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# The NTDC Technician Survey



### What is the NTDC Technician Survey?

- A web-based survey designed to capture every element of a technician's role and experience
- Includes a database over 3000 individual technical skills
- Completed at 15 universities around the UK and internationally
- Designed to support CPD, career development and workforce planning



## How does the survey work?

- The survey is tailored to each organisation through discussions with technicians and managers
- Hosted on Qualtrics, a well-respected online survey platform



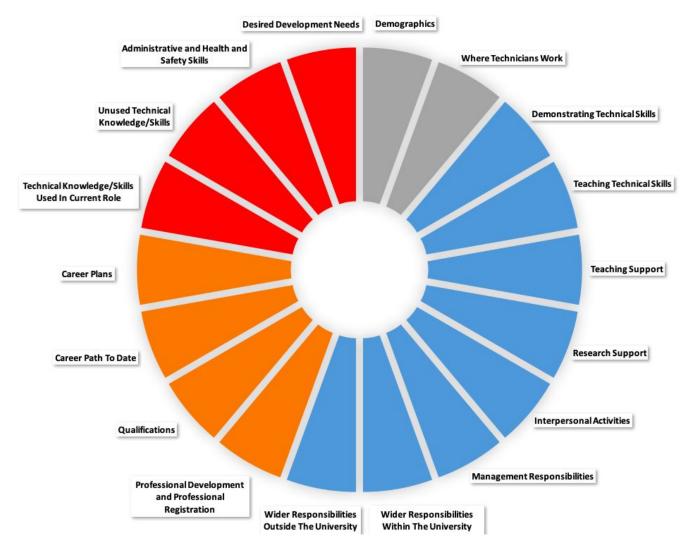
### Purpose of the Survey - Quotes from participating universities

"The purpose of this survey is to **gain a better understanding of our technical workforce**, to be able to **deliver positive change** based on the key themes of the Technician Commitment. This includes **raising the visibility of technicians**... their skills, knowledge and qualifications **enabling career progression** and ensuring the **future sustainability** of those skills".

"Whilst we have a good understanding of the skills that we currently use..., these capabilities are not currently formally documented and therefore as part of the Technician Commitment project we want to **further develop our understanding** of these to better **support career pathways and future planning**".

"To form an integral part of the **development of career pathways** for technicians...**highlighting the crucial, but often hidden, role technicians play** in delivering excellent research and teaching".





# **Question Types**

|  | Aeronautics             |
|--|-------------------------|
|  | Animal Handling         |
|  | Astronomy               |
|  | Automotive              |
|  | Bioinformatics          |
|  | Biomechanics            |
|  | ☐ Building Services     |
|  | Clinical Skills         |
|  | Controlled Environments |



## **Question Types**

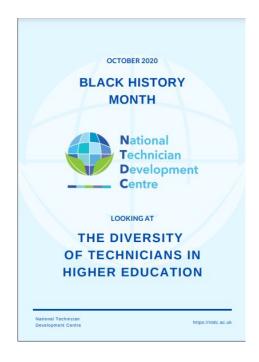
#### **Aeronautics**

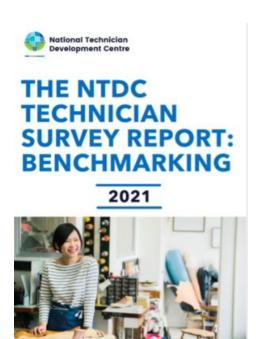
Please select the description that best describes your knowledge/skills/experience in the following. If none of the skills on this page are relevant to you, please select 'None of the above' at the bottom of the list.

|  | I have<br>knowledge/skills<br>but not using in<br>current role | I am using<br>knowledge/skills<br>in current role<br>at operational<br>level | I am using expert knowledge/skills in current role - able to teach and/or inform research design | No<br>knowledge/<br>skills/<br>experience |
|--|--|--|--|---|
| Flight simulator maintenance and use                               | 0  | 0  | 0  | 0   |
| Wind tunnels   | 0  | 0  | 0  | 0   |
| Construction, alterations and maintenance of UAV/SUA/SUSA (Drones) | 0  | 0  | 0  | 0   |
| Wind tunnel associated instrumentation                             | 0  | 0  | 0  | 0   |



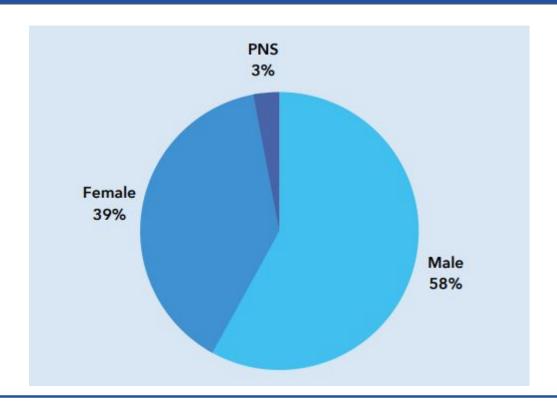
## **Outputs - Benchmarking Data**





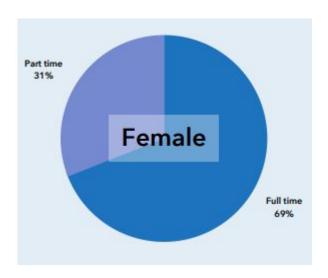


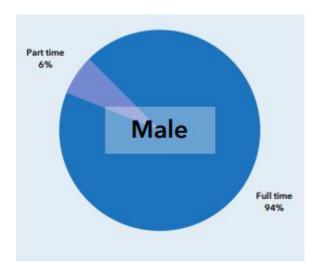
### **Data: Gender Breakdown**





## **Data: Gender by Working Pattern**







## **MI Talent Report**

"Offering appropriate professional development opportunities for technical workforces is a necessity for employers of technical staff who hope to have access to the necessary skills and expertise to support emerging developments within future research, innovation and education."

- MITalent Commission Report, February 2022

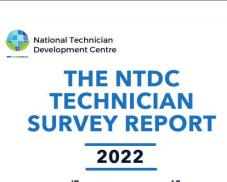


## NTDC Training and Development Report

The highlighted areas are:

- -Health and Safety
- -Management
- -Interpersonal Skills

These areas were chosen as they received responses from the highest number of technical staff, and contained skills that were most prevalent across the technical staff surveyed.

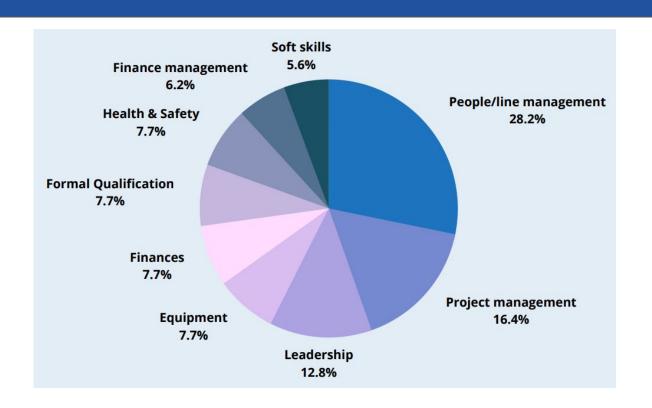




TRAINING AND DEVELOPMENT



## **Management Training Requests**



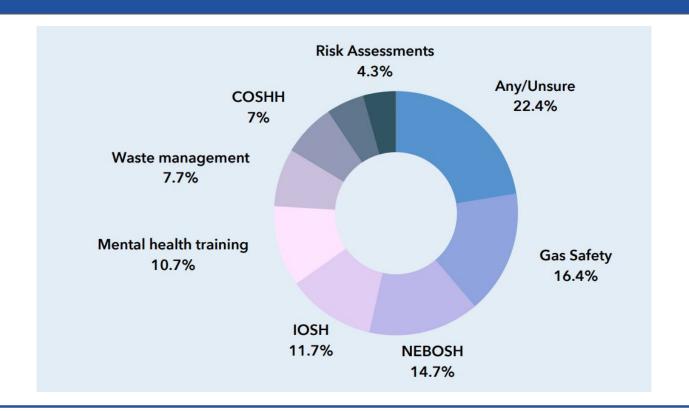


## Interpersonal Training Requests





## **Health and Safety Training Requests**





### Find out more

READ AND
DOWNLOAD THE
FULL REPORT:





THE NTDC
TECHNICIAN
SURVEY REPORT

2022



TRAINING AND DEVELOPMENT



### **MI Talent Recommendations**

R3

Employers of technical staff should collect, report and analyse data on their technical workforce, with careful consideration of those roles at the interface with academic roles. To enable sector level understanding, a new, simple, and fit-for-purpose classification for technical roles should be developed."

R4

"Employers of technical staff, funding bodies, and learned societies should undertake targeted and specific action to address the equality, diversity and inclusion (EDI) challenges facing the technical community." R11

"Employers of technical staff, publishers and other sector bodies (e.g. professional associations and learned societies) should ensure the contributions of technical staff are visible and recognised."

R13

"Employers of technical staff should form partnerships with organisations and initiatives that provide technical and vocational training, to ensure sharing of knowledge and skills, to facilitate the identification of skills needed to deploy emerging technologies, and to inform the development of suitable future training syllabi."



### Find out more

www.ntdc.ac.uk/tech-survey







Higher Education and Technician Educational Development

**CPD Networking Recruitment Resources News** 















In 2020 HEaTED became part of the National Technician Development Centre (NTDC) at the University of Sheffield







We will be hosting our new course 'Train The Technical Trainer' onsite at the University of Sheffield on the 20th & 21st July 2022. Get in touch now to reserve your place.

HEaTED is a leading organisation for Higher Education and Technician Educational Development, providing opportunities for the technical workforce to engage with CPD and training, as well as delivering networking events for all specialities.

#### WHAT WE CAN OFFER



#### **CPD HUB**

Browse our CPD activities, designed to inspire technicians at every stage of their career.

#### RECRUITMENT



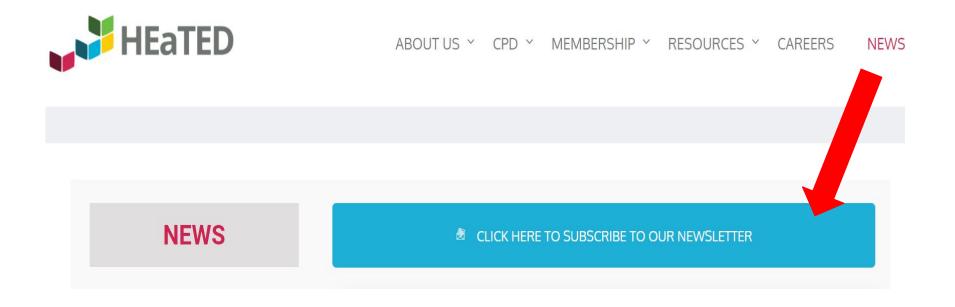
#### **NEXT COURSE**



11/05/2022 & 19/ Privacy & Cookies Policy

### Weekly updates sent through our newsletters and mailers

# www.heated.org.uk





### **EXPLORE CPD COURSES**

Welcome to our <u>CPD Hub</u>. Below you can browse our range of CPD activities that we offer, designed to inspire technicians at every stage of their career.

Click here to search course categories

Click here to search our CPD calendar





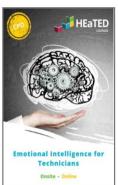




## HEATED We now have 23 HEaTED exclusive online courses for Technical Services staff with dates scheduled through to the end of 2023









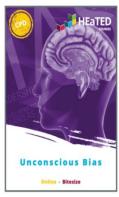




















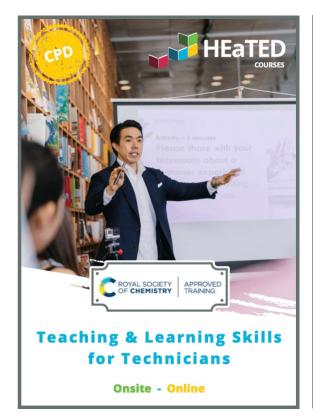






### HEATED Including three HEaTED courses, officially approved by the Royal Society of Chemistry

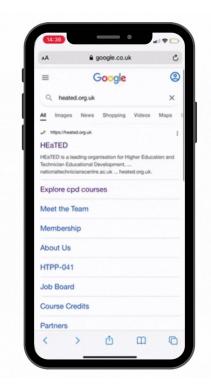












### How to book onto our courses...

- Head to our website -Heated.org.uk
- Click CPD See all CPD
- Choose from our range of exclusive HEaTED Courses or Third Party Courses
- 4. Click the date you would like to attend the course
- 5. Secure your place either by paying via card or raising a PO with your finance team
- 6. We'll then get in touch with your booking confirmation and event invite



### **HEaTED Course Credits**

Our course credits not only give you a further sizeable discount on courses, but you can buy as many as you want and use them whenever you need to, reducing processing time and making it simple for people to book onto courses at short notice.













| Course Credit | Value | Cost    |  |
|---------------|-------|---------|--|
| Online        | £185  | £157.25 |  |
| Onsite        | £285  | £242.25 |  |



### New for 2022-2023 Courses, Networks and Events

### Bespoke facilitation:

- Value for money
- Helps staff build connections in the organisation
- Minimised costs onsite removes staff travel and subsistence expenses
- Increased convenience and flexibility
- Onsite/Online: venue and location of your choice

Contact <u>heated@sheffield.ac.u</u>k for a bespoke facilitation quote



### What does CPD mean to technical colleagues?



It gives me a chance to develop and learn new skills or learn new up to date methods - it is important to feel confident in your role and to also have the much needed support of those above to help guide you on your professional journey.

Senior Technician - QUB



CPD gives me an opportunity to keep learning. Everything you learn gives you a new perspective on things you might do every day. It provides an opportunity to network, spreading good practice and to see how things are done in different institutions. It renews my enthusiasm for my current role and allows insights into other roles.

Research Technician - Cardiff



CPD keeps me invested, it creates opportunities and it challenges me. It keeps me on my toes, gives me new strategies to handle things and it prepares me for a next day, filled with new problems and new ways for me to participate.

Research Associate - KCL



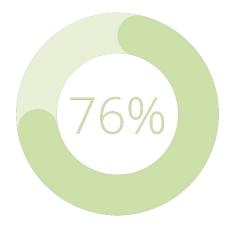
### Following the course did you feel more confident in your abilities to carry out your role?



84% of learners said they feel more confident in their ability to carry out their role after attending the course.



### Has the learning had a positive effect on your day to day working life?



76% of learners said the learning from the course had a positive effect on their day to day working life.



### Have you kept in touch with any of your fellow attendees?







1 in 4 people have made a new connection and kept in touch with a fellow learner.

The undertaking of continuing professional development of technical services staff can impact not only the confidence, positivity and proactivity of an individual or team but can also positively affect working and personal relationships.



### Recent HEaTED Networking Events Free for Members

- Apprenticeships80 people
- Sustainability in Labs Martin Farley, UCL & LEAF 240 people
- Resilience in the Workplace Dr Annie Wright 140 people
- CPD Shared Experiences, Problems and Solutions
   125
- Newly created HEaTED Creative Practitioners Network







- What is the HCPN?
- What is its purpose?
- How can I join?





"I enjoy these events as it gives us a chance to share our experiences and hopefully start to create our own creative arts technicians career pathways. I feel we are finally being recognised for the impressive range of skills and experience we need to deliver our workshops to students. I am looking forward to more events online or in person and hopefully some visits to other universities to look at their facilities."

Lisa Clark, Senior Technician at the University of Reading





Win a free course place today!

'Technicians Supporting Outreach Activities' online course

20th September 2022



Enter now to win a FREE place on this HEaTED course, worth £285!

Technicians Supporting Outreach Activities



September 20th

Simply scan the QR code and complete the form for your chance to win!







# Questions?

For further information on any of our services please do not hesitate to...





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Email us at heated@sheffield.ac.uk



Follow us at @HEaTEDtechs

