

## Advanced NDT Training Course Description

### ***Phased Array Ultrasonic Testing (PAUT) and Time of Flight Diffraction (TOFD) Courses***

The Phased Array Ultrasonic Testing (PAUT) course and Time of Flight Diffraction (TOFD) course provide the knowledge required to operate Omni scan equipment and perform manual & encoded Phased Array testing and Time of Flight Diffraction on butt welds in Plates, Pipes and Pressure Vessels. The courses cover theoretical and practical aspects on Phased Array and Time of Flight Diffraction applications, their advantages and limitations. The courses also cover the requirements for application of Phased Array and Time of Flight Diffraction as per code requirements (ASME code case 2235, B31.3 code case 181...etc). To impart adequate understanding for onsite application, our training is done using all necessary accessories such as calibration blocks, validation samples, encoders, scanners for different size applications...etc.

For these courses, we strongly recommend participants to possess hands on experience in UT weld examination as Level II or Level III qualification. Our courses structures are compiled based on the guidelines established in CP-105: 2011. At the end of courses, examinations shall be conducted in General, Specific and Practical, and qualify to PAUT/TOFD Level II based on employer's written practice (if requested, JIC-NDTTC could provide assistance incorporating the requirements of PAUT/TOFD qualification according to employer's written practice). The training shall be conducted by experienced PAUT practitioners and academic professionals who have been working in the application of PAUT/TOFD.

#### **Training Fees:**

**PAUT: SR 15,727.00**  
**TOFD: SR 15,727.00**

*Note: Fees are subject to change without prior notice.*

- Fees in Saudi Riyals shall be made in favor of:  
Jubail Industrial College (JIC)  
Account Number : 065 211 28000 104  
Bank Name : Al-Ahli Bank Jubail Branch  
Account Name : SPECIAL PROGRAM  
IBAN Number : SA 231 000 000 652 112 800 0104