

Course Contents:

Summarizing the **necessities** of an 'Industry-ready' Engineer



- **Engineering Fundamental & Concepts**

A. Domain Training:

Sr. No.	Modules	Resource Person
1	Styling- (Design basics, Product life cycle, Design studio, CAS surfaces)	Prof. M.B.Awate
2	Design and Development- (Body-in-White, Bonnet design case study, Functions, CAE, Durability, Crash)	Prof. B.R.Bijadar
3	CAE- (Product Lifecycle Management, Finite Element Analysis, Crashworthiness, discretization, NVH, EuroNCAP, HPC)	Prof. A.B.Magar
4	Formability- (Sheet metal design, simultaneous Engg., draw dies, draw model, Forming Limit Curve)	Prof. V.P.Kulkarni
5	Die Design- (Die design process, Presses, types of dies, working of	Prof. S.V.Kumbar

	dies, real life examples)	
6	Fixture design- (Fixture design process, welding, body coordinates, 3-2-1 principles, GD & T, Fixture elements, operations in sheet metal)	Dr. S.S.Metan

B. CatiaV5 Training (3 D Modelling with I – GET - IT E-learning Platform):

Sr. No.	Topics	Resource Person
1	Introduction to CATIA V5 & Sketcher	Prof.S.K.Khillare
2	Part Design 1 (Theory + Practice)	
3	Part Design 2 (Theory + Practice)	
4	Assembly (Theory + Practice)	
5	Drafting (Theory + Practice)	