



The Gandhigram Rural Institute

(Deemed to be University)

Accredited by NAAC with 'A++' Grade (4th Cycle)

Ministry of Education (Shiksha Mantralaya), Government of India,

Gandhigram - 624 302, Dindigul District, Tamil Nadu

"Golden Jubilee Year of GRI-DTBU and 70th year of GRI"



Two Days International Workshop on

"Enhancing STEM Teaching Practices through the DECODE Model for Trainer of Trainees (ToT)"

08th December - 09th December, 2025

Organised by

Department of Education

Sponsored By

Joint Research Project under ICSSR (India) & NSTC (Taiwan)



About the Institute

Gandhigram Rural Institute (GRI), founded in 1956 by Dr. G. Ramachandran and Dr. T.S. Soundaram, is based on Mahatma Gandhi's philosophy of Nai Talim, blending practical skills with value-based learning. Inspired by global and Indian educational models, it focuses on rural development and holistic education. GRI, under the Ministry of Education and UGC-funded, offers a range of programs from diplomas to post-doctoral studies across 8 schools and 19 departments. It integrates teaching, research and extension to address rural issues. The Institute has earned 'Deemed to be University' status and high NAAC grades, emphasizing transparency, participatory governance and Gandhian values.



Dr.G.Ramachandran



Dr.T.S.Soundaram

Department of Education

The Department of Education, Gandhigram Rural Institute, is a Teacher Education Department with a reputation as a leading centre for Teaching, Training, Educational Research and Extension. The Gandhigram Rural Institute (GRI) is granted recognition by the NCTE to offer the B.Ed Integrated Programme under the Choice-Based Credit System from the year 2003-2004 onwards. The GRI is granted recognition by the NCTE to offer the M.Ed. degree programme under the Choice-Based Credit System (CBCS) 2008-2009 onwards. The students are admitted to the B.Ed., B.Sc. B.Ed., M.Ed. and Ph.D Programmes through CUET an all-India entrance examination. The vision of the Department is to develop and sustain quality in teacher education programmes by integrating the current knowledge and pedagogical principles with the basic education programme propounded by Mahatma Gandhi.

Institute for Research Excellence in Learning Sciences (IRELS)

National Taiwan Normal University, with the support of the National Science Council, established an Institute for Research Excellence in Learning Sciences (IRELS) in collaboration with Pennsylvania State University in 2013. The IRELS continues to align with international trends in educational research, national policies, and societal demands. Embracing the spirit of openness, sharing, collective knowledge, and sustainability (OSaCKS), the IRELS endeavors to tackle educational challenges both within Taiwan and worldwide. The IRELS aims to become the premier institute in education research, offer a world-renowned paradigm for teacher education, and achieve sustainable development within the education industry. Leveraging the university's interdisciplinary expertise in psychology, education, technology, computer science, and special education, the IRELS integrates cutting-edge research in science education, digital learning technologies, educational big data, and educational neuroscience. This holistic approach fosters a coherent theoretical framework and mutually reinforcing research methodologies.

JRP-ICSSR(India)-NSTC(Taiwan) Vision

The Joint Research Programme (JRP) envisions empowering STEM educators with innovative pedagogical frameworks and technological competencies through the DECODE Model. This structured approach emphasizes demonstration, collaboration, curriculum co-design, classroom practice, and reflective feedback. By fostering a community of practice, the initiative aims to transform teaching and learning experiences in both physical and virtual settings, ultimately enhancing student engagement and learning outcomes. It also seeks to build a sustainable network of trainers and teacher educators capable of propagating best practices in STEM education across India & Taiwan.

Objectives of the Programme

- To familiarize STEM teachers with the DECODE model, a structured approach that integrates teacher demonstrations, collaborative curriculum design, practice teaching, and feedback mechanisms.
- To build a community of practice where teachers actively learn, share resources, and innovate teaching methodologies in both physical and virtual learning environments.
- To support in-service teachers in integrating technology-enabled teaching tools, instructional design methods, and assessment frameworks for better student outcomes.
- To prepare trainers and educators, including SCERT, DIET, College of Education faculty members and Block Resource Teachers, to disseminate STEM education best practices across Tamil Nadu and India

Modalities

The Workshop will be a training-cum-production type, involving lecture-cum demonstrations, interactive sessions and hands-on practice.

Target Group

- ✓ DIET Faculty
- ✓ Teacher Educators for CoE
- ✓ Block Resource Teachers
- ✓ 40 - 45 Teachers

Instruction to Participants

- ✓ All participants should attend all the sessions
- ✓ Certificate will be issued
- ✓ Free food & Accommodation on sharing basis

Location

The GRI(DTBU) is well connected by the road (NH7) and rail, 12 km from South of Dindul and 55 km from North of Madurai city

No Registration Fee



**Scan for
Location**



CHIEF PATRON

Dr. N. PANCHANATHAM
Vice-Chancellor, GRI



PATRON

Dr. M. SUNDARAMARI
Registrar i/c, GRI

Research Team

Indian Research Team



PRINCIPAL INVESTIGATOR

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Taiwan Research Team



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