20:10-20:15	Address to queries of participants by Dr. Puri	
20:15-20:20	Concluding of sixth day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
20:20-20:25	Vote of Thanks	
20:25-20:55	Online Assessment and Feedback	

Seventh Day

Date: 22/06/2021 (Tuesday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “Challenges in Sciences and Technology: A Critical Assesment”	Prof. (Dr.) A. K. Kapoor Anthropology Consultant, Former Vice- Chancellor Jiwaji University, Gwalior, M.P. and Former Professor & Head, Dept. of Anthropology, University of Delhi, Delhi, India
15:00-15:05	Address to queries of participants by Prof. (Dr.) Kapoor	
15:05-15:55	Plenary session on “The genomics of COVID-19 in India”	Prof. (Dr.) Gyaneshwer Chaubey Professor, Dept. of Zoology, Banaras Hindu University, Varanasi, Uttar Pradesh, India
15:55-16:00	Address to queries of participants by Prof. (Dr.) Chaubey	
16:05:-16:55	Plenary session on “Chemometrics in Trace Evidence Examination”	Dr. Vishal Sharma Chairperson/Head Institute of Forensic Science & Criminology, Panjab University Chandigarh, India
16:55-17:00	Address to queries of participants by Dr. Sharma	
17:00-17:10	Break	
17:15-18:05	Plenary session on “Challenges & Opportunities in Herbal Patenting”	Dr. Ramanpreet Walia Associate Professor & Registered Patent Agent Amity Institute of Pharmacy Amity University Uttar Pradesh, Noida, India
18:05-18:10	Address to queries of participants by Dr. Walia	
18:15-19:05	Plenary session on “Ethical Considerations of Research on Humans”	Prof. (Dr.) R. K. Gorea Professor & Head, Forensic Medicine & Toxicology Gian Sagar Medical College, Ram Nagar, Rajpura, Patiala, Punjab, India
19:05-19:10	Address to queries of participants by Prof. (Dr.) Gorea	
19:10-19:15	Concluding of seventh day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor

19:15-19:20	Vote of thanks	& Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
19:20-19:50	Online Assessment and Feedback	

Eighth Day

Date: 23/06/2021 (Wednesday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “The Facial Reconstruction: A method of identifying Unknown Individuals in Forensic Anthropology”	Prof. (Dr.) U. P. Singh Professor & Former Head, Dept. of Anthropology and Director Forensic Science Program, University of Lucknow, Lucknow, India
15:00-15:05	Address to queries of participants by Prof. (Dr.) Singh	
15:10-16:00	Plenary session on “Creativity, innovation & entrepreneurship - A synergistic plan to make India future-ready”	Dr. Tarakanta Jana Senior Principal Scientist, CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), New Delhi, India
16:00-16:05	Address to queries of participants by Dr. Jana	
16:10-17:00	Plenary session on “Writing and Presenting Research Protocol/Synopsis: Common Pitfalls to avoid”	Dr. Rohin Garg Associate Professor (Anatomy), All India Institute of Medical Sciences (AIIMS), Rajkot, Gujarat, India
17:00-17:05	Address to queries of participants by Dr. Garg	
17:05-17:15	Break	
17:20-18:10	Plenary session on “Empowering Teachers for Outcome based Education”	Dr. (Mrs.) Vimal Rarh Senior Faculty, Department of Chemistry & Forensic Science Unit, S.G.T.B. Khalsa College, University of Delhi, New Delhi, India
18:10-18:15	Address to queries of participants by Dr. (Mrs.) Rarh	
18:20-19:10	Plenary session on “Forensic Entrepreneurship”	Ms. Riva Pocha Forensic Expert and Founder, FACTS, India
19:10-19:15	Address to queries of participants by Ms. Pocha	
19:15-20:05	Plenary session on “The Crux of Critical Thinking for Academia”	Dr. Felix Bast Associate Professor and Head, Department of Botany, Central University of Punjab, Bathinda, Punjab, India

20:05-20:10	Address to queries of participants by Dr. Bast	
20:10-20:15	Concluding of eighth day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
20:15-20:20	Vote of Thanks	
20:20-20:50	Online Assessment and Feedback	

Ninth Day

Date: 24/06/2021 (Thursday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “Research in Forensic Science: Pure or Applied ?”	Prof. (Dr.) Devasish Bose Professor & Former Head, Dept. of Criminology & Forensic Science Dr. Harisingh Gour University (A Central University), Sagar (M.P.), India
15:00-15:05	Address to queries of participants by Prof. (Dr.) Bose	
15:10-16:00	Plenary session on “Research prospects in field of Forensic Physics”	Dr. Lav Kesharwani Senior Faculty and Research In charge, Dept. of Forensic Science, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, Uttar Pradesh, India
16:00-16:05	Address to queries of participants by Dr. Kesharwani	
16:10-17:00	Plenary session on “Analytical Chemistry in Forensic Investigation and Research”	Dr. Rakhi Agarwal Associate Professor, School of Forensic Science, National Forensic Sciences University Gandhinagar, Gujarat, India
17:00-17:05	Address to queries of participants by Dr. Agarwal	
17:05-17:15	Break	
17:20-18:10	Plenary session on “The Crux of Time Management for Academia”	Dr. Felix Bast Associate Professor and Head, Department of Botany, Central University of Punjab, Bathinda, Punjab, India
18:10-18:15	Address to queries of participants by Dr. Bast	
18:20-19:10	Plenary session on “Ventilation failures in High Rise Buildings during a Pandemic”	Mr. Klas C. Haglid Forensic Engineer & Principal of Haglid Engineering & Associates Inc.®, Fellow - NAFE of NSPE President of IBFESVP Policy and Procedures IBFESPaul Harris Fellow, New Jersey, United States
19:10- 19:15	Address to queries of participants by Mr. Haglid	

19:15- 19:20	Concluding of ninth day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
19:20- 19:25	Vote of Thanks	
19:25-19:55	Online Assessment and Feedback	

Tenth Day

Date: 25/06/2021 (Friday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “Emerging Challenges in Forensic Narcotic Drugs Investigation”	Dr. Astha Pandey Associate Professor and Head of Center of Excellence for Research & Analysis of Narcotic Drugs & Psychotropic Substances, School of Forensic Science National Forensic Sciences University Gandhinagar, Gujarat, India
15:00-15:05	Address to queries of participants by Dr. Pandey	
15:10-16:00	Plenary session on “Nanoparticles and it's Environmental impact”	Dr. Ashutosh Tripathi Environmentalist and Senior Faculty, Amity Institute of Environmental Sciences, Amity University Uttar Pradesh, Noida, India
16:00-16:05	Address to queries of participants by Dr. Tripathi	
16:10-17:10	Plenary session on “Forensic Chemistry: An Overview”	Mr. Amit Rawat Assistant Director, Chemistry Division, Forensic Science Laboratory, Rohini, Delhi, India
17:10-17:15	Address to queries of participants by Mr. Rawat	
17:15-17:25	Break	
17:30-18:20	Plenary session on “Coronavirus (COVID-19) Infection may effect on Thyroid disease”	Dr. Atindra Kumar Pandey Assistant Director (Biochemistry) National Centre for Disease Control (Ministry of Health & Family Welfare Government of India) Delhi, India
18:20-18:25	Address to queries of participants by Dr. Pandey	
18:30-19:20	Plenary session on “Geographical Offender Profiling. An introduction in theory and practice”	Dr. Domingo Magliocca Public Investigator, Certified Geographic Profiling Analyst Italy
19:20-19:25	Address to queries of participants by Dr. Magliocca	

19:30-21:00	Plenary session on “Idea of Correlation, Simple and Multiple Regression”	Prof (Dr.) G. P. Singh Professor, Department of Statistics, Institute of Science, BHU, Varanasi, India
21:00-21:05	Address to queries of participants by Prof. (Dr.) Singh	
21:05-21:10	Concluding of tenth day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
21:10-21:15	Vote of Thanks	
21:15-21:45	Online Assessment and Feedback	

Eleventh Day

Date: 26/06/2021 (Saturday)

8:30-8:35	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
8:40-9:30	Plenary session on “How to Find a Job in Forensic Science”	Mr. Barry A. J. Fisher Crime Laboratory Director, Retired, Los Angeles County Sheriff’s Department, United States
9:30-9:35	Address to queries of participants by Mr. Fisher	
9:40-10:30	Plenary session on “Trends in question document examination”	Dr. Kapil Kumar Associate Professor Department of Biochemistry and Forensic Science Gujarat University, Ahmedabad, Gujarat, India
10:30-10:35	Address to queries of participants by Dr. Kumar	
10:40-11:30	Plenary session on “Ethics in Forensic Science and Research”	Dr. R. K. Sarin Director, Forensic Science Laboratory, Amrawati, Andhra Pradesh, India
11:30-11:35	Address to queries of participants by Dr. Sarin	
11:40-12:30	Plenary session on “Interdisciplinary approach of Forensic Science”	Dr. Ajay Sharma Director, State Forensic Science Laboratory, Jaipur, Rajasthan, India
12:30-12:35	Address to queries of participants by Dr. Sharma	
12:35--13:55	Break	
14:00-14:50	Plenary session on “How technology and Neuroscience drive each other forward ?”	Prof. (Dr.) Sangeeta Sharma Professor, Dept. of Neuropsychopharmacology, Institute of Human Behaviour & Allied Sciences (IHBAS), Delhi, India
14:50-14:55	Address to queries of participants by Prof. (Dr.) Sharma	
15:00-15:50	Plenary session on “Developing and Running an Interdisciplinary Research Project: From Concept Design to Impact Evaluation”	Dr. Lata Gautam Associate Professor, Forensic and Investigative Sciences, Anglia Ruskin University, Cambridge, U.K. and Dr. Poshendra Satyal Global Forest Policy Coordinator, Bird

		Life International, Cambridge, U.K.
15:50-15:55	Address to queries of participants by Dr. Gautam and Dr. Satyal	
16:00-16:50	Plenary session on “Forensic Medicine challenges and opportunities during a pandemic/ infectious disease outbreak of unknown origin”	Prof. (Dr.) Dipayan Deb Barman Professor & Head, Dept. of Forensic Medicine & Toxicology Shri Sathya Sai Medical College & Research Institute Affiliated to Sri Balaji Vidyapeeth University, TN, India
16:50-16:55	Address to queries of participants Prof. (Dr.) Barman	
16:55-17:05	Break	
17:10-18:00	Plenary session on “Challenges and Prospects of IoT interoperability”	Prof. (Dr.) Tanya Singh Professor (Computer Science and Engineering) & Dy. Director (Academics), Amity University Uttar Pradesh, Noida, India
18:00-18:05	Address to queries of participants by Prof (Dr.) Singh	
18:10-19:00	Plenary session on “Forensic Science: The Interdisciplinary Approach to foster Research and Teaching”	Mr. Gregory J. Williams President of The Caribbean Association of Forensic Sciences (CAFS), Forensic consultant/scientist Forensic Lecturer/Course Coordinator Basic Medical Science Jamaica
19:00-19:05	Address to queries of participants by Mr. Williams	
19:10-20:00	Plenary session on “The Importance of Crime Lab Accreditation and How to go about the Accreditation Process”	Ms. Candace N. Walker Director, Atlanta Police Department Crime Laboratory Atlanta, USA
20:00-20:05	Address to queries of participants by Ms. Walker	
20:10-21:00	Plenary session on “Light Emitting Diodes: A next generation energy conservation devices”	Prof. (Dr.) O. P. Sinha Professor & Director Amity Institute of Nanotechnology, Amity University Uttar Pradesh, Noida, India
21:00-21:05	Address to queries of participants by Prof. (Dr.) Sinha	
21:05-21:10	Concluding of eleventh day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
21:10-21:15	Vote of Thanks	
21:15-21:45	Online Assessment and Feedback	

Twelfth Day

Date: 27/06/2021 (Sunday)

14:00-19:00	Home Assignment	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
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Thirteenth Day

Date: 28/06/2021 (Monday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “ Spirituality & Spiritual Values for Interdisciplinary Research & Teaching for Holistic Development of Life, Science & Society ”	Dr. K. Parameswaran Associate Professor of Law & Former Dean, Academic Affairs Gujarat National Law University, Gandhinagar (GNLU), Gujarat, India
15:00-15:05	Address to queries of participants by Dr. Parameswaran	
15:10-16:00	Plenary session on “ Advances in Chemical Development of Latent Fingerprints ”	Dr. G. S. Sodhi Associate Professor Department of Chemistry & Forensic Science S.G.T.B. Khalsa College University of Delhi, India
16:00-16:05	Address to queries of participants by Dr. Sodhi	
16:10-17:00	Plenary session on “ Art of Science Communication (with special reference to popular science writing and scripting) ”	Mr. Nimish Kapoor Sr. Scientist & Head Science Films Division, Publications Division and India Science Wire Vigyan Prasar, DST, Govt. of India, Noida - NCR, India
17:00-17:05	Address to queries of participants by Mr. Kapoor	
17:05-17:15	Break	
17:20-18:10	Plenary session on “ Detection of Deception and Truthfulness in Crime Investigation with Supreme Court Guidelines ”	Dr. Asha Srivastava Principal Scientific Officer & HOD (Forensic Psychology) Central Forensic Science Laboratory (CBI), New Delhi, India.
18:10-18:15	Address to queries of participants by Dr. Srivastava	
18:20-19:10	Plenary session on “ Material Science in Forensic Science ”	Dr. Mukesh Sharma Assistant Director (Physics) State Forensic Science Laboratory, Jaipur, Rajasthan, India
19:10-19:15	Address to queries of participants by Dr. Sharma	
19:20-20:10	Plenary session on “ Surface Modification for the Immobilization of Biomolecules and Fabrication of Nanobiosensor ”	Dr. N. K. Shukla Associate Professor, Dept. of Chemistry, Deen Dayal Upadhyay Gorakhpur University, Gorakhpur (U.P.), India

20:10-20:15	Address to queries of participants Dr. Shukla	
20:15-20:20	Concluding of thirteenth day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
20:20-20:25	Vote of Thanks	
20:25-20:55	Online Assessment and Feedback	

Fourteenth Day

Date: 29/06/2021 (Tuesday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “ Indian Forensics: overview and case judgments ”	Mr. K. V. Ravikumar I/C Pro-Vice Chancellor Rashtriya Raksha University Gandhinagar, Gujarat Pioneering National Security and Police University of India
15:00-15:05	Address to queries of participants by Mr. Ravikumar	
15:10-16:00	Plenary session on “ Role of Toxicology Laboratory in treatment of poisoning patient ”	Prof. (Dr.) Bhoopendra Singh Professor cum Toxicologist Dept. of Forensic Medicine and Toxicology Rajendra Institute of Medical Sciences, Ranchi, Jharkhand, India
16:00-16:05	Address to queries of participants by Prof. (Dr.) Singh	
16:10-17:00	Plenary session on “ Chromatographic Techniques in Research and Teaching ”	Prof. (Dr.) B. B. L. Srivastava Professor, Dept. of Chemistry, College of Natural and Mathematical Sciences, University of DODOMA, Tanzania
17:00-17:05	Address to queries of participants by Prof. (Dr.) Srivastava	
17:05-17:15	Break	
17:20-18:10	Plenary session on “ Fluid Dynamics for Blood Spurting Pattern ”	Prof. (Dr.) Basant Singh Sikarwar Professor and Head, Department of Mechanical Engineering Amity University, Noida, Uttar Pradesh, India
18:10-18:15	Address to queries of participants by Prof. (Dr.) Sikarwar	
18:20-19:10	Plenary session on “ Interdisciplinary research perspectives of forensic anthropology in relation to identification strategies of Ajnala skeletal remains ”	Dr. J. S. Sehrawat Senior Faculty, Department of Anthropology, Panjab University, Chandigarh, India
19:10-19:15	Address to queries of participants by Dr. Sehrawat	

19:20-20:10	Plenary session on “Firearms Examination: Basics, Facts, and Fiction”	Mr. Ronald L Singer Consulting Forensic Scientist, Texas, United States. Past President of the Association of Firearm and Tool Mark Examiners (AFTE) and the American Academy of Forensic Sciences
20:10-20:15	Address to queries of participants by Dr. Singer	
20:15-20:20	Concluding of fourteenth day of Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
20:20-20:25	Vote of Thanks	
20:25-20:55	Online Assessment and Feedback	

Fifteenth Day

Date: 30/06/2021 (Wednesday)

14:00-14:05	Welcome Address	Dr. Amarnath Mishra Programme Director, Assistant Professor and Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
14:10-15:00	Plenary session on “Instrumentations and Research Techniques”	Dr. Ravindra Kumar Sharma General Manager at Metal Handicrafts Service Centre [Under Control of DC-H, Ministry of Textiles, Govt. of India] Moradabad (U.P.), India
15:00-15:05	Address to queries of participants by Dr. Sharma	
15:05-15:55	Plenary session on “Forensic DNA typing: current practices and challenges (including real case studies)”	Dr. Pankaj Shrivastava Incharge and Assitt. Chemical Examiner to Govt. of MP DNA Fingerprinting Unit, State Forensic Science Laboratory, Deptt. of Home (Police), Govt. of MP , Sagar (MP), India
15:55-16:00	Address to queries of participants by Dr. Shrivastava	
16:05-16:55	Plenary session on “Science through Documentaries and Science Film Festivals in India to promote science film culture in the country”	Mr. Nimish Kapoor Sr. Scientist & Head Science Films Division, Publications Division and India Science Wire Vigyan Prasar, DST, Govt. of India, Noida - NCR, India
16:55-17:00	Address to queries of participants by Mr. Kapoor	
17:00-17:15	Break	
17:20-18:10	Plenary session on “Big Data Analytics in Biotechnology”	Dr. Shivani Chandra Senior Faculty, Centre for Cellular and Molecular Biotechnology, Amity Institute of Biotechnology ,Amity University Uttar Pradesh. Noida, India
18:10-18:15	Address to queries of participants by Dr. Chandra	
18:20-19:10	Plenary session on “Challenges in forensic speaker identification”	Mr. V. L. Narasimhan Assistant Director, Physics Division, Forensic Science Laboratory, Rohini, Delhi, India
19:10-19:15	Address to queries of participants by Mr. Narasimhan	
Valedictory Function		

19:15-19:25	Report of 15 Days Online Refresher Course	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
19:25-19:30	Few Words by Dean Faculty of Science and Technology	Prof. (Dr.) Sunita Rattan Professor & Dean, Science and Technology, AUUP, Noida, India
19:30-19:35	Address by Hon'ble Director, Forensic Science Laboratory, Govt. of NCT of Delhi	Ms. Deepa Verma Co-Chairperson (Refresher Course) Director Forensic Science Laboratory, Govt. of NCT of Delhi, India
19:40-19:55	Address by Chief Guest	-
20:00-20:15	Address by Hon'ble Vice Chancellor, AUUP, India	Prof. (Dr.) Balvinder Shukla Chairperson (Refresher Course) Professor-Entrepreneurship, Leadership and IT Vice Chancellor, AUUP, India
20:15-20:20	Vote of thanks	Dr. Amarnath Mishra Programme Director, Assistant Professor & Programme Leader, Amity Institute of Forensic Sciences, AUUP, Noida, India
20:20-20:55	Online Assessment and Feedback	