



AICTE Training and Learning (ATAL) Academy sponsored

Online Faculty Development Programme

On

"MEMS Technology & Microsensors"

July 26-30, 2021



PROGRAM SCHEDULE

INAUGURAL CEREMONY

9:00 AM – 9:30 AM	Monday, 26 July 2021	<p>Welcome address by Dr. Pradeep Kumar Rathore, Coordinator - FDP</p> <p>Address by Dr. Peesapati Rangababu, HOD, EC Department</p> <p>Address by Dr. Gitish Kishor Dutta, Dean(Research & Consultancy)</p> <p>Address by Prof. Bibhuti Bhusan Biswal, Director, NIT Meghalaya</p> <p>Special Address by Chief Guest, Shri. Surinder Singh, Director, Semi-Conductor Laboratory (SCL), Chandigarh</p> <p>Vote of thanks by Dr. Akhilendra Pratap Singh, Co-Coordinator - FDP</p>
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TECHNICAL TALKS

DAY & DATE	SESSION-1 (9:30 AM – 11:30 AM)	SESSION-2 (12:00 PM – 2:00 PM)	SESSION-3 (3:00 PM – 5:00 PM)
Monday, 26 July 2021	MEMS Overview and Opportunities (Dr. Jaspreet Singh)	Flexible substrate optical studies & Microscopy for biological cells (Dr. Gyanendra Singh)	MEMS Devices: Design and Fabrication (Smt. Isha Yadav)
Tuesday, 27 July 2021	Dielectrophoretic based MEMS sensing and particle separation (Prof. N.N. Sharma)	Smart Healthcare Technologies (Dr. Hardik Pandya)	Advanced Sensors and Systems for Brain and Breast Cancer Delineation (Dr. Hardik Pandya)
Wednesday, 28 July 2021	Human Values and Ethics (Prof. B.P. Sahu)	MEMS Impedance Flow Cytometry: A computation analysis for biological cell separation (Dr. Kulwant Singh)	How to implement MEMS technology for cost effective prototype development: A experimental case study on MEMS Pressure sensor (Dr. Kulwant Singh)
Thursday, 29 July 2021	Hands-on-training session using Intellisuite MEMS Software: Case Study-1 (Dr. Sripadaraja)	Hands-on-training session using Intellisuite MEMS Software: Case Study-2 (Dr. Sripadaraja)	Sensor interfacing with Embedded Systems (Dr. P. Rangababu)
Friday, 30 July 2021	Nanoscience & Nanofabrication Technologies (Dr. Nitin S. Kale)	Microsensors for Chemical & Biochemical Sensing applications (Dr. Nitin S. Kale)	Exam / Feedback Session & Valediction