The multi-disciplinary home for Engineers & Technicians

Communications
Consumer Technology
Control
Defence and Security
Electronics
IT
Management
Manufacturing
Power
Building Services
Sustainability
Transport

Largest UK professional engineering institution with over 150,000 members worldwide
Inclusive and collaborative with all who share our vision
Background to The IET

- Long tradition of pre-eminence as the Institution of Electrical Engineers
- Absorbed the Electronic & Radio + Manufacturing institutions
- Name change from 2006 included the already multi-disciplinary Institution of Incorporated Engineers
- The IET was intended to include The IMechE
- Currently sharing the IMechE London HQ, with an agenda of closer collaboration
Why Roy Bowdler?

- Joined IET staff at the end of 2008
- Previous 30+yr career in Power & Built Environment sectors
- Technician Apprentice to major company Head of Training
- Collaborated closely as an Employer with FE & HE Institutions
- Not accreditation, a pragmatic view
Benefits of work-based learning

- Close integration of learning and practice creates synergy between the different elements.
- Separating learning and practice is less effective in developing professional competence.
- Since the workplace opportunities are variable and sometimes unpredictable, more difficult to standardise.
IET policy towards Gateways

- A critical friend, committed to the shared goal of developing knowledge, competence and professionalism.
- Becoming a 4th key stakeholder i.e. Individual, Employer, HEI + PEI.
- A “light touch” - most of the energy and resources are being committed by the first three.
Protocol Process

- Individual Membership
- Diagnosis of professional development needs
- Creation of an effective programme worthy of an Engineering MSc/Bachelors (academic standards) with competence development in parallel (professional standards)
- Initial benchmark also professional
Experience so far

- Supported institutions outside the initial consortium such as Portsmouth & Aston
- For the MSc programme proven professional practice at or close to Incorporated Engineer is suggested at the start. Where there is any doubt we recommend an IEng registration assessment. A demanding recommendation!
The value of IEng

- A strong benchmark characterised as a “manager of established technology”
- Core professional pathway Higher Apprenticeship QCF level 6 (Bachelors), but 5 (FD/HND) also exemplifying with Further Learning
- IET IEng registrants include many senior and mid-level managers in organisations
- Competence assessment based on professional achievement. Many more recent IEng registrants hold higher degrees.
- CEng requires additional technical responsibility.
Success!

Technician Apprentice at 17 - Chartered Engineer at 25

First IEng via the Aston Bachelors pathway currently under assessment
Developing the model

- Built on the apprenticeship concept extended through Bachelors and Masters standard
- Capable of high-quality competence development
- Not cheap or simple but capable of generating a positive return on investment (ROI)