Department for Education

Application for postgraduate teacher training

Training provider	Course title	Qualification	Phase
Edge Hill University	Mathematics (GX11)	PGCE with QTS full time	Secondary

References Pending

Updates to this application

13/08/2019 - Application submitted

Personal details

Name	Ms Poppy Noor
Date of birth	09/02/1988
Nationality	Indian
Residence status	Candidate will need to apply for a Tier 2 visa if offered a place

Contact details

Phone number	07700 986555
Personal email address	poppy.noor@example.com
Postal address	5 Royal Exchange Square, Glasgow. G1 3AH

Eligibility and qualifications

ℹ Candidate has international qualifications

Degree(s)		**Institution**	**Class**	**Year awarded**
BS	Physics with emphasis in Astronomy	Minnesota State University, Moorhead, USA	2:2	2013
Candidate has NARIC statement of comparability? Yes				
MSc	Applied Physics	Strathclyde University, Glasgow	-	2017

Maths GCSE or equivalent		**Grade**	**Year awarded**
GCSE(A*-G)	WBBSE, India	92	2004
Candidate has NARIC statement of comparability? No			

English GCSE or equivalent		Grade	Year awarded
Candidate is prepared to sit equivalency test			

Science GCSE or equivalent		Grade	Year awarded
GCSE(A*-G)	WBBSE, India	173	2004

Candidate has NARIC statement of comparability? No

Other relevant qualifications	Subject	Awarding body and country	Grade	Year awarded
Higher Secondary School Certificate		India	647	2008

Is there anything you'd like to tell us about your qualifications?

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Subject knowledge statement

I pursued an MSc in Applied Physics at the University of Strathclyde and for my dissertation, I worked on the aftermath of the space radiation on bio/matter. Previously, I obtained a Bachelor of Science in Physics with an emphasis in astronomy and a minor in Mathematics at Minnesota State University Moorhead (MSUM), USA.

In my postgraduate career, I was enrolled in plasma physics courses and under the supervision of Professors Hidding and Sheng, I examined the effects of relativistic electrons at an altitude of 405 km where the International space station is on the orbit.

In addition to taking mathematics and astronomy courses in my undergraduate career, I was actively engaged in observational astronomy research throughout my undergraduate career at the Paul P. Feder Observatory at the Regional Science Center of MSUM. Under the supervision of Drs. Linda Irene Winkler, Matthew Craig, and Juan Cabanela, I performed a coarse calibration on the SBIG SGS Spectrograph using the high voltage mercury and neon light sources in the summer of 2011.

My senior year project entitled, "Analyzing Brightness Variations of an SX Phoenicis Star, XX Cyg," which involved collecting and analyzing photometric data of XX Cyg in four Johnson/Cousins Ic filters. Through my research, I found that the period of XX Cyg is 0.134868±0.000003 days. I investigated the nature of the limit cycles of algebraic systems, which involved studying autonomous nonlinear differential equations in my senior year. I found that Van der Pol Equations are used in modeling stellar pulsation mechanism.

Languages	
Candidate's first language is English?	No
English language qualifications and other languages spoken	I learnt English during high school, and given my studies in the USA and Scotland, now spend most of my time speaking English. My native language is Bengali.

Professional skills tests

Candidate has not yet booked professional skills test

Work history and relevant experience

† Role involved working with children

Role, employer and transferable skills	†	Hrs/wk	Dates
Private Tutor, Tutorful	Yes	40	09/2017 - Present

Taught Mathematics and Physics content covered in the Scottish National 5, the Higher and the Advanced Higher curricula. Assessed, graded and tracked individual's progress in the above-mentioned subjects. Guided students to perform better in the exam by offering them mock exams and giving adequate scientific feedback.

Gap (8 months) 01/2017 - 09/2017

Resident assistant (winter vacation), Strathclyde University No 20 12/2016 - 01/2017

Assisted residents by answering their queries and resolving issues during the winter break at the Andrew Ure Hall.

Graduate teaching assistant, Creighton University 08/2013 - 11/2016

Taught the lab sections of General Physics 1 & General Physics 2. Assessed and graded the lab journals and exams. Guided students to solve physics problems on their own.

Summer intern, American Association of Variable Star Observers No 40 06/2013 - 08/2013

Maintained the APASS and the NAPASS database and kept it up to date with new observed data using the UNIX shell scripting. Ran photometry and astrometry programs (based on UNIX shell scripting) written by Dr. Arne Henden to calibrate observed APASS and NAPASS.

Undergraduate teaching assistant, Minnesota State University Moorhead Yes 20 01/2010 - 05/2013

Leveraged exceptional communication skills to improve student performance in the Department of Physics and Astronomy. Provided comprehensive support for Introductory astronomy, analog electronics, and experimental physics courses. Tutored students and answered questions during lectures and lab sessions. Instructed students, assessed grades, and assisted with observation projects at the planetarium and the Paul P. Feder Observatory.

Gaps in work history

Between January 2017 and September 2017, I was concentrating on completing my studies at Strathclyde University and, when term finished, visiting my family in India.

School experience and volunteering with children and young people

Role and institution	Dates
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Motivation

Why do you want to become a teacher?

I am confident that I will be successful in the PGCE programme because I have a passion for teaching.

My collaboration and communication skills developed through my undergraduate research. I honed my public speaking skills by presenting the results at the MSUM Student Academic Conference as well as two professional meetings. I presented a poster of my senior project at the American Physical Society's (APS) Annual March Meeting in 2013 where I also served as the Society of Physics Students (SPS) student reporter.

In 2012, I was selected as an SPS summer intern and spent the summer working on American Institute of Physics' (AIP) Career Pathways Project, which aims to better prepare students with a bachelor's degree in physics for the Science, Technology, Engineering, and Mathematics (STEM) workforce. Under the supervision of Dr. Thomas Olsen, Kendra Redmond, Roman Czujko, and other collaborators at the American Center for Physics, I experienced how teamwork is valued in a professional setting.

This internship opportunity also opened my eyes to scientific and professional communication. I gave a talk about my summer internship at the 221st winter meeting of American Astronomical Society (AAS) in Long Beach,

CA.

After defending my master's thesis at Strathclyde, I worked as a private tutor and taught the students physics and mathematics for four months, who were taking the Scottish Qualification Authority (SQA) designed curricula. As a teaching and a planetarium assistant for introductory astronomy, analog electronics, and experimental physics courses, I learnt to communicate science effectively with the students. As a teaching assistant for introductory astronomy courses, I taught and assessed students on names of constellations and stars. My job was to lead students to critically think and find answers independently before asking for direction. Altogether I am confident that my strong research, work, and academic background will help me to succeed in the PGCE programme.

Interview

Is there anything this training provider should account for when planning your interview?

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Is there anything else you would like to tell us about your application?

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References

References have been requested, and will be appended upon receipt.