

Programme Objectives

To develop one's practice as a reflective secondary school subject teacher

To develop understanding and skills to nurture an interactive, active and inclusive classroom

To develop critical perspectives, understanding and skills of ICT use for teaching-learning and professional development

To become an active member and participant of a community of professional practice

To develop specialised additional skills relevant to secondary school students and teaching

Framework (Based on NCFTE 2010)

Communities of Practice

Create teacher learning communities

Connect with subject experts and higher education institutes

Make local knowledge visible

Certificate Course

Blended mode

Developing reflective practitioners

Practice and research based pedagogy

Professional development through ICT

Pedagogic Pillars

Peer discussions

Relevant and authentic learning

Learning from mistakes

Teacher Professional Development

This course will enable continuous quality professional development for teachers at scale and improve student learning by,

Enabling collaborative learning opportunities

Providing access to courses in multiple Indian languages

Nurturing the local ecosystem

Accessing high quality technology enabled open curricular resources

Programme requirements

Teachers will need to bring their own device (BYOD).



A smart phone with internet to access the course and participate in online communities of practice

A computer with internet access to complete and upload assignments



About RTICT

RTICT was first rolled out in English and Hindi across four states in India - Chhattisgarh, Mizoram, Rajasthan and Telangana. The content of the subject courses have been derived from the learning artefacts developed for the Connected Learning Initiative (CLIX) programme. CLIX was the winner of the 2017 UNESCO-King Hamad Bin Isa Al-Khalifa prize for 'Use of ICTs in Education'. CLIX is an action research initiative, seeded by Tata Trusts, India, and led by Tata Institute of Social Sciences, India, and Massachusetts Institute of Technology, Cambridge, USA.



Winner of the 2017 UNESCO - King Hamad Bin Isa Al-Khalifa Prize for *Use of ICTs in Education*

Top Ten Finalist 2020 UNESCO-Hamdani bin Rashid Al Maktoum prize for *Outstanding Practice and Performance in Enhancing the Effectiveness of Teachers*

About TISS

The Tata Institute of Social Sciences (TISS) which was established in 1936 is a Deemed University fully funded by the University Grants Commission (UGC), Government of India. TISS offers a range of professional programmes and research degrees from its Mumbai, Tuljapur, Guwahati and Hyderabad campuses.

Read
More
On
RTICT



Reflection

Practice

Reflection

Practice



Post Graduate Certificate in Reflective Teaching with ICT (RTICT)

for in-service teachers
and
educators

Centre of Excellence in Teacher Education (CETE)

Tata Institute of Social Sciences
V.N. Purav Marg, Deonar, Mumbai 400088
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Compulsory Courses

2 credits each | 6 weeks duration | Online Delivery Mode

C-01
Digital Competencies for School Education

C-02
Constructive Teaching & Learning with Technology- Part 1

C-03
Constructive Teaching & Learning with Technology – Part 2

4 credits | 12 weeks duration | Faculty Mentor
C-04 Action Research/ Digital Portfolio

Subject Specialisation

2 credits each | 6 weeks duration | Online Delivery Mode

English Language

S-01a
Communicative English Language Teaching (Strategies)

S-01b
Communicative English Language Teaching (Interplay of Learning and Materials)

Mathematics

S-02a
Reflective Mathematics Teaching (Geometric Reasoning)

S-02b
Reflective Mathematics Teaching (Proportional Reasoning)

Science

S-03a
Interactive Science Teaching (Experimentation)

S-03b
Interactive Science Teaching (Pedagogical Content Knowledge)

Social Science

S-04a
Pedagogy of Social Sciences – Part1

S-04b
Pedagogy of Social Sciences – Part2

Indian Languages

S-05a
Teaching Modern Indian Languages – Part 1

S-05b
Teaching Modern Indian Languages – Part 2

Elective Courses

2 credits each | 6 weeks duration | Online Delivery Mode

E-01 Values Development in Adolescent
E-02 Using Media in the Classroom
E-03 Hands-on Learning through Toy-making
E-04 Designing Learning Experiences for the English classroom
E-05 Assessment for Learning in Mathematics Education
E-06 Teaching Literature: Strategies for Short Stories
E-07 Lesson Study based Professional Development for Mathematics Teachers

E-08 Mentoring for Teacher Professional Development
E-09 The ICT Lab in School
E-10 The School Science Lab
E-11 The Nature of Science and Science Education
E-12 Evaluation in ELT
E-13 Teaching Mathematics and Science using Dynamic Mathematics Software
E-14 Inclusive Education

Delivery Mode



Online
Online (Webinar + TISSx) | Communities of Practice | Practice



Blended *
Workshops | Online (Webinar + TISSx) | Communities of Practice | Practice

* Available for group enrollment of teachers by organisations & schools

Certificate Options

Serial Number	Name	Courses	Credits
1	Modular 2 credit course	Select any one 2-credit course	2
2	Subject Specialisation with ICT	Select two from C-01 to C-03	4
		Select one from S-01a to S-05a	2
		Select one from S-01b to S-05b	2
Total			8
3	Subject Specialisation with ICT and Research	Select two from C-01 to C-03	4
		C-04	4
		Select one from S-01a to S-05a	2
		Select one from S-01b to S-05b	2
Total			12
4	Post Graduate Certification Reflective Teaching with ICT	Select two from C-01 to C-03	4
		C-04	4
		Select one from S-01a to S-05a	2
		Select one from S-01b to S-05b	2
Select four Elective courses from E-01 to E-14			8
Total			20

ONLINE



Teachers will engage with course curriculum via the TISSx platform

PRACTICE



Teachers will implement the ICT enabled modules in the classrooms, record and reflect on their practice

WORKSHOPS



Teachers will interact with experts in workshops and gain hands-on experience

COMMUNITY OF PRACTICE



Teachers will belong and participate with peers, university faculty and experts in an online community of practice.