RAMAIAH
ADVANCED TESTING LABORATORY

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COURSE TITLE:	ADVANCED TRAINING PROGRAM					
PROGRAM TITLE:	ADVANCED INSTRUMENTATION TRAINING PROGRAM ON SPECTROSCOPY & CHROMATOGRAPHY					
MODULES:	ICP Theory & ICP Practical GC Theory & GC Practical HPLC Theory & HPLC Practical LC-MS Theory & LC-MS Practical					
SCHEDULE:	ONE WEEK TRAINING PROGRAM					
DAY 1 **ICP** Theory	Session 1 10:00-11:30 Overview-Spectroscopy & Theory of ICP	11:30 - 11:45 - Break	Session 2 11:45-1:15 Instrument Components - Demo	1:15 - 2:00 - Lunch	Session 3 2:00-3:15 Troubleshooting & Maintenance	3:15 -3:30 - Break	Session 4 3:30-5:00 Method Development, Validation & Calibration
DAY 2 **ICP** Practicals	Session 5 10:00-11:30 Standardization & Sample Preparation		Session 6 11:45-1:15 Estimation		Session 7 2:00-3:15 Data Collection & Interpretation		Session 8 3:30-5:00 Calculation & Report
DAY 3 **GC** Theory	Session 1 10:00-11:30 Overview-Chromatography & Theory of GC		Session 2 11:45-1:15 Instrument Components - Demo		Session 3 2:00-3:15 Troubleshooting & Maintenance		Session 4 3:30-5:00 Method Development, Validation & Calibration
DAY 4 **GC** Practicals	Session 5 10:00-11:30 Standardization & Sample Preparation		Session 6 11:45-1:15 Estimation		Session 7 2:00-3:15 Data Collection & Interpretation		Session 8 3:30-5:00 Calculation & Report
DAY 5 **LC-MS/ HPLC** Theory	Session 1 10:00-11:30 Overview-Chromatography & Theory of LC-MS/HPLC		Session 2 11:45-1:15 Instrument Components - Demo		Session 3 2:00-3:15 Troubleshooting & Maintenance		Session 4 3:30-5:00 Method Development, Validation & Calibration
DAY 6 **LC-MS/ HPLC** Practicals	Session 5 10:00-11:30 Standardization & Sample Preparation		Session 6 11:45-1:15 Estimation		Session 7 2:00-3:15 Data Collection & Interpretation		Session 8 3:30-5:00 Calculation & Report