

University of Strathclyde

Name of Organisation:

University of Strathclyde

Fellowship Summary

The Commonwealth Professional Fellowships provide a unique opportunity for professionals working in the field of science and technology for development to gain exposure to best practices, build international networks, and develop new skills and knowledge. Fellows will return home with a broadened perspective on how science and technology can be leveraged to address a range of development challenges in their home countries. They will have the opportunity to share their experiences with colleagues and stakeholders, disseminate knowledge gained, and foster new collaborations that will contribute to the advancement of science and technology for development. Additionally, the fellowship will provide Fellows with a platform to engage in meaningful cross-cultural dialogue and learning, leading to greater understanding and collaboration between their home countries and the UK. The impacts are anticipated to be far-reaching, both for the Fellows and their home institutions, as well as for the broader communities they serve in.

Weblink for Candidates

<https://www.strath.ac.uk/engineering/chemicalprocessengineering/>

Eligibility

Our programme is open to science and technology professionals from India, Pakistan, Bangladesh, and Sri Lanka who are working towards the development of their respective countries. By selecting a homogenous cohort, owing to similar history, development, and experience, we can tailor the programme to address the specific development challenges facing these countries, maximising the impact of the programme upon the Fellows' return home. This will equip Fellows with new knowledge, skills, and networks that are directly relevant to their work and local context, ultimately contributing to the advancement of science and technology for development and relevant communities.

Proposed Fellowship Dates

21/02/2024 to 20/05/2024

Proposed Activity

Month 1:

- Orientation and induction
- Networking and ice-breaker activity: 'The Glasgow murals scavenger hunt'. The Fellows will explore the famous Glasgow murals to understand the role of art in community development, learn about the techniques and technology used to create the murals, and discuss the impact of the murals on the local community, promoting cross-cultural learning, critical thinking, and enabling the Fellows to connect with each other.
- Welcome with other host organisations.
- Introduction and networking with relevant department colleagues.

- Professional development sessions: project management, leadership, and communication.
- Half-day visit at The National Manufacturing Institute of Scotland – opportunity for networking and coaching session with industry leaders and experts on manufacturing.
- Internal workshop on best practices in science and technology for development led by the hosts.

Month 2:

- Immersion experience with a host organisation, shadowing the hosts' groups on a specific project related to science and technology for development – energy materials and processes for low-carbon economy (hydrogen production and photovoltaics). These are particularly relevant to India and Pakistan who are heavily reliant on fossil fuels.
- Participate in departmental seminars and Fellows to give talks on their background and professional activities.
- Participate in conferences – 'ChemEngUK Day'.
- Participate in community engagement activities led by the 'Really Small Science' outreach group (ReallySmallScience, University of Strathclyde), who engage with different audiences (children to adults) about the cutting-edge chemical engineering research at the University of Strathclyde via interactive hands-on activities.
- Professional development sessions: innovation and entrepreneurship.
- Workshop for the entire cohort held at Strathclyde – with expert talks on chemical and electric engineering for net zero, communicating science to a wide audience, and a Climate Fresk workshop (Climate Fresk).

Month 3:

- Continuation of immersion experience with host organisation.
- Half-day visit at The Power Networks Demonstration Centre – opportunity for networking and coaching session with industry leaders and experts on energy.
- Participate in conference – 'All Things Energy'.
- Internal workshops on latest technologies and research led by the hosts.
- Final presentations to showcase their learnings and experiences and how they intend to transfer the lessons learned in the context of their home countries.

Professional/self-development:

The University of Strathclyde is committed to promoting the advancement of both institutional and sectoral training and development opportunities for its employees and other visiting staff. All trainees benefit from opportunities for professional development and a commitment to diversity and equality, as well as a friendly and people-oriented working atmosphere. The centre which provides such unique development are the Organisational and Staff Development Unit (OSDU). Some of the development and training courses provided for researchers at the university include 'Project and Process Management', 'Personal Effectiveness', 'Bid Writing Support', 'Management and Leadership', 'Introduction to Knowledge Exchange and Entrepreneurship', as well as various course on teaching. The Fellows will have access to Strathclyde's specialised online tool, 'My CPD', which assists

researchers in identifying, planning, and recording their continuous professional development.

Please see:

<https://www.strath.ac.uk/professionalservices/hr/learninganddevelopment/organisationalandsaffdevelopmentunitosdu/>

Priority Theme

Science and technology for development