

FDP- 24	ADVANCES IN MANUFACTURING & METROLOGY (2 weeks)	03.06.2019 to 14.06.2019
<p>OBJECTIVES:</p> <ul style="list-style-type: none"> ➤ To understand the metallurgical concepts and applications of casting. ➤ To understand the recent trends in Casting and Foundry layout. ➤ To understand the advances in Welding Techniques. ➤ To understand the functional aspects of Welding processes ➤ To understand the concepts of CNC, FMS & Robotics. ➤ To understand the principles of Computer Integrated Manufacturing. ➤ To understand the recent trends in metrology and inspection <p>PARTICIPANTS:</p> <p>Teachers from Mechanical, Production Automobile & Metallurgy Engineering disciplines.</p> <p>INPUT:</p> <p>Casting Design - Casting Metallurgy – Recent trends in Casting and Foundry layout – Features of Advanced Welding processes – TIG – MIG- High pressure pipe welding – Aluminum, Stainless Steel Welding- Submerged Arc Welding Review of CNC, Robotics - Flexible Manufacturing Systems – Rapid Prototyping - Computer Integrated Manufacturing – CAM softwares - recent trends in metrology – Laser Metrology - CMM – Optoelectronics and Vision Systems - Computer aided inspection</p> <p>PROCESS:</p> <ul style="list-style-type: none"> ➤ Lecture cum Demonstrations ➤ Fields Visits <p>OUTPUT:</p> <p>Enhanced understanding on recent trends in Casting and Welding Processes. recent trends in manufacturing and metrology aided with computer assisted control systems</p> <p>RESOURCE PERSONS:</p> <ul style="list-style-type: none"> ➤ Er. M. Senthilkumar ➤ Guest Faculty 		
COORDINATOR	VENUE	LAST DATE FOR RECEIPT OF APPLICATIONS
Dr. S. Somasundaram	NITTTR, Chennai	30 days prior to the start of the programme