

## Special e-ITEC Program for Papua New Guinea

<b>A. Name of the Institute</b>	<b>NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI, CHENNAI</b> [An Autonomous Institute under Department of Higher Education, Ministry of Education, Government of India] Taramani, Chennai – 600 113, INDIA.
<b>B. Title of the Course</b>	<b>Teachers' Training Program on "Basic Science for Teachers of Papua New Guinea"</b>
<b>C. Proposed Mode of the Course</b>	Online (e-ITEC)
<b>D. Proposed Dates and Duration of the Course</b> (in weeks / months)	<b>14<sup>th</sup> to 25<sup>th</sup> November 2022</b> (2 weeks)
<b>E. Eligibility Criteria for Participants</b>	Teachers of Physics, Chemistry, Maths, Biology and ICT
<b>F. Details of Content of the Program</b> (please attach detailed course profile)	<p>The following modules are prepared specifically for this programme.</p> <ul style="list-style-type: none"> <li>➤ Introduction to Basic Science Education</li> <li>➤ Recent Trends in Basic Sciences</li> <li>➤ Advances in Physics</li> <li>➤ Advances in Chemistry</li> <li>➤ Advances in Maths</li> <li>➤ Advances in Biology</li> <li>➤ Curriculum Design and Development for School Education</li> <li>➤ Teaching &amp; Learning Process</li> <li>➤ Outcome based Education and Learning Outcome</li> <li>➤ ICT Applications for Teaching Learning Process</li> <li>➤ Instructional Planning</li> <li>➤ Digital Literacy &amp; Educational Resources</li> <li>➤ Guidance &amp; Counselling</li> <li>➤ Digital Infrastructure for School Education (DIKSHA)</li> <li>➤ Role of Media in School Education</li> <li>➤ Development of Massive Open Online Course (MOOC)</li> <li>➤ Learning Management Systems(LMS)</li> <li>➤ Instructional Evaluation</li> </ul>

<b>G. Expected Outcomes</b>	After successful completion of the Program, the trainees will be expected to develop the skills in Basic Science & ICT and improve the Teaching and Learning Process in their Institute.
<b>H. Evaluation of Performance of the ITEC Participant</b>	Preparation of specific assignments and tasks to develop the Institute.
<b>I. Name of the Department</b>	Centre for International Affairs, NITTTR, Chennai
<b>J. Name of Coordinators</b>	Dr. R. Ravichandran Prof. Dr. G. Kulanthaivel
<b>K. Resource persons</b>	Faculty members of NITTTR, Chennai Experts from Academic Institutes / Universities Industry experts