

## **RECOMMENDED TYPES OF ACTIVITY SUITABLE FOR C U E D INDUSTRIAL EXPERIENCE REQUIREMENTS**

### **RESEARCH**

- gathering of existing knowledge
- extending knowledge through experimentation
- examining existing practices and improving them

### **DESIGN**

- outline, sketch, plan, for future product
- production of arrangement or layout
- production of plans and drawings to be used in manufacturing construction processes
- creation of systems
- calculation of costs
- choice of materials

### **DEVELOPMENT**

- taking plans and putting them into practice working in production to improve procedures
- commissioning of plant and procedures
- optimisation of productive capacity
- test of prototypes and analysis of results

### **MANUFACTURING**

- acquisition of materials
- planning of production schedules
- assembly manufacture
- control and automation
- maintenance and repair of machinery and equipment
- quality control and testing of components and manufactured products

### **AFTER SALES & TECHNICAL SUPPORT**

- - technical support to customers
- - servicing and repair

### **SYSTEMS ENGINEERING**

- Integration of engineering functions
- Gathering and Management of data for analysis and feedback.
- Software control of engineering functions
- Management of systems