



TATA INSTITUTE OF SOCIAL SCIENCES
V.N. Purav Marg, Deonar, Mumbai 400 088
 (A Deemed University under Section 3 of the UGC Act, 1956)

ADVT/ TISS/ADMN/CETE/May/2021

3rd May 2021

The Tata Institute of Social Sciences (TISS) was established in 1936 and was awarded the ‘Deemed to be University’ status in 1964. TISS is fully funded by the University Grants Commission, Government of India and operates from its main campus in Mumbai, and the off-campus at Tuljapur, Guwahati and Hyderabad. Currently the Institute offers **50 Masters’ Degree** programmes and 18 M. Phil. and Ph. D. programmes in a range of socially relevant inter-disciplinary areas of Social Work, Social Sciences, Education, Public Policy, Public Health, Human Resource Management, Labour Studies, Media and Culture, Applied Psychology, Disaster Studies, and Habitat Studies. BA degree programs in Social Sciences and Social Work are also offered from its off-campus. A high degree of freedom and autonomy shape the positive work ethos and culture of the Institute facilitating strong linkages between teaching, research, field action and dissemination. The Institute provides significant space and resources for basic and policy research and nurtures multiple research collaborations with some of the best universities and institutions across the globe.

TISS provides work opportunities to scholars committed to creating a just society through education, generation of knowledge and field action.

The **Centre of Excellence in Teacher Education (CETE)** (formerly Centre of Education, Innovation and Action Research) is an Independent Centre at TISS Mumbai which was established in 2015 to engage with and promote innovation in school curriculum, teacher education and higher education curriculum and pedagogy. The Centre incubates and promotes innovations that address the needs of India education to raise quality and standards and relevant to the developing world, and the innovative use of new technologies and media. The Centre is actively engaged in research, development, teaching, field action/action research and advocacy and offers opportunities for national and international collaboration, innovation and excellence in teaching and research. The Centre offers MA Education, BEd MED (Integrated, NCTE recognised) and MPhil and PhD in Education. It also offers short term, blended and online courses and programmes: The Reflective Teaching with ICT for inservice teachers and teacher educators and the Post Graduate Certificate in Education Perspectives and Research for Teacher Educators and Administrators.

The Centre’s flagship action research programme, the Connected Learning Initiative (CLix), is focussed on the development of and use of technology and new media in school curriculum and teacher professional development. CLix was awarded the UNESCO-King Hamad Prize for the Use of ICTs in Education (2017 edition) also Open Education Awards for Excellence Resources, Tools and Practices under the category of Open Collaboration in 2019 from Open Education Consortium- www.clix.tiss.edu

Centre of Excellence in Teacher Education (CETE) is participating in an **exciting international research project using ICT and OERs in teacher professional development** (secondary school mathematics and science). The project titled **Connected Learning for Teacher Capacity Building in STEM (CL4STEM)** aims to scale the CLix-TPD approach and involves develop Technological Pedagogical Content Knowledge (TPACK) and strategies for inclusion for the newly qualified (NQT) middle and secondary school teachers in teaching mathematics and science and wherever possible for initial teacher education (ITE) (see clix.tiss.edu and tissx.tiss.edu). It enables this through the use of high quality locally relevant OERs by these teachers and by building the capacity of the faculty of education to select, curate and adapt OERs and integrate these into the teacher education curriculum. CL4STEM is being funded by the International Development Research Centre, Canada (IDRC). Centre for Applied Sciences and Technology Research, Ibrahim Badamasi

Babangida University, Lapai (IBBUL), Nigeria is the lead partner of the consortium to implement this project. Samtse College of Education, Bhutan (SCE-RUB) and Open University, Tanzania (OUT) are project partners; and the Tata Institute of Social Sciences, India (TISS) is the lead technical consultant for this project.

The project consists of four interrelated activities including two research studies.

- a) Adoption and adaptation of the CLIX program developed by TISS for Bhutan, Tanzania, and Nigeria.
- b) Impact study to assess the impact of the use of OERs to build teacher capacities of secondary school science and mathematics in each of the partner countries.
- c) Innovation diffusion to assess the uptake of this innovation among the key stakeholders in the respective countries and the pathways to scaling the innovation.
- d) Knowledge Dissemination of the insights from deployment and research of this project.

Applications are invited to participate with the project activities of knowledge transfer and research:

summary			
Sr. No.	position	No. of Position	Location
(1)	Program Co-Ordinator – Knowledge Transfer	1	Mumbai
(2)	Research Associates – Knowledge Transfer (physical science, biological science, mathematics)	4	Mumbai/Pune
(3)	Research Co-Ordinator – Impact Study	1	Bangalore
(4)	Research Co-Ordinator – Innovation Diffusion Study	1	Bangalore

Details of each position are provided below.

Last date to receive applications: 17th May, 2021

Tentative dates for interview: 24th to 31st May 2021

Suggested date of joining: By first week of June, 2021

How to apply:

Application process and interview

1. Candidates are requested to apply online through the link (**Apply now**) provided along with this advertisement on the Institute website www.tiss.edu.
2. Candidates are required to take a print of acknowledgement of online application and keep it for future reference.
3. Short-listed candidates will be informed over e-mail to appear for the the online interview.

Application fee: The application fee of Rs 1000/- to be paid online. The SC/ST/PWD candidates are required to pay fees of Rs. 250/- if they attach the required certificate to the online application form. The women candidates are waived from the payment of application fees. The application will be valid only on receipt of the application fee for those who are required to pay. Fees once paid shall not be refunded under any circumstances.

Other conditions

- The Institute reserves the right to relax qualification of the candidate based on the work experience and to relax age in the case of persons already holding comparable positions in a University/Research Institution of repute.
- The Institute reserves the right to invite persons for interview who may not have applied for as per the above procedure and not fill up the vacancy advertised.
- Since applications received may be short listed, merely possessing the prescribed qualifications and the requisite experience would not entitle a person to be called for interview.
- The post is unreserved, but candidates belonging to reserved category can apply.

- No queries or correspondence regarding issue of call letter for interview/selection of candidates for the post will be entertained at any stage and canvassing in any form is strictly prohibited and will lead to the candidate being debarred from consideration for the post.
- The candidate under employment must bring 'No Objection Certificate' from their employer to appear for presentation/interview.
- No TA/DA is payable for appearing for the interview.
- In case of any inadvertent error in the advertisement and in the process of recruitment, which may be detected at any stage, even after issue of appointment order, the Institute reserves the right to modify/withdraw/cancel any communication made to the candidate(s).

s/d- Project Leader

Detailed description of the positions

1. Program Co-Ordinator – Knowledge Transfer (1 position)

This role will plan and coordinate the activities of CLIX4STEM in training and knowledge transfer to the teacher educators in three countries (Bhutan, Tanzania, Nigeria) under the supervision of Lead Technical Consultant.

Key Responsibilities

- Plan and co-ordinate online design lab course to train teacher educators in each of three partner countries (Bhutan, Tanzania, Nigeria).
- Plan co-ordinate research design workshops for the Impact Study and the Innovation Diffusion study.
- Coordinate the installation of the TISSx platform at each of the partner project sites.
- Provide research support to the knowledge transfer and research teams by conducting literature reviews, drafting course design documents etc.
- Manage online and physical knowledge repositories developed in the course of knowledge transfer.
- Report on the progress of the knowledge transfer to all key stakeholders.

Qualifications

- Applicants must have a degree (B.Ed./M.A (Ed)/MEd) in education/social sciences combined with a postgraduate/graduate degree in science/ mathematics / engineering or in similar fields. Candidate pursuing their PhD in Education or allied fields would be preferred.

Experience

- Three years of relevant experience of having worked on research projects or teaching experience.

Skills and competencies required

- Good understanding of curriculum design and use of ICT in education.
- Experience in project planning and co-ordination of academic research.
- Ability to do background academic research and to author academic and research documents.
- Ability to leverage technology for work such as use of Google Drive, Learning Management Platforms such as Google Classroom, Edx, etc.
- Good communication and writing skills.
- Ability to handle tasks independently and meet deadlines.

Duration: 8 months: May to December, 2021

Remuneration: In the range of INR 35,000 to 50,000 depending upon qualification and experience.

Location: Mumbai

2. Research Associates – Knowledge Transfer (4 positions)

These roles will assist the science education team (Physics, Chemistry, Life Sciences, Mathematics) on CLIX for the STEM project in training and supporting teacher educators in three countries (Bhutan, Tanzania, Nigeria).

Key Responsibilities

- Assist in all aspects of curriculum design, including ideation, creation of content and assessment for teacher educators, teachers and students.
- Create and curate relevant resources for teacher educators.
- Coordinate with implementing teams of the three partner countries and other internal teams (teacher professional development, technology, project management, communication, research etc.) on various aspects (technical, pedagogical and research).
- Design and facilitate communities of practice (mobile based groups) of science teachers.
- Assist piloting, implementation and research.
- Draft and write reports and literature reviews.
- Source and index research papers.

Qualifications

- Applicants must have a degree (B.Ed./M.A (Ed)/MEd) in education/social sciences combined with a postgraduate/graduate degree in science/ mathematics / engineering or in similar fields. Candidate pursuing their PhD in Education or allied fields would be preferred.

Experience

- Two years of relevant experience of having worked on research projects or teaching experience.

Skills and competencies required

- Command on knowledge in science or mathematics (including ability to conduct experiments in school science, scientific temper and interest in history and nature of science)
- A good pedagogical sense in science or math education.
- Ability to leverage technology for work such as use of Google Drive, Learning Management Platforms such as Google Classroom, Edx, etc.
- Good communication and writing skills.
- Ability to handle tasks independently and meet deadlines.
- Willingness to learn data analysis, drafting research papers and reports and a range of production tasks.

Duration: 8 months: May to December, 2021

Remuneration : In the range of 30,000 to 40,000 depending upon qualification and experience.

Location: Mumbai/Pune

3. Research Co-ordinator/Post Doctoral Fellow – Impact Study (1 position)

This role will support the country project teams (Bhutan, Tanzania, Nigeria) in design, execution, and reporting of Impact study in their respective countries.

Key Responsibilities

- Lead the conceptualization and execution of the research design workshops for impact study.
- Co-ordinate the development of common data collection tools.
- Train and support country project teams in country specific research design and customization of data collection tools for impact study research.
- Train and support country project teams in data collection, analysis, and reporting.
- Document and share best practices on impact study research among country project teams.

Qualifications

- Applicants must have a degree (B.Ed./M.A (Ed)/MEd) in education/social sciences combined with a postgraduate/graduate degree in science/ mathematics / engineering or in similar fields. Candidate pursuing their PhD in Education or allied fields would be preferred.

Experience

- Early-stage researchers/ candidates in the final stages of PhD/ post doctoral fellows.

Skills and competencies required

- Experience in conducting academic research. Strong data analysis skills for quantitative and qualitative data. Experience in authoring academic research reports.
- Good understanding of curriculum design and pedagogies of school science and math education. Understanding of the use of ICT in school education.
- Experience in authoring academic research papers.
- Ability to leverage technology for work such as use of Google Drive, Learning Management Platforms such as Google Classroom, Edx, etc.
- Good communication and writing skills.
- Ability to handle tasks independently and meet deadlines.

Duration: Two years.

Remuneration: In the range of 40,000 to 50,000 depending upon qualification and experience.

Location: Bangalore

4. Research Co-ordinator/Post Doctoral Fellow – Innovation Diffusion Study (1 position)

This role will support the lead researcher in the design, execution, analysis, and reporting of the innovation diffusion study. This study would research the issues related to uptake and scaling of the CLIX for STEM innovation in each of the project country sites (Bhutan, Tanzania, Nigeria) and would be supported by the knowledge dissemination and scaling teams in each country.

Key Responsibilities

- Lead the conceptualization and execution of the research design workshops for innovation diffusion study.
- Finalize the research design and data collection tools.
- Work with the knowledge dissemination and scaling teams of each country partners (Bhutan, Tanzania, and Nigeria) on ongoing data collection.
- Data analysis and reporting of the innovation diffusion study. Particular author the interim and final reports of the innovation diffusion study.
- Support country project teams in knowledge dissemination by authoring policy briefs and key insights from the project on an ongoing basis.
- Document and share best practices on innovation diffusion research among country project teams.

Qualifications

- Applicants must have a degree in education (B.Ed. /M.A (Ed)/MEd) combined with a postgraduate/graduate degree in science/ mathematics / social science / data science / applied statistics or in similar fields. Candidate pursuing their PhD in Education or allied fields would be preferred.

Experience

- Early-stage researchers/ candidates in the final stages of PhD./Post doctoral fellows

Skills and competencies required

- Experience in conducting academic research. Strong data analysis skills for quantitative and qualitative data. Experience in authoring academic research reports.

- Good understanding of education policies and systems, particularly those related to teacher education. Good understanding of the use of ICT in school education
- Experience in authoring academic research papers.
- Ability to leverage technology for work such as use of Google Drive, Learning Management Platforms such as Google Classroom, Edx, etc.
- Good communication and writing skills.
- Ability to handle tasks independently and meet deadlines.

Duration: Two years

Remuneration: In the range of 40,000 to 50,000 depending upon qualification and experience.

Location: Bangalore

The end