



Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachibowli, Hyderabad – 500 032, T.S, India

Quality & Productivity Division

Workshop on

Outcome Based Education

(Focused on Curriculum Design, Innovation in Pedagogy and
Contemporary Research relevant for NBA and NAAC accreditation)

12 – 16 March, 2018



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

Outcome based education (OBE) is learner-centric model that focuses on measuring performance through outcomes. Outcomes include knowledge, skills and attitudes. Its focus remains on evaluation of outcomes of the program by stating the knowledge, skill and behavior a graduate is expected to attain upon successful completion and after 4 – 5 years of graduation. In the OBE model, the required knowledge and skill sets for a particular engineering degree is predetermined and the students are evaluated for all the required parameters (Outcomes) during the course of the program.

The induction of India in the Washington Accord in 2014 with the permanent signatory status of The National Board of Accreditation (NBA) is considered a big leap forward for the higher-education system in India. It means that an Engineering graduate from India can be employed in home and other host countries who are signatories to the Accord. For Indian Engineering Institutions to get accredited by NBA according to the pacts of the Accord, it is mandatory that engineering institutions follow the Outcome Based Education (OBE) model. Accreditation can be easily obtained once institution adopts and integrates OBE into their system.

The OBE model measures the progress of the graduate in three parameters, viz., Program Educational Objectives (PEO); Program Outcomes (PO); and Course Outcomes (CO). The institution is at liberty to choose an appropriate method of assessment during the program. The adoption of OBE at engineering institutions is considered to be a great step forward for higher education in India but the actual success lies in the effective adoption and stringent accreditation process to ensure the quality of education is sustained.

OBJECTIVES

- a) To understand the different initiatives taken by Government of India for Quality Assurance in Technical and Higher Education.
- b) To provide knowledge and skill on the latest outcome based systems of NBA/NAAC and conduct Self-Assessment.
- c) To interpret requirements of NBA/NAAC Accreditation Criteria and define PEOs/ POs and Evaluation Guidelines.
- d) Understand Outcome Based education & Accreditation.

COVERAGE

- Introduction to Outcome Based Education
- NBA/NAAC Criteria
- Strategies for Effective lesson planning
- Engineering pedagogy — Quality and Professional competency
- Effective communication & presentation skills
- Formulation of Effective class room Management Techniques
- Virtual and Participative Learning
- Building Effective Teaching Teams
- Effective Lab, Workshop and Project work planning focused Real life / Industry / Problem solving / Social Framework
- Continuous Quality Evaluation Program & Implementation
- Building up Inter-disciplinary Innovation culture in Institution
- Designing of new courses based on industrial requirements
- Creativity in Teaching
- Use of digital tools in Teaching / Development of Participating learning techniques
- Exposure to MOODLE software

METHODOLOGY

The program will be conducted in an interactive environment providing scope for discussions. Emphasis will be on a highly participative style of learning through Lectures, Group discussions & Mock Accreditation activities.

TARGET PARTICIPANTS

The Five day program is designed for Directors, Principals, Heads of Institution, Educational Administrators, Registrars and Senior Faculty members from Technical & Higher Education Institutions / Universities (Government & Deemed Universities) who are the key personnel to understand and implement Quality Initiatives in their Institutions. The Technical / Higher Educational Institutions who are planning to go for NBA / NAAC Accreditation will benefit enormously by attending this workshop.

Who should Participate:

Faculty members from Engineering Colleges, TEQIP funded institutions, State SPFU'S & Non TEQIP colleges interested in learning about advanced practices can participate and explore the opportunities in Effective Teaching.

PROGRAMME VENUE, DATES & TIMINGS

Venue: Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachibowli, Hyderabad - 500032, Telangana State, India.

Dates: 12 – 16 March, 2018 (5 Days)

Timings: On the first day Registration will commence at 0900 hrs. On all other days the program timings will be from 0945 - 1715 hrs with breaks in between for tea and lunch.

COURSE ADVISORS

Dr. D N Reddy, Director – ESCI, Chairman – NBA Appellate Committee, Member - UGC, Regional Chairman - AICTE (SCRO), Former VC, JNTU, Hyderabad.

Prof R.Natarajan, Former Chairman - AICTE & Former Director - IIT Madras

Prof. S. C. Sahasrabudhe, Former Director - DAIICT, Gandhinagar and Member – Academic Advisory Committee, NBA

Prof. S.K. Verma, Chief Mentor, Engineering Staff College of India, Hyderabad.

COURSE DIRECTOR

D. Sheshadri, Head – Quality & Productivity Division, Engineering Staff College of India, Hyderabad.

FACULTY

Eminent Experts in Technical and Higher Education/ Quality Management/ NBA/NAAC will share the sessions.

COURSE FEE

Rs.28,000/- (Residential) + 18% GST per participant. Fee includes, course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training program.

DISCOUNTS

- **Non-Residential Fee: 10% discount on course fee is allowed for non-residential participants.**
- **Group Discount: Additional 10% discount for three or more participants, if sponsored by the same organization (All discounts are applicable only if fee is received at ESCI before the commencement of the program)**

GST 18% is to be paid extra over and above the training fee, as training is also under the purview of GST.

GSTN Number: 36AAATT3439Q1ZV

HSN Number: 999293

PAN Card No. AAATT3439Q.

MODE OF PAYMENT

Program fee is to be paid in favour of “**IE(I)-Engineering Staff College of India**” in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI – SB A/c No. 912010049234564 with **Axis Bank Ltd., Gachibowli branch**, Old Mumbai Highway, Cyberhills Colony, P Janardhan Reddy Nagar, Gachibowli, Hyderabad – 500032, T.S., by **NEFT/ RTGS/ IFSC Code No. UTIB0000733 – MICR No.500211020**.

While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and program title.

REGISTRATION

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile, telephone and fax number of the participant along with the details of mode of payment of fee and addressed to:

**The Head
Quality & Productivity Division
Engineering Staff College of India
GachiBowli, Hyderabad – 500 032
Phone: 040 - 23000465 / 23000466; Ext. 4108, 4109, 4110, 4132, 4133
Direct Phones: 040 – 66304108, 4109, 4110, 4132, 4133 Fax : 040-23000336
Email: qp@escihyd.org Web site: www.escihyd.org**

CERTIFICATE

A certificate of participation will be awarded on conclusion of the program.

GENERAL INFORMATION

- ESCI encourages participants to present case studies / experience of their organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- For residential participants, ESCI provides complimentary accommodation and boarding one day before commencement (Check-in at 1200 hrs.) and one day after conclusion (Check-out at 1200 hrs.) of the program duration. Overstay charges will be applicable as per ESCI rules (subject to availability)
- Well developed Information Centre and Internet facilities are available to the participants.