**Annexure - II**

**INDIVIDUAL COURSE DETAILS**

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| A. | Name of the Institute | **NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, TARAMANI P.O., CHENNAI – 600 113**[An Autonomous Institute under Ministry of Human Resource Development, Dept. of Higher Education, Govt. of India] |
| B. | Name / Title of the Course | CERTIFICATE COURSE ON**ONLINE TEACHING AND COLLABORATIVE TOOLS** |
| C. | Proposed Dates and Duration of the Course in weeks/ months | December 07 – 18, 2020 |
| D. | Eligibility Criteria for Participants1. Educational Qualification
 | Graduate Degree in Science / Education / Management / in Engineering / Technology and good proficiency in spoken, written and comprehension of English.  |
| 1. Work Experience, if any
 | Working Experience related to Higher Education / Technical Education / Industrial Education / Polytechnic / University / Engineering College /Management Institute |
| 1. Age Limit
 | Preferably not more than 50 years |
| 1. Target Group [ Level of participants and target Ministries / Departments etc. may be indicated]
 | Government Policy Makers/ Administrators / Officials from the Ministry of Education / Higher Education / Technical Education / Human Resource Development / Academic Leaders / Executives / Educational Administrators / Directors/ Heads / Senior Faculty of Institutions like Polytechnics / Engineering Colleges / University Departments |
| E. | Aims & Objectives of the Course | In this course participants will be exploring to find answers for the following questions: * *How classroom instruction needs to be structured for the current generation learners?*
* *What does research evidence tell us about integrating ICT tools in classroom instruction?*
* *Identify and understand the range of technology enabled teaching implementation models?*
* *How blended learning provides shift in instruction, roles, and technology integration.*
* *Review the availability of technology for the blended & flipped classroom.*
* *How can we ensure that this instructional design will help our students achieve their intended learning outcomes?*
* *What pedagogic options do we have to make our teaching successful?*
* *Explore various management techniques to create safe and ethical technology enabled learning environments that includes social collaboration.*
* *Examine the challenges associated with technology enabled teaching learning implementation and how you can address these challenges.*

After completing the learning tasks in this course, the participants will be able to: * Design an effective lesson utilizing instructional technology resources and integrate into the teaching environment.
* Develop a plan to implement technology into your classroom.
* Explore online Free and Open Source Software [FOSS] resources and digital tools for the implementation.
* Examine and utilize online platforms to promote student communication and peer discussion.
* Develop a web-based e-content / courseware
* Design an effective instructional planning and integrate into the institutional environmental.
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| F. | Course Contents / Syllabus (please attach course details / profile) | Introduction to Digital Learning Ecosystem in Higher Education – Traditional vs Digital Learning Environment – Learning Space – Different Model for online teaching - ICT Tools for creating learning environment –Creating Poll – Demonstration and Activities for effective implementation – Overview of Learning Management System – OER and Creative Commons License - Concept Map / and Package the e-Content - Video based lesson - Audio / Video Editing Tools - Virtual Laboratory Instruction – Virtual Reality and Augmented Reality- Hands on practice with 15 tools and exposure to 50 ICT tools. **Success Stories of National Mission on Education through Information and Communication Technology (NMEICT), Digital Literacy initiatives, Digital India initiatives, National Education Policy (Draft) discussion about the Technology enabled learning, National Educational Alliance for Technology(NEAT), OER Policy of Government of India, Transformation made through various initiatives will be show cased to the participants through visit and lectures. Interaction with policy makers, administrators, Academicians and Industry officials.** **The course is aligned to the Sustainable Development Goal No: 4 (Quality Education); No:17 (Partnership for the goal).** **IMPLEMENTATION STRATEGIES:**The course will be administered through modules for various topics under each subject of study and adopting a combination of* Online Lecture / Learning (Live interaction)
* Lectures, Discussions
* Online Learning Portal – e-NITTTRC – LMS
* Case-study Assignments
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| G. | Mode of Evaluation of performance of the ITEC participants | Attainment of course objectives will be periodically reviewed by internal assessment  |
| H. | Name of the Department | Centre for International Affairs |
| I. | Name of the Coordinators | Dr. G. Janardhanan, Associate Professor Dr. V. Shanmuganeethi, Associate ProfessorDr. K. S. A. Dinesh Kumar, Associate Professor |

**Description:**

The “*Online Teaching and Collaborative Tools*” is a specially designed e-ITEC Programme for administrators/educationist/policy makers. The course is structured to provide interactive blended learning experience to the learners and also to develop an understanding of how technology enhances and transforms classroom instruction. Integrating and infusing technologies into classroom teaching is a challenging task and its understanding is important for both teachers and students. Technology enabled teaching learning facilitates in differentiated instruction, since we are aware “one size doesn’t fit all”. Despite of your ICT literacy, this course will help you course will help you in leveraging your teaching strengths and find the approach that is right for you, your students and your educational context. Thus, the course facilitates and guide in the instructional planning through technology. You will have the opportunity to develop your understanding of effective online teaching practices and their relationship to the use of different technologies in connecting **CONTENT** to the **CONTEXT**. You will also be encouraged to progressively design and reflect upon your own online learning activity, assessment or resource for use in your own class if you choose to undertake the course assignments. The course is structured with experiential sharing, input from the experts and interviewees from the stake holders. Through many examples and case studies, the participants will be exposed how to create technology enhanced instruction for their students and what to address when designing these experiences.