



# Industrial Co-Teaching (ICoT) Course



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**Co coordinating Department** : AERO  
**Supporting Industry** : Harita Techserv Limited,  
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## Module 1: Die Casting

**Mentor 1: Mr.M.RAJADURAI**

- Casting processes of ferrous and non-ferrous metals including die casting,
- Investment casting, centrifugal casting, loam molding, transfer molding.
- principles, design of molds, risering, sprues and gating system, casting defects.

## Module 2: Sheet Metal Forming

**Mentor 2: Mr.S.VINODH**

- Sheet metal forming, Extrusion, hot and cold forging.
- Processing of thin Al tapes – Cladding of Al alloys
- Duplex and triplex steel rolling
- Thermo mechanical regimes of Ti and Al alloys during deformation – Formability of welded blank sheet
- Laser structured steel sheet - Formability of laminated sheet.

## Module 3: Unconventional Machining

**Mentor 3: Mr.S.VINODH**

- EDM, IBM, ECM, ECG, CM, AJM,
- Wire cut EDM, USM,
- LBM process principle, process parameters and their applications.
- Process capabilities and their applications.