



**VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
(AUTONOMOUS)
Tiruchengode - 637 205**



**CAPACITY BUILDING WORKSHOP ON
“OUTCOME BASED EDUCATION AND ACCREDITATION PROCESS”**

Organized by

INTERNAL QUALITY ASSURANCE CELL

12.07.2022




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Vivekanandha College of Engineering
for Women, (Autonomous)
Tiruchengode (Tk.) Namakkal (Dt)
Tamilnadu - 637 205.

Report

The meeting was started with the welcome address given by Mr.D.Santhoshkumar, IQAC coordinator. Dr.KCK.Vijayakumar,Principal delivered the importance of outcome-based education.

Session - 1

Topic: "Outcome Based Education framework and its components"

Resource person: Dr.L.Malathi, Head, Department of Computer Science and Engineering

Points Covered

Components of OBE

The four (4) major components of OBE, which cover

- (1) Curriculum design,
- (2) Teaching and learning methods,
- (3) Assessment, and
- (4) Continual quality improvement (CQI) and monitoring.

Characteristics of OBE

It is a combination of three types of competence:

- ❖ **Practical:** knowing how to do things, ability to make decisions
- ❖ **Fundamental:** understanding what you are doing and why
- ❖ **Reflective:** learn and adapt through self-reflection; apply knowledge appropriately and responsibly.

Session - 2

Topic: "Graduate Attributes & Student Learning Outcome"

Resource person: Mr.D.Santhosh Kumar, IQAC Coordinator

Points Covered

12 graduate attributes on the Outcome Based Education

- ❖ Engineering knowledge
- ❖ Problem analysis
- ❖ Design/development of solutions
- ❖ Conduct investigations of complex problems
- ❖ Modern tool usage
- ❖ The engineer and society
- ❖ Environment and sustainability
- ❖ Ethics
- ❖ Individual and teamwork
- ❖ Communication
- ❖ Project management and finance
- ❖ Life-long learning



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Bloom taxonomy and design of learning outcomes

Knowledge levels for assessment of Outcomes based on Blooms Taxonomy

S.No	Level	Parameter
1	K1	Knowledge
2	K2	Comprehension
3	K3	Application
4	K4	Analysis
5	K5	Synthesis
6	K6	Evaluation

Usage of Bloom taxonomy in lesson plan

Divide the taxonomy into three sections: remember and understand, apply and analyze, and evaluate and create. Then, divide your lesson into three segments and apply each of the learning levels above.

Session - 3

Topic: "Mapping Outcomes, Assessment and Rubrics"

Resource person: Mr.T.Manikakdan, Asst.Professor, Department of ECE.

Points Covered

Outcome based education in which an emphasis is placed on a clearly articulated idea of what students are expected to know and be able to do, that is, what skills and knowledge they need to have, when they leave the school system.

Traditional process of curriculum mapping

Three traditional approaches

1. Mapping learning outcomes started with a compilation of responses got as a result of sending an excel spreadsheet/template electronically to the faculty or staff.
2. Completion of the entire mapping by the program head who does it in isolation to be submitted to the assessment management system. There could be less or no conversation with other faculties during this process.
3. A meeting point where faculty comes together to identify the alignment of the course and to address various learning outcomes. Usually, this step is entailed by a planned examination.



Curriculum map: Two-dimensional matrix

	Learning outcomes 1	Learning outcomes 2	Learning outcomes 3
Course 1			
Course 2			
Course 3			

Five levels of Mapping

The five levels of mapping learning outcomes are as follow:

1. PO-Course mapping
2. CO-PO mapping
3. Assessments - CO mapping
4. Syllabus - CO mapping
5. Questions - CO mapping

Attainment of CO, PO and Continuous quality improvement

Attainment of Outcomes:

- ❖ The Program Outcomes (POs) and Program Specific Outcomes (PSOs) are accomplished through curriculum
- ❖ Course Outcomes (COs) are defined for each course and they are mapped to POs and PSOs.
- ❖ A set of performance evaluation criteria is used for quantitative assessment of COs
- ❖ Attainment of COs provides an evidence of attainment of POs and PSOs.

Session - 4

Topic: "Different assessment methods"

Resource person: Dr.R.Saravanakumar, IQAC Incharge and Professor of ECE.

Points Covered

Summarized the implementation of OBE in syllabus with suitable examples and explained the methods of assessment.

Different methods for Assessment, Evaluation and Measurement of POs/PSOs

- ❖ Direct Assessment methods
- ❖ Indirect Assessment methods

Direct Assessment methods :

- ❖ **Continuous Assessment:** COs are assessed through Sessional & Assignment Examinations, Home Assignments and Lab records. The COs are mapped against each question and CO analysis is carried out by faculty for each course and documented in Faculty Course Assessment Report (FCAR). The contribution of



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COs are assessed in high, moderate and low levels, towards the attainment of POs/PSOs.

- ❖ **Semester-end Theory Examinations:** The questions in semester-end examinations are tested pertaining to all COs, in varying Blooms Taxonomy Levels.
- ❖ **Laboratory Records:** Both continuous and semester-end examinations are conducted to test the COs attainment.


Indirect Assessment Methods:

- ❖ **Programme - Exit survey:** This survey taken from the final year students at the completion of their B.Tech programme, stands as the comprehensive feedback for the PO/PSO assessment
- ❖ **Alumni Survey :** This survey is conducted annually through Google link or mail with the Alumni to obtain the inputs and suggestions on PO attainment in the real time societal environment
- ❖ **Employer Survey:** This survey is taken from the employer to measure the PO attainments.

Finally, participants shared their feedback and their learning about the workshop.

The workshop is ended with the vote of thanks given by Mr.G.Kanagasabapathy, IQAC Coordinator.




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Date: 12.07.2022

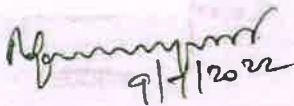
Time: 10.15a.m

Venue: **EEE Seminar Hall**

S.No	Session	Topics	Resource Person
1	10.15 a.m–12.30p.m	Inaugural	Dr.L.Malathi.HOD/CSE Mr.D.Santhoshkumar.AP/EEE Dr.R.Saravanakumar.Prof/ECE, IQAC i/c Mr.T.Manikandan.AP/ECE
		Outcome-based Education Framework & its Components	
		Graduate Attributes & Student Learning Outcomes (GA, PO & CO)	
		Bloom Taxonomy and Design of Learning Outcomes	
		Mapping Outcomes, Assessment and Rubrics	
		Attainment of CO, PO and Continuous Quality Improvement	
		Feedback Session	

HOD's are asked to


- ✓ Depute newly Joined faculties to attend the program.


9/7/2022

IQAC In-charge


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Date: 12.07.2022

Time: 10.15a.m

Venue: EEE Seminar Hall

Name list of the faculty to attend the program

Sl.No	Department	Name of the faculty
1	ECE	Dr S.Sasikanth ASP ✓ Mrs R.Kavitha AP ✓ Ms R.Indhu AP ✓ Mr J.Divakaran AP ✓ Ms Rajeswari AP ✓
2	CSE	Mrs Kavitha AP ✓ Mrs SoniaLaxmi AP ✓ Mrs Saranya AP ✓
3	IT	Mrs T.Janani AP ✓ Mrs T.Haritha AP ✓
4	EEE	Dr J.Muruganantham AP ✓ Mr A.Pradeep AP ✓
5	BT	Dr Sethu AP ✓ Ms Karhtiga AP ✓
6	BME	Ms A.Anjali AP ✓
7	CST	Ms Priyanka AP ✓
8	S&H	Ms Sridevi AP/Maths ✓ Mr Sreesakthiprem AP/ ✓ Mr Vijayakumar AP/Mech ✓

Total number of faculty: 19

Adganyam
9/7/22

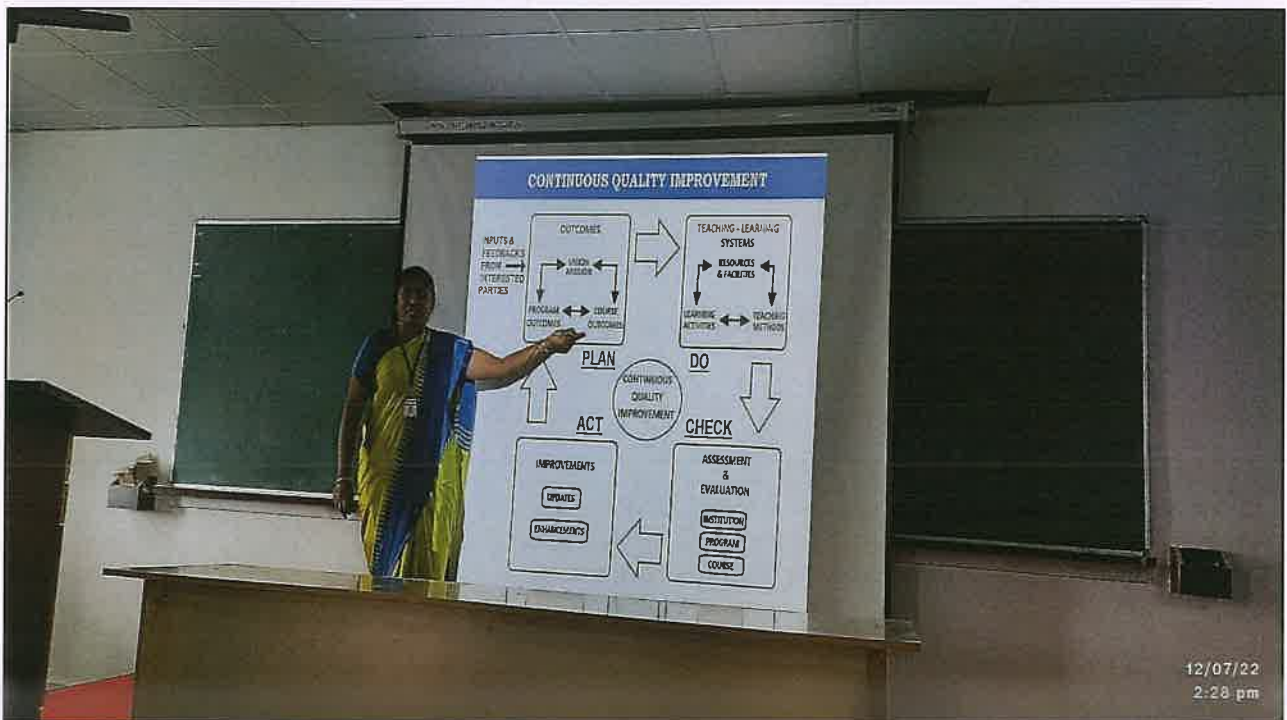
IQAC In-charge

Signature
Principal



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Date: 12-07-2022

Venue: CSE Smart Classroom

ATTENDANCE

S.No.	Staff name	Department	Designation	Signature
1	T. Kavitha	CSE	AP	T. Kavitha
2	P. BRI DEVI	MATHS	AP	P. B. Devi
3	A. SARANYA	CSE	AP	A. Saranya
4	K. SONIYA LAKSHMI	CSE	AP	K. Soniya Lakshmi
5	Dr. R. Nirmala	ECE	ASP	Dr. R. Nirmala
6	G. Rajeswari	ECE	AP	G. Rajeswari
7	R. Indhumathi	ECE	AP	R. Indhumathi
8	Dr. Kavitha R.	ECE	AP	Dr. Kavitha R.
9	Dr. S. SASIKANTH	ELE	ASP	Dr. S. Sasikanth
10	Dr. J. MURUGANANTHAM	EEE	AP	Dr. J. Muruganantham
11	S. Sree Sakthi Prem	English	AP	S. Sree Sakthi Prem
12	N. Vijayakumar	MECH	AP	N. Vijayakumar
13	S. Divakaran	ECE	AP	S. Divakaran
14	A. Pradeep	EEE	AP	A. Pradeep
15	Dr. J. Sathesh Kumar	ECE	AP	Dr. J. Sathesh Kumar
16	Dr. M. Selvam	BT	AP	Dr. M. Selvam
17	T. Janani	IT	AP	T. Janani
18	T. HARITHA	IT	AP	T. Haritha
19	M. Priyanka	CST	AP	M. Priyanka
20	S. KARTHIKADEVI	BT	AP	S. Kartikadevi



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Date: 12-07-2022

Venue: CSE Smart Classroom

FEEDBACK

S.No.	Particular	Very Good	Good	Neutral	Need to Improve
1	Venue and arrangements	✓			
2	Content was relevant and easy to understand	✓			
3	Workshop handouts were clear and well-organized	✓			
4	Workshop was a good mix between listening and activities	✓			
5	Facilitators were knowledgeable and well-prepared	✓			
6	Responsive to participants' questions				

Any other suggestions:

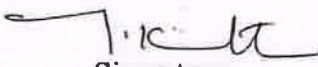
Kindly conduct one more sessions

Learning outcome of this workshop:


I learn "Teacher is a facilitator"

Name of the faculty: T. Kavitha

Designation & Department: AP/CSE


Signature




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4	Workshop was a good mix between listening and activities	✓			
5	Facilitators were knowledgeable and well-prepared	✓			
6	Responsive to participants' questions	✓			

Any other suggestions:

ND

Learning outcome of this workshop:

I learned a lot of things, what is course objective, CO's, PO's & PRO's.

Name of the faculty: P. SRI DEVI

Designation & Department: AP Maths

Signature



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4	Workshop was a good mix between listening and activities	✓			
5	Facilitators were knowledgeable and well-prepared	✓			
6	Responsive to participants' questions	✓			

Any other suggestions:

Nil.

Learning outcome of this workshop:

Get some idea about OBE.

Name of the faculty: Dr. S. SASIKANTH

Designation & Department: Asp | ECE


Signature

