

## **OBE Awareness**

- **HoDs and Senior faculty of the departments are encouraged to participate in seminars / conferences / workshops organized on OBE**
- **Senior faculty members attended awareness workshop on Outcome based Education and Accreditation at Osmania University on 18 December 2016 (in association with National board of accreditation, New Delhi, India)**
- **OBE awareness through ICTIEE (International Conference in Transformations in Engineering Education)**
- **Orientation programmes are organized at department level to faculty and students**
- **Papers published on OBE in Journal of Engineering Education Transformations (JEET) : 10 No.**
- **Papers presented in International Conference : 15**



Conference Souvenir



Dr. Aruna Kumari, Professor, CSE receiving best project Award



Faculty Participation in OBE workshop



Mr. Hussin Shaik Associate Professor, EEE



Dr. K. Vasanth, Professor, ECE Presented Paper on Innovative teaching Practices



Ms. Pavani Associate Professor, ECE Presented Paper in the Conferences ICTIEE 2020



- ICTIEE 2014, B V Bhoomaraddy College of Engg & Technology, Hubli
- ICTIEE 2015, BMS College Of Engineering, Bangalore, 2015
- ICTIEE 2016, College of Engineering, Pune
- ICTIEE 2017, Vardhman College of Engineering, Hyderabad



**NAAC Sponsored**

**Two Day National Seminar on  
Quality Improvement in  
Technical Education through  
Outcome Based Education**

14<sup>th</sup> & 15<sup>th</sup> December 2018

**Registration Form**

1. Name \_\_\_\_\_
2. Age (years) \_\_\_\_\_
3. Qualifications \_\_\_\_\_
4. Designation \_\_\_\_\_
5. Department \_\_\_\_\_
6. Institution \_\_\_\_\_
7. Experience (in years)  
Teaching \_\_\_\_\_  
Industry \_\_\_\_\_
8. Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_
9. D.D. Particulars  
Amount Rs.: \_\_\_\_\_ Date: \_\_\_\_\_  
Bank: \_\_\_\_\_ D.D. No: \_\_\_\_\_  
Date

**Signature  
of the applicant**

**Signature of the  
Sponsoring Authority**

**REGISTRATION**

Filled-in application forms along with registration fee need to be sent to Convener, on or before 30<sup>th</sup> November 2018.

**Registration Fee: Rs. 1000/-**

The Payment of Registration fee is to be made by a Demand Draft in favour of Principal, Vidya Jyothi Institute of Technology, payable at Hyderabad.

**CHIEF PATRONS**

Dr. Palla Rajeshwar Reddy, MLC,  
Whip, Legislative Council, Govt. of Telangana  
Secretary & Correspondent  
Mrs. S. Neelima  
Joint Secretary

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Dr. P. Venugopal Reddy  
Director  
Dr. A. Padmaja  
Principal

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Mr. Rajendra Prasad, Head, Dept. of H & S  
Ms. G.Srilatha, Academic Coordinator  
Mr. R. Venkatachalam, Sr. Administrative Officer

**Convener & Contact Person**

Dr. C. N. Ravi  
IQAC coordinator  
Vidya Jyothi Institute of Technology  
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**Sponsored**

**Two Day  
National Seminar on  
Quality Improvement in  
Technical Education through  
Outcome Based Education**

14<sup>th</sup> & 15<sup>th</sup> December 2018



**Organized by  
Internal Quality Assurance Cell (IQAC)**



Approved by AICTE, New Delhi & Permanently Affiliated to JNTUH

**An Autonomous Institution  
Accredited by NAAC**

Aziznagar Gate, Chilkur Balaji Road, Hyderabad – 500075  
<https://vjit.ac.in>



## ABOUT VJIT

The Institute prides on the fact that it has a team of incredibly experienced and highly accomplished faculty. VJIT is ranked 11th best Engineering college in the Telangana region by the Week Survey in 2018 and it is the 2nd best college in Placements by the recent Times of India Survey. The Institution offers six B.Tech programs in CSE, IT, ECE, EEE, Mechanical and Civil Engineering, and five M.Tech programs and an MBA program. The Institute is well equipped with state-of-art infrastructure facilities with a sprawling built up area of 22000 square meters.

- \* Center of Excellence in Data Analytics with Qlik India, USA
- \* Center of Excellence in Software Testing with Virtusa
- \* R&D Zonal Center in AI & Deep Learning with Bennet Univeristy, Noida
- \* Center of Excellence in NI LabView Academy , ARM university Programme, Cypress Semiconductors and CISCO Net working Academy
- \* Center of Excellence in the field of Manufacturing with Lean Technocrats



## IQAC at VJIT

VJIT has established Internal Quality Assurance Cell with an objective of providing a conducive teaching and learning environment, both for faculty and students. IQAC works out strategies for continuous improvement, necessary measures are taken periodically, and efforts are made to achieve academic excellence. Additionally, IQAC holds the responsibility of organizing seminars on quality sustenance and quality enhancement in the Higher Education Institutions.

## OBJECTIVE OF THE SEMINAR

Contemporary engineering education has moved beyond the traditional focus on imparting subject-specific technical knowledge to the inculcation of broader skills in critical thinking and analysis. The 21st century society demands engineers with multifarious skills in a multicultural and multinational environment; the emphasis is on improving the quality of education through Outcome Based Education. Outcome based education (OBE) is student-centered instruction model that focuses on measuring student performance through outcomes. Outcomes include knowledge, skills and attitudes.

## SEMINAR THEMES

- ◎ **Course Outcomes / CO-PO mapping and attainment/Continuous improvement through attainment**
- ◎ **Design of Question paper based on OBE alignment**
- ◎ **Teaching Learning and Evaluation**
- ◎ **Best practices/case studies in teaching and learning**

## ABOUT THE SPEAKERS

### Dr. Kanmani

Dean-Academics, Professor, BMS College of Engineering, Bangalore. She obtained Ph.D from the Indian Institute of Science Bangalore (IISc). She is an eminent personality and has delivered several invited talks in the domain of Outcomes Based Education.

### Dr. Madhuri Mavinkurve

ET Practioner & Trainer. She obtained Ph.D from IIT Bombay. She has expertise in Development of valid and reliable assessment instrument - rubrics. Her interest is to develop interactive visual learning material for development of engineering design competencies.

### Dr. Ranjith Ramadurai

Associate Professor & Head of the Department of Engineering Science, IIT Hyderabad. He obtained Ph.D form the Indian Institute of Science Bangalore (IISc). He has expertise in evaluation of the lecture performance of the faculty and student's performance by using online tools.

### Dr. B. V. Appa Rao

Research Fellow (Emeritus), Teaching Learning Center (TLC), NIT, Warangal. He obtained Ph.D from BHU. Under his guidance 18 students were awarded Ph. D. He is associated with nine major research projects.

### Dr. Mudrika Khandelwal

Assistant Professor, Materials Science & Metallurgical Engineering and Head of Teaching Learning Center, IIT Hyderabad. She obtained Ph.D from University of Cambridge, UK. She has expertise in Integrated Teaching Evaluation and Assessment methods.

**NAAC Sponsored two days National Seminar on Quality Improvement in Technical Education through Outcome Based Education on 14<sup>th</sup> -15<sup>th</sup> December 2018**

**Theme of the Seminar**

The adoption of OBE at engineering institution is considered to be a great step forward for higher education in India but actual success lies in the effective adoption and stringent accreditation process to ensure the quality of education is maintained. Therefore as engineering educators our roles become more diversified. The aim is now to produce global engineers with emphasis on transferable skills. At the same time, we have to be aware that the current generation, Gen Z, is different from previous generations. Therefore, teaching methods and evaluation strategies have to be adapted to the changing needs of the youth. Teaching and research need to go hand-in-hand and have to be inclusive of social and environmental awareness. The traditional classroom set-up is fast being replaced by methods that encourage greater participation and interaction between the students and the teachers. The pedagogical fraternity needs to be committed to engage students in active, collaborative and technology based learning methodologies to develop formative and summative assessments of student progress and learning. Educators at all levels need, personally and professionally, to take on the vital task of equipping students and scholars to face every challenge and use every opportunity as they become effective and productive global citizens and leaders of tomorrow. Hence, quality education is becoming the need of the hour. Quality in higher education is the most urgent need as India moves towards becoming an educational hub. In view of above, the Internal Quality Assurance Cell (IQAC) of Vidya Jyothi Institute of Technology (Autonomous) organized the two days National Seminar with the objectives as follows,

- Defining PEO'S/PSOs and COs, Mapping of COs to POs/PSOs, together with the strength of mapping and defining assessments that justify the mapping, Overall PEO Attainment.
- Learning objectives of course and question paper setting as per blooms taxonomy.
- Teaching Learning and Evaluation: Tools and handle larger class rooms and quicker way of students as well as faculty evaluation
- Best Practices and Case Studies in Teaching and Learning to enhance Quality of Engineering Education

## Program schedule

Day – 1 (14<sup>th</sup> Dec 2018, Friday)

10:00 to 10:30	Inauguration
Resource Person:	<b>Dr. B Kanmani</b> , Dean-Academics, Professor, BMS College of Engineering, Bangalore
<b>Session – 1 A</b>	<b>Topics</b>
10:30 to 11:30 AM	Introduction to OBE Distinguishing between PEOs, POs, PSOs and COs
11:30 to 1:00 PM	Defining PEO'S/PSOs and COs, Mapping of COs to POs/PSOs, together with the strength of mapping and defining assessments that justify the mapping, Overall PEO Attainment
1:00 to 1:45 PM	Lunch Break
1:45 to 3.15 PM	Computing the attainment of COs, POs/PSOs, using direct and indirect tools
3.15 to 3.30 PM	Tea Break
3.30 to 5.00 PM	Curriculum Design Continuous improvement through the attainment

Resource Person:	<b>Dr. Madhuri Mavinkurve</b> ET Practioner & Trainer, Mumbai
<b>Session – 1 B</b>	<b>Topics</b>
10:30 to 11:30 AM	<i>Outcome Based Education</i> The session will introduce the need for writing course outcomes and assessment questions mapped to these outcomes. It will then start off with how to achieve this outcome based education.
11:30 to 1:00 PM	Design Question bank for their course to attain OBE (Hands-on activity) In this session, the objective will be discussing how to write assessment questions such that they are mapped to the learning objectives teachers had already written
1:00 to 1:45 PM	Lunch Break
1:45 to 3 PM	Blueprint design based on course outcomes and Revised Bloom's taxonomy In this session, the objective will be to introduce the concept of Blueprint design. The session will also discuss how to design this Blueprint of assessment questions to achieve outcome based education
3.15 to 3.30 PM	Tea Break
3.30 to 5.00 PM	Design of Question paper based on OBE alignment. Finally OBE based question paper by teachers

## Program schedule

Day – 2 (15<sup>th</sup> Dec 2018, Saturday)

Resource Person: <b>Dr RanjithRamdurai</b> , Associate Professor & Head of the Department of Engineering Science, IIT Hyderabad	
Session	Topics
1 10:00 to 11:30 AM	Teaching and learning methods – Peer Instruction The session will give a brief on various teaching learning methods and would focus on the benefits of peer instruction and methodology involved
2 11:30 to 1:00 PM	Evaluation / Self-assessment of lectures in OBE This session will brief on online free tools that are available for assessment of students and identification of concepts that have not reached efficiently to the students
1:00 to 1:45 PM	Lunch Break
Resource Person: <b>Dr. B. V. Appa Rao</b> , Research Fellow (Emeritus), Teaching Learning Center (TLC), NIT, Warangal	
3 1:45 to 4:00 PM	Best practices / Case studies in Teaching and Learning
4:00 to 4:15 PM	Tea Break
4 4:15 to 4:45 PM	Valedictory Function

### VJIT holds seminar on boosting tech edu

OUR BUREAU

**Moinabad:** A two-day national seminar on 'Quality Improvement in Technical Education through Outcome Based Education' was hosted at VJIT, in which around 130 participants from various colleges participated. VJIT Director Dr P Venugopal Reddy laid stress on learning methods to improve overall quality of education. Such practices need to be adopted holistically to augment students' knowledge and skills for better career prospects, he observed. Dr A Padmaja called for strictly ob-

-serving quality education, conforming to the norms of NBA and NAAC. IQAC Coordinator Dr CN Ravi enunciated the theme of the seminar. Guests and resource persons included Dr Kanmani Dean-Academics, Professor, BMS College of Engineering, Bangalore, Dr Madhuri Mavinkurve, ET Practitioner & Trainer, Dr Ranjith Ramadurai, Associate Professor & Head of the Department of Engineering Science, HT, Hyderabad and Dr BV Appa Rao, Research Fellow (Emeritus), Teaching Learning Center (TLC), NIT, Warangal, gave scidental demonstra-



tions on the OBE practices in the curriculum design, deliverance, assessments and examinations in tune with the Blooms Level through online tools that foster lifelong learning and leverage the students' broader prospects of a successful ca-

reer.

The seminar concluded with a stimulating urge to embrace outcome-based education that promotes students' sustainable growth, management and potential that can resolve the inherent global issues.

