<u>INDIVIDUAL COURSE DETAILS</u>

Quality Assurance through Accreditation in Higher Education in Developing Countries

A. Name of the Institute	NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH TARAMANI, CHENNAI – 600 113. [An Autonomous Institute under Department of Higher Education, Ministry of Education, Government of India] Taramani, Chennai – 600 113, INDIA.
B. Title of the Course	Quality Assurance through Accreditation in Higher Education in Developing Countries
C. Proposed Dates and Duration of the Course in weeks / months	15.11.2023 to 12.12.2023 (4 Weeks)
D. Eligibility Criteria for Participants 1. Educational Qualification 2. Work Experience 3. Age Limit 4. Target Group	1. Any Degree / Post-graduation in Science/ Engineering/ Technology/ Management 2. Minimum Three years of experience in Teaching/Training/Research/Consultancy/ Administration/ Policy Planning in Colleges, Universities, Industries, Companies and Training Organizations 3. 25-45 years 4. Educational Administrators, Policy Planners, Teachers of Colleges & Universities, Trainers, Researchers, Consultants, Managers, Industrial Personnel, Officials of Government Departments and Policy making organizations
E. Aims & Objectives of the Course	Please refer sheet Attached
F. Details of Content of the Course *(please attach detailed course profile)*	Please refer sheet Attached
G. Mode of Evaluation of Performance of the ITEC Participant	Please refer sheet Attached
H. Name of the Department	Department of Education
I. Name of Coordinator	Prof. Dr. E.S.M. Suresh Dr. K.S.A. Dinesh kumar
J. Resource persons	Prof. Dr. E.S.M. Suresh Dr.G.Janardhanan Dr.V.Shanmuganeethi Prof.V.Sivakumar

	Dr. K.S.A. Dinesh kumar

Name / Title of the Course: Quality Assurance through Accreditation in Higher Education in Developing Countries

Aims & Objectives of the Course:

RATIONALE

In recent years universities in developing countries have followed their counterparts in developed countries in adopting quality assurance to improve the quality of their teaching and research. Technical Education is the process of training engineers for the purposes of initiating, facilitating and implementing the technological development in the society. Engineers are to solve societal problems in a sustainable way using appropriate engineering tools to proffer the required solutions. The quality Technical Education is not only challenging but also of paramount importance in today's globalised world. Developments in communications, travel and trade over recent decades have produced a global network of ideas, institutions, and economies. Engineering practice and its related technologies have become global in scope and scale. To be effective, today's engineering graduate must not only be grounded in scientific and mathematical fundamentals, engineering principles and design, but must also have a global outlook and the broader skills to work in society in both home country and internationally. Technical Education is thus challenged to prepare a technically competent graduate, as it has done traditionally, and to add several dimensions of broadening – all within a program of reasonable length.

Outcome Based Education (OBE) is penetrating the Engineering Education System at an increasing pace. Today, every activity, every course, is measured by the outcomes being addressed. Application of TQM, Re-engineering and Benchmarking strategies has shown remarkable improvement in business and industry. Technical education system must employ some of the principles involved so as to get similar advantages in this sector also. The quality issues of Higher Education System are required to be identified and strategies for application of principles of TQM, Re-engineering and Benchmarking be considered. This course is meant to Educational Administrators, Policy Planners, Teachers of Colleges & Universities, Trainers, Researchers, Consultants, Managers, Industrial Personnel, Officials of Government Departments and Policy making organizations.

AIMS AND OBJECTIVES OF THE COURSE

At the end of the course the participants will be able to

- Appreciate the importance of Quality Assurance through Accreditation in Higher Education in Developing Countries

Specific Objectives

- Explain the importance of Strategic Planning.
- Understand the Technical and Higher Education system of Developing Countries.
- Explain various Institutional Development Models.
- Develop Industry Institute Interaction for Excellence
- Explain Internal Revenue Generation for Managing Educational Institutions
- Explain various Accreditation system followed in different countries

- Apply Project Management Principles in Administering Technical Institutions.

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Course Contents/ Syllabus:

- **Module 1 – Strategic Planning for Educational Institutions**

  Higher Education system of Developing Countries – Policy Planning - Overview of Strategic Planning – Functions of Educational Management– Types of Educational Planning – Institutional Vision, Mission and Mandate – Steps involved in Strategic Planning Process- Work Plan & Action Plan - Strategic Planning Cycle.

  Module 2 – Institutional Development

  Overview of Institutional Development – Models – Centre of Excellence - Industry Institution community partnership models – Faculty Development -Leadership Qualities – Motivation- Industrial Consultancy – Internal Revenue Generation - Research & Development –   E-governance- Entrepreneurship.

- **Module 3 – Total Quality Management**

  Total Quality Management for Educational Institutions- Concepts – Organizational Development - QMS/QC Tools –Lean Management - ISO 9000 Certification - Stakeholders
  ,   Relationship

- **Module 4 – Outcome Based Education & Accreditation**

  Outcome Based Education & Accreditation – An overview – Washington Accord – Course Outcome, Program Outcome and Program Educational Objectives – Mapping of Course Outcome & Program Outcome- Assessment of Attainment of PEO, PO and CO- Accreditation Criteria & Parameters- SAR Preparation.

- **Module 5 - Project Management**

  Principles of Project Management – PERT/CPM- Applications of Network Analysis – Time Analysis – Cost Planning and Control – Cost Trade-off – Resource Planning and Monitoring – Project Management Software Packages – Hands on Practice.

- **Module 6 - Project work**

  Project work and Presentation on identified field problems.