



National Institute of Technology Manipur Department of Physics

PRESENTS

TEQIP-III Sponsored 5 Day Workshop

On

“APPLICATIONS OF ELECTROMAGNETIC WAVES AND IT’S SIMULATION”

TIME TABLE

Dates: 04-08 February, 2019		Venue : Seminar Hall, NIT Manipur Langol Campus		
Day & Date	Session I 10:00 to 11:15h	Session II 11:30 to 12:30h	Session III 13:30-14:30h	Session IV 14:45-16:00h
04.03.19 Monday	Registration 9:30 to 10:30h Inaugural session	Fundamentals of Raman Spectroscopy (Associate Prof. Th. Gomti Devi, NERIST)	Raman Spectroscopy for molecules (Associate Prof. Th. Gomti Devi, NERIST)	Materials modeling and simulations (Dr. Manan Dholakia, SO(E), IGCAR)
05.03.19 Tuesday	Fundamentals of FTIR (Dr. S.S. Pati, Asst. Prof., NIT Jamshedpur)	Fundamentals of UV (Dr. S.S. Pati, Asst. Prof., NIT Jamshedpur)	From statistical mechanics to Molecular Dynamics (Dr. MananDholakia, SO(E), IGCAR)	LAB Visit for UV and FTIR spectroscopy
06.03.19 Wednesday	Basics of MD simulations (Dr. MananDholakia, SO(E), IGCAR)		Hands on training for analysis of XRD, Raman (Peak fit, MAUD/Full Proof)	
07.03.19 Thursday	Molecular Dynamics: Basics and applications (Dr. MananDholakia, SO(E), IGCAR)	Fundamentals of Mössbauer spectroscopy (Dr. L Herojit Singh, Asst. Prof., NIT Manipur)	Hands on training for analysis of Mössbauer spectra (Mosswin)	
08.03.19 Friday	Molecular Dynamics: Basics and applications (Dr. MananDholakia, SO(E), IGCAR)	Thermocouple as temperature sensor (Dr. Dushyant Singh, Asst. Prof., NIT Manipur)	Feedback and Valedictory Session	

Lunch: 12:30-13:30h, Tea Break: (a) Morning: 11:15 -11:30h & (b) Afternoon: 14:30-14:45h