

PV-ELITE COURSE

PRESSURE VESSEL DESIGN THEORY AND ANALYSIS - EXPERT LEVEL

- | | |
|---|--|
| • FUNDAMENTALS OF STRESS, STRAIN AND ELASTICITY | • INTRODUCTION TO PRESSURE VESSEL CODES |
| • TYPES & CLASSIFICATION OF STRESS | • DISCONTINUITY STRESSES & THERMAL STRESSES |
| • CONSTITUTIONAL RELATIONSHIP | • NOZZLE REINFORCEMENT CALCULATIONS |
| • THEORIES OF FAILURES | • WRC107/297 CALCULATION PROCEDURE |
| • INTRODUCTION TO PRESSURE VESSEL | • COMPARISON OF ASME SEC VIII DIV1 AND DIV2 AND DIV3 |
| • THIN SHELL AND THICK SHELL THEORY FOR PV | • FATIGUE CALCULATIONS |
| • PRESSURE VESSEL COMPONENTS AND MATERIALS | • MODAL CALCULATIONS |
| • CYLINDRICAL SHELL, CONICAL AND SPHERICAL . HEADS (HEMI SPHERICAL, ELLIPSOIDAL, TORI SPHERICAL, FLAT) | • INTRODUCTION TO PV-ELITE |
| • LOAD AND LOAD COMBINATIONS | • COMPONENT DESIGN SUCH AS SHELL, DISH AND NOZZLES |
| • STRESS CATEGORIES AND DESIGN LIMIT STRESSES | • FLANGE DESIGN AND ANALYSIS |
| • PRESSURE VESSEL SUPPORTS. (SKIRT, LUG, LEG, SADDLE) | • PROCESS COLUMN DESIGN |
| • PRINCIPLES OF SADDLE SUPPORT DESIGN FOR LARGE HORIZONTAL PRESSURE VESSELS | • INSPECTION & TESTING OF PV |
| • PRINCIPLES OF TALL CYLINDRICAL SELF-SUPPORTING PROCESSING COLUMN DESIGN & INTERNALS (TRAYS AND PACKING) | • HEAT TREATMENT OF PV |
| • SUPPORTS FOR SHORT VERTICAL VESSELS | • HOW TO HANDLE PD5500 & EN13448 |

DURATION: 20 -25 Hrs. (Variable based on candidate)

FEES : Rs 25000 only



Call / WhatsApp :

+918800604940

Mail id :

engineers@danlin.in

Website :

www.danlin.in

