



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
 AICTE-ISTE SPONSORED REFRESHER PROGRAMME
 (ONLINE MODE) (SLOT 1) 19th to 25th February 2021

PROGRAMME SCHEDULE

	SESSION 1 9.00 AM-10.30 AM		SESSION 2 11.00AM-12.30 PM		SESSION 3 1.30 PM-3.00 PM		SESSION 4 3.15 PM-4.30 PM
DAY 1 19.02.2021 Friday	Analytical techniques for Characterization of Polymeric Biomaterials	TEA BREAK	Immunoblotting techniques	LUNCH BREAK	Fast Protein Liquid Chromatography	TEA BREAK	Nanoparticle Characterization techniques
	Dr. Mukesh Doble Professor Emeritus, Department of Biotechnology, IIT-Madras, Chennai		Dr. Ankur Gautam Lab Servive Manager, Merck High-end Skill Development Center, Chandigarh		Dr. J. Angayarkanni Assistant Professor, Bharathiar University, Coimbatore		Dr. M. Raj Kumar Assistant Professor (SG), Department of Chemistry, PSG College of Arts & Science, Coimbatore
DAY 2 20.02.2021 Saturday	Chromatographic Techniques	TEA BREAK	Flow cytometry	LUNCH BREAK	Real time PCR & High Resolution melt curve analysis in Molecular Diagnostics- A Case Study	TEA BREAK	VIRTUAL LABORATORY DEMONSTRATION HIGH RESOLUTION MELT CURVE ANALYSIS & DAY 2 TEST
	Mr. Thirumurugan Nagulsamy ASSOCIATE MANAGER – BIOSIMILARS, Biocon Limited, Bangalore		Mr. Mohammed Adil S Regulatory Quality Consultant, IVDR specialist, Immunodiagnostic Systems, UK		Mr. N. Sagar Scientific Officer, 1mg Technologies Private Limited- 1mg labs, Bangalore		



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DAY 3 22.02 2021 Monday	NMR Spectroscopy	TEA BREAK	Proteomic Techniques	LUNCH BREAK	FTIR Spectrum Interpretation	TEA BREAK	PRACTICAL ACTIVITY SESSION ON NMR INTERPRETATION & Day 3 Test
	Dr. S. Ponnuswamy Associate Professor and Head, PG and Research Department of Chemistry, Government Arts College, Coimbatore		Dr. R. Viswanathan Principal Scientist (Plant Pathology) and Acting Head, Division of Crop Protection, Sugarcane Breeding Institute (ICAR), Coimbatore		Dr. K. R. Aranganayagam AP I & Head i/c - Chemistry, Department of Science and Humanities, Kumaraguru College of Technology, Coimbatore		
DAY 4 23.02.2021 Tuesday	FTIR Instrumentation, Differences between KBr & ATR	TEA BREAK	Application of transcriptomics - Illumina seq and qRTPCR,	LUNCH BREAK	Thermoanalytical techniques	TEA BREAK	PRACTICAL ACTIVITY SESSION ON FTIR SPECTRUM INTERPRETATION & Day 4 Test
	Mr. Palani Customer Support Manager, Toshvin Private Limited, Chennai		Dr. M. Sathyabhama Assistant Professor, PSG College of Arts & Science, Coimbatore		Dr. Arul H Assistant Professor And Head, Physics Division, Kumaraguru College of Technology, Coimbatore		



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DAY 5 24.02.2021 Wednesday	Applications of Zeta Potential and Particle size analyser in polymer characterization,	TEA BREAK	Stress Management	LUNCH BREAK	Bioanalytical Technique in Upstream Processing	TEA BREAK	PRACTICAL ACTIVITY SESSION ON TGA ANALYSIS & Day 5 Test
	Dr. Kalpana Duraisamy Head, Product Development WAFE Auxillary Chemicals, Coimbatore		Mrs. Vallikala Office of student affairs, Kumaraguru College of Technology, Coimbatore		Mr. Sathish Scientist Research & Development Upstream Fermentation, Anthem Bioscience, Bangalore		
DAY 6 25.02.2021 Thursday	Nanomaterial Characterization Techniques	TEA BREAK	Characterization using XRD& AFM techniques	LUNCH BREAK	PRACTICAL ACTIVITY SESSION ON AFM & XRD ANALYSIS	TEA BREAK	DAY 6 TEST & VALEDICTORY SESSION AND FEEDBACK
	Dr. Ashok Kumar HOD, Department of Biotechnology, Periyar Maniammai Institute of sciences and Technology, Tanjore		Dr. C. Narendhar Assistant Professor, Department of Nanoscience and Technology, Sri Ramakrishna Engineering College, Coimbatore				