

Your Professional Development Route Map

Dr Katherine Forsey – HEaTED Manager

@HEaTEDtechs #HEaTEDtechs



Summary

- Future trends in the technical job market helping you prepare.
- The support, networks, training and development activities available to you.
- Work with other professionals to share best practice and leave with an action plan..
- Shape the future provision available through HEaTED and request tailored activities – note down your answers to the pink questions



Why do you need an action plan?

The UK needs 70,000 new technicians every year, that's 700,000 in the next decade.

The technical skill set is increasingly in demand and technical roles are diversifying. Is your organisation ready?

<u>HEaTED</u> support professional development of the technical workforce and are here to support you to proactively manage your own career development.

We will let you know what to expect, what skills the technical workforce needs and what support is available to you through HEaTED.



The Future of Work: Jobs and skills in 2030

- The technical profile of many jobs will increase
- High demand for individuals with a blend of technical training and skills and softer collaborative skills
- Increased demand for those willing and able to jump across specialist knowledge boundaries as technologies and disciplines converge
- Increased demand for individuals with multi-disciplinary technical, commercial and management skills



What skills will be in demand in the future job market

- 1. Skilled trade jobs including plumbers and electricians. Due to the continuing focus on university education as opposed to trade or technical programmes.
- 2. Engineering jobs mechanical, electrical and civil engineers are in short supply and high demand.
- 3. Sales representatives there is a shortage of experienced sales people who can effectively contribute to an organization's revenue growth.
- 4. Technicians new technology trends present a challenge for companies as they try to find people with current skills to manage them.
- 5. Accounting staff competent accounting staff are in high demand globally



The hardest job to fill in 2015

- Skilled Trade Workers
- 2. Drivers
- 3. Teachers
- 4. Sales Representatives
- Administrative Professionals
- 6. Management/Executives
- 7. Nurses
- 8. Technicians
- 9. Accounting and Finance Staff
- 10. Engineers

Technicians in the top 10 in 2006, 7, 8, 9,10, 13 and 15 – that's 7 of the last 10 years!



What does this all mean?

Challenges for employers

- Increased competition for skilled technical staff
- Difficultly filling vacancies, longer recruitment processes
- Aging workforce
- Succession planning essential
- Apprenticeship programmes apprenticeship levy



What does this all mean?

Opportunities for technicians - technical skills are in demand. **BUT technicians must be:**

- Agile and able to work cross-discipline
- Commercially minded
- Up to date with their professional development
- Ready to respond to new challenges
- Collaborative
- Visible



HEaTED - helping you prepare

- What is HEaTED?
- What do you need?
- How can HEaTED help you prepare for future challenges?



What is HEaTED?

Delivering professional development for the technical workforce

- Membership organisation
- Specifically for technical staff
- Over 70 Member Institutions
- Providing support for over 7000 individuals
- Sign up FREE today



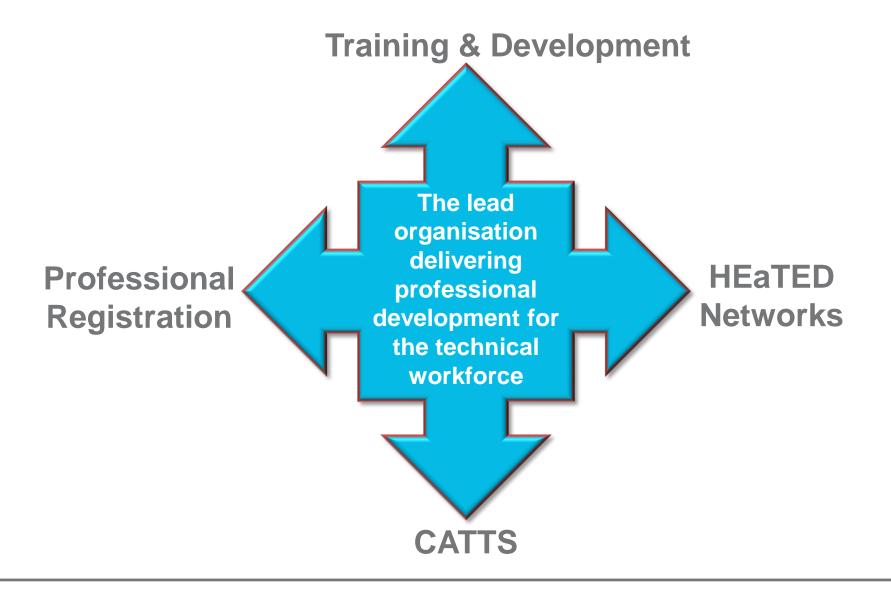
What do you need?

How HEaTED support

- You personally
- Your technical workforce
- Your institution

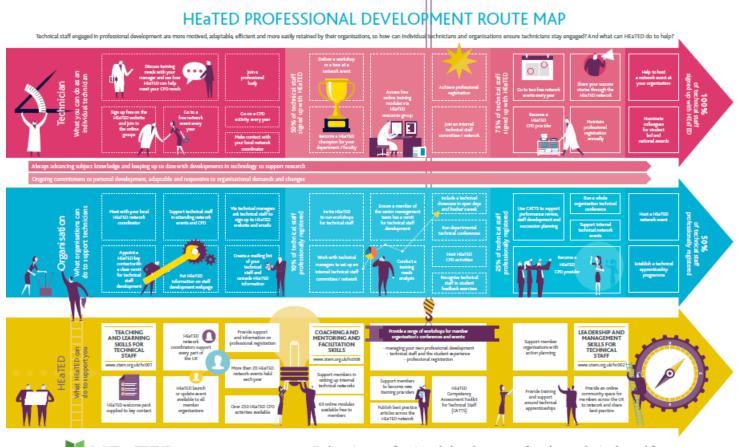
Note down one thing HEaTED could do to support your professional development







Professional Development Route Map





Delivering professional development for the technical workforce www.stem.org.uk/heated



Delivering professional development for the technical workforce

www.stem.org.uk/heated

Training and Development



HEaTED Magazine

Sent to all member organisations
Search online listings or download here





Training and Development

- Standard <u>course listings</u>
- On demand / in house courses in your Institution
- Bespoke sessions tailored to suit your needs
- New courses added on a needs basis
- If you need it we can source it, ask HEaTED first
- By our members for our members
- Hundreds of technicians access training through HEaTED
- Save £'s by booking through HEaTED
- What are your training needs this year?
- What do you want to see running in your area?



Training and Development

We are seeking new course providers

Confidence Building - Profile Raising - Career Progressing Revenue Generating

What can you, your department, your organisation offer?

Teaching & Learning Skills for Technical Staff Module 2 gain the skills necessary to develop into a training role



HEaTED Networks - be visible

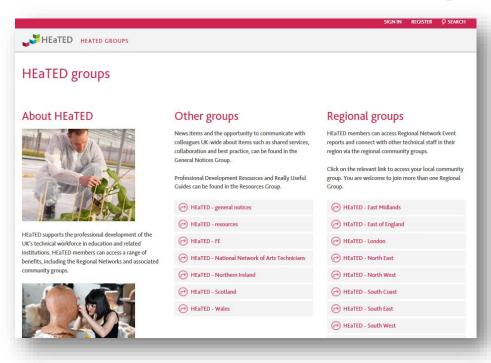


- Cover the entire UK
- Free network events
- Connect and collaborate with peers and colleagues from other organisations
- You set event agendas
- Workshops, tours, presentations, discussions and more.
- Over 850 technicians attended HEaTED events last year
- You can attends events in ANY location
- Details of all events on our website
- Full member organisation list <u>here</u>
- What do you want at future events?



HEaTED Networks

HEaTED Online Groups



- Your virtual Network
- Free to use
- Connect with technicians from across the UK
- Share resources
- What can you share?
- What could you ask for help with?



CATTS - recognising your skills HEaTED Competency Assessment Toolkit for Technical Staff

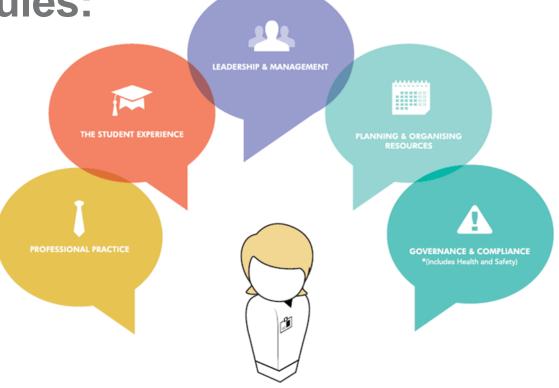
HEaTED members asked for help with organisational and individual performance assessment.

- CATTS is specifically for technical staff, designed by Technical Managers and HR professionals
- CATTS changes the way technicians explore performance. Shift in thinking towards continuous review and improvement
- CATTS resource pack/toolkit assesses current competency and supports planning for future demands and needs



CATTS addresses 5 key competency areas







Each Module - Behavioural Indicators

The 5 CATTS Modules

Behavioural indicators PROFESSIONAL PRACTICE	Behavioural indicators THE STUDENT EXPERIENCE	Behavioural indicators LEADERSHIP & MANAGEMENT	Behavioural indicators PLANNING & ORGANISING RESOURCES	Behavioural indicators GOVERNANCE & COMPLIANCE*
 Use initiative and problem solve Responsibility for machinery or equipment Use tools and instruments Investigate, Assay & Research, model and implement Gather, record and manipulate data Provide critical input & feedback. 	 Providing information and advice about procedures for using equipment or resources Provision of technical support within a service centre or academic teaching or research area Technical Support provided during scheduled learning and teaching activities Support provided with guided independent study Support provided with fieldwork Involvement with the preparation of coursework and or curating. Involvement with presentation or exhibition of students work for assessment purposes. Input to informal assessment 	Role in team Exercise of leadership to others	Operational planning Strategic planning	 Organisational Policy and Procedures Health & Safety



Within each behavioural indicator there are **5 levels of competency** to be matched against:

- 1. Learner
- 2. Experimentalist
- 3. Practitioner
- 4. Specialist
- 5. Expert



The aim is to progress through these levels



Successful implementation will mean...

Technical staff regularly assess their own competency and professionalism and own their own development.

Line managers / reviewers engage regularly with their reviewees to ensure a competent, proactive, professional workforce ready to respond to changing needs.

CATTS is available NOW, £250 member organisations and £450 non members. Payment is per institution.



Institutions using CATTS

- University of Westminster
- University of York
- University of Southampton
- Coventry University
- Northumbria University

- University of Exeter
- University of Lincoln
- University of Derby
- Brunel University
- King's College London



Professional Registration

The role of HEaTED

- All HEaTED courses help you meet the competencies make every CPD instance count
- HEaTED Network Events and contribution to the Online Groups demonstrate your commitment to professional development and contribution to the Technical Community
- Sign posting routes to Registration
- Hundreds of technicians use HEaTED activities as evidence for application or renewal of professional registration
- Successfully lobbied for an equivalent professional register for the Arts.



Your next steps

Get involved - use your member benefits

- Update your profile and let us send you emails
- Host and come to free HEaTED Network Events
- Register and post in the Online Groups
- Access training courses in person and online
- Run your own course through HEaTED
- Tell HEaTED what training you need
- Tweet!!
- Write share your best practice through our magazine, website and online groups



What's coming up near me?

- Coaching and mentoring skills for technicians, King's College London, 6 October
- Premiere Pro ACA, London, 24 28 October
- PAT training course, Epsom, 25 October
- Basic practical electronics, City and Islington College, 14
 November
- Illustrator ACA, London, 5 9 December
- London & South East Network Event, University of Reading, 16 February 2017



What do you need?

Shape HEaTED's future provision

- Note down one thing HEaTED could do to support your professional development
- What are your training needs this year?
- What courses do you want to see running in your area?
- What do you want to see at future events?
- What can you share in the online groups?
- What do you need help with?



Contact Us

HEaTED Managers

Sue Churm s.churm@stem.org.uk @HEaTEDsue

HEaTED Central Team admin@heated.ac.uk 01904 328173 @HEaTEDtechs Katherine Forsey k.forsey@stem.org.uk

@DrBiol

