

2018

**[OBE DESIGN- LIFE-LONG
LEARNING DEPARTMENT]**

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PREFACE

Outcome Based Education (OBE) is the educational approach which focuses on student centric education in the context of development of personal, social, professional and knowledge (KSA) requirements in one's career and life. It is the decade ago curriculum development methodology. The educational triangle of LEARNING-ASSESSMENT-TEACHING is the unique nature of the OBE approach. The curriculum practices such as Competency Based Curriculum, Taylor's Model of Curriculum Development, Spadys' Curriculum principles, Blooms taxonomy and further use of assessment methodologies like, Norm-reference testing and Criterion reference testing, etc is being practiced since decades. It is also interesting to know that, globally, different countries and universities adopts the curriculum development models/approaches such as, CDIO (Conceive-Design-Implement-Operate), Evidenced Based Education, Systems' Approach, etc as the scientific and systematic approaches in curriculum design.

The authorities of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) in-lieu of accreditation standards of National Assessment and Accreditation Council, decided to opt for Outcomes Based Education (OBE). As the part of the decision, different meetings, workshops and presentations were held at the campus of university.

This document is the outcome of different meetings and workshops held at university level and department level. The detailed document is designed and the existing curriculum of the department is transformed in to the framework of OBE. This is the first step towards the implementation of OBE in the department. The document will serve all stakeholders in the effective implementation of the curriculum. The OBE is continuous process for quality enhancement and it will go a long way in order to enhance the competencies and employability of the graduates/Post-graduates of the university department.

Head of Department

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OUTCOME BASED EDUCATION

Faculty of Humanities

Department of Life-Long Learning

1. Mission:

Mission Statement

- To extend knowledge with other institutional resources to the community and vice-versa.
- To develop value based, ethical and skill based employable manpower.
- To gain insight from socio-cultural realities and reflect it in system of higher education.

2. Vision:

Vision Statement

- Making education relevant to real life situation.
- For preventing the alienation of education from society.
- For developing in the sense of responsibility towards society.
- For deepening the teachers knowledge through wider exposure to real life situation.

3. Title of the Program (s):

a. Certificate Courses

4. Program Educational Objectives:

The program educational objectives (PEO) are the statement that describes the career and professional achievement after the program of studies (graduation/ post-graduation). The PEO s are driven form question no. (ii) of the Mission statement (What is the purpose of organization). The PEOs can be minimum three and maximum five.

- I. Minimum competency level in the domain of education.
- II. Ability to start own enterprise.
- III. Employability enhancement for opting successful career
- IV. Ability to deliver competent services and develop value & ethics.

5. Program Outcomes:

The program outcomes (PO) are the statement of competencies/ abilities. POs are the statement that describes the knowledge and the abilities the graduate/ post-graduate will have by the end of program studies.

- a. Fundamental knowledge and skill in the domain of education.
- b. Apply the knowledge and skill in the work life.
- c. Ability to develop attitude of lifelong learning.
- d. Operate the profession with scientific methods and knowledge.
- e. Demonstrate values and communication skill at work.

6. Course- Program outcome Matrix:

The Program Outcomes are developed through the curriculum (curricular/co-curricular-extra-curricular activities). The program outcomes are attained through the course implementation. As an educator, one must know, **“to which POs his/her course in contributing?”**. So that one can design the learning experiences, select teaching method and design the tool for assessment. Hence, establishing the Course-PO matrix is essential step in the OBE. The course-program outcomes matrix indicates the co-relation between the courses and program outcomes. The CO-PO matrix is the map of list of courses contributing to the development of respective POs.

The programmes being short duration, all courses are mapped with the all program outcomes.

7. Course Outcomes (for all courses):

The course outcomes are the statement that describes the knowledge & abilities developed in the student by the end of course (subject) teaching. The focus is on development of abilities rather than mere content. There can be 5 to 7 course outcomes of any course. These are to be written in the specific terms and not in general. The list of Course Outcomes is the part of **Annexure-C** attached herewith.

8. Set Target levels for Attainment of Course Outcomes:

The course outcome attainment is assessed in order to track the graduates' performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduates' abilities through appropriate learning & teaching strategies. In order to assess students' performance with respect to abilities (at the end of course teaching/by the end of program) the course outcome attainment are measured/calculated. In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done.

9. Set Target level for Attainment of Program Outcomes:

The program outcome attainment is assessed in order to track the graduates' performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduates' abilities through appropriate learning & teaching strategies. In order to assess students' performance with respect to abilities (at the end of course teaching/by the end of program) the course outcome attainment and program outcome attainment is measured/calculated. The program outcome attainment is governed by curricular, co-curricular and extra-curricular activities including the stakeholders' participation. The direct method and indirect method is adopted to calculate the PO attainment. The direct method implies the attainment by course outcomes contributing to respective program outcomes. And indirect method is the satisfaction/feed-back survey of stakeholders. In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done.

The set target level is the set benchmark to ensure the continuous improvements in the learners/ graduates' performance.

10. Course Attainment Levels:

- a. CO attainment is defined/set at three levels;
- b. The CO attainment is based on end term examination assessment and internal assessment;
- c. The Co attainment is defined at three levels in ascending order-
 - i. e.g. For end term and internal examination;
 - ii. Level-1: 40% students scored more than class average
 - iii. Level-2: 50% students score more than class average;
 - iv. Level-3: 60% students score more than class average.
- d. The target level is set (e.g. Level-2). It indicates that, the current target is level-2; 50% students score more than class average. The CO attainment is measured and the results are obtained. Based on the results of attainment, the corrective measures/remedial action are taken.
- e. CO Attainment= 80% (Attainment level in end term examination) + 20% (Attainment level in internal examination).
- f. **One example for calculation of CO attainment is demonstrated in Point No. 12. The example of Aganwadi courses in taken as example.**

11. Program attainment Level:

- a. PO attainment is defined at five levels in ascending order;
- b. The PO attainment is based on the average attainment level of corresponding courses (Direct Method) and feed-back survey (Indirect method);
- c. The PO attainment levels are defined / set as stated below;
 - i. Level-1: Greater than 0.5 and less than 1.0 (0.5>1)- Poor
 - ii. Level-2: 1.0>1.5-Average
 - iii. Level-3: 1.5>2.0-Good
 - iv. Level-4: 2.0>2.5-Very Good

- v. Level-5: 2.5>3.0 -Excellent
- d. The PO attainment target level is set/defined (say, Level-4). It implies that, the department is aiming at minimum level-4 (very good) in the performance of abilities by the graduates. Based upon the results of attainment, the remedial measures are taken;
- e. PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method).
- f. **One example for calculation of PO attainment is demonstrated in Point No. 13. The example of Aganwadi courses is taken as example.**

12. The Results of CO Attainment:

The Results of CO attainment are provided in Annexure-C

FOR EXAMPLE:

COURSE CODE/TITLE: PAPER-III

e.g. For end term and internal examination;

- i. Level-1: 30% students scored more than class average
- ii. Level-2: 40% students score more than class average;
- iii. Level-3: 50% students score more than class average

Average Marks in examination: 54.76 = i.e. 55.00

% Students score more than 55 is 37/85 i.e. 43.52 % i.e. Level-2

A (CO) COM-401= 100% (2)

= 2.0

=2.0

Hence, the attainment level is Level-2 and the set target level is Level-2 and therefore the CO is fully attained.

Table No. 1.0: CO Attainment Level

ANNEXURE-C
RESULTS OF CO-PO ATTAINMENT
AGANWADI

| Sr. No. | Course | CO Attainment Value | Target Attainment level | Fully attained/ Not Attained | Remedial Measures |
|---------|-----------|---------------------|-------------------------|------------------------------|-------------------|
| 1 | PAPER-1 | 2 | 2 | Fully attained | Not Applicable |
| 2 | PAPER-2 | 2 | 2 | Fully attained | |
| 3 | PAPER-3 | 2 | 2 | Fully attained | |
| 4 | PAPER-4 | 2 | 2 | Fully attained | |
| 5 | PRACTICAL | 3 | 2 | Fully attained | |

BEAUTICIAN

| Course | CO Attainment Value | Target Attainment level | Fully attained/ Not Attained | Remedial Measures |
|-----------|---------------------|-------------------------|------------------------------|---|
| PAPER-I | 2 | 2 | Fully attained | |
| PAPER-II | 1 | 2 | Not attained | Assignments, tutorials, exercise, coaching. |
| PAPER-III | 1 | 2 | Not attained | |
| PAPER-IV | 2 | 2 | Fully Attained | |

DRESS MAKING

| Course | CO Attainment Value | Target Attainment level | Fully attained/ Not Attained | Remedial Measures |
|-----------|---------------------|-------------------------|------------------------------|---|
| PAPER-I | 3 | 2 | Fully Attained | |
| PAPER-II | 1 | 2 | Not Attained | Assignments, Tutorials, exercise, coaching. |
| PAPER-III | 1 | 2 | Not Attained | |
| PAPER-IV | 1 | 2 | Not Attained | |
| PAPER-V | 1 | 2 | Not Attained | |

ENGLISH COMMUNICATION

| Course | CO Attainment Value | Target Attainment level | Fully attained/ Not Attained | Remedial Measures |
|-----------|---------------------|-------------------------|------------------------------|-------------------|
| PAPER-I | 2 | 2 | Fully attained | Not Applicable |
| PAPER-II | 3 | 2 | Fully attained | |
| PAPER-III | 3 | 2 | Fully attained | |
| PAPER-IV | 3 | 2 | Fully attained | |
| PAPER-IV | 2 | 2 | Fully attained | |

LIBRARY ATTENDANT

| Course | CO Attainment Value | Target Attainment level | Fully attained/ Not Attained | Remedial Measures |
|---------|---------------------|-------------------------|------------------------------|-------------------|
| PAPER-1 | 3 | 2 | Fully attained | Not Applicable |
| 2 | 3 | 2 | Fully attained | |
| 3 | 3 | 2 | Fully attained | |
| 4 | 3 | 2 | Fully attained | |
| 5 | 3 | 2 | Fully attained | |
| 6 | 2.2 | 2 | Fully attained | |
| 7 | 3 | 2 | Fully attained | |

MILK BUSINESS

| Course | CO Attainment Value | Target Attainment level | Fully attained/ Not Attained | Remedial Measures |
|----------|---------------------|-------------------------|------------------------------|-------------------|
| PAPPER-1 | 2 | 2 | Fully attained | Not applicable |
| 2 | 3 | 2 | Fully attained | |
| 3 | 3 | 2 | Fully attained | |
| 4 | 3 | 2 | Fully attained | |
| 5 | 3 | 2 | Fully attained | |

DIPLOMA IN DISTANCE EDUCATION AND ADULT CONTINUING AND EXTENSION

| Course | CO Attainment Value | Target Attainment level | Fully attained/ Not Attained | Remedial Measures |
|---------|---------------------|-------------------------|------------------------------|-------------------|
| PAPER-1 | 2 | 2 | Fully attained | Not applicable |
| 2 | 3 | 2 | Fully attained | |
| 3 | 3 | 2 | Fully attained | |
| 4 | 3 | 2 | Fully attained | |
| 5 | 3 | 2 | Fully attained | |

13.The Results of PO Attainment:

The Results of PO attainment are provided in Annexure-C

FOR EXAMPLE:

PO NO.: d

(Note: Refer point No. 11 above which describes the attainment level and set target attainment level)

PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method).

$$A (PO) 3/c = 80\% (2+2+2+2+3)/5 + 20\% (2.2)$$

$$= 80\% (2.2) + 20\% (2.2)$$

$$= 1.76 + 0.44$$

$$= 2.20 \text{ i.e. Level-4. Level-4 is the Target Attainment level.}$$

Hence PO is attained.

Table No. 2.0 PO Attainment Level

ANNEXURE-C
RESULTS OF CO-PO ATTAINMENT

AGANWADI

| PO/PSO | PO Attainment Value | Target Attainment Level | Fully Attained/ Not attained | Remedial Measures |
|---------------|----------------------------|--------------------------------|-------------------------------------|--------------------------|
| a | 2.2 | 4 | Fully Attained | Not Applicable |
| b | 2.2 | 4 | Fully Attained | |
| c | 2.2 | 4 | Fully Attained | |
| d | 2.2 | 4 | Fully Attained | |
| e | 2.2 | 4 | Fully Attained | |

CERTIFICATE COURSE IN BEAUTICIAN

| PO/PSO | PO Attainment Value | Target Attainment Level | Fully Attained/ Not attained | Remedial Measures |
|---------------|----------------------------|--------------------------------|-------------------------------------|--|
| a | 1.5 | 4 | Not attained | Assignment, tutorials, exercise and coaching shall be planned for the contributing courses w.r.t. PO |
| b | 1.5 | 4 | Not attained | |
| c | 1.5 | 4 | Not attained | |
| d | 1.5 | 4 | Not attained | |
| e | 1.5 | 4 | Not attained | |

DIPLOMA IN DRESS MAKING

| PO/PSO | PO Attainment Value | Target Attainment Level | Fully Attained/ Not attained | Remedial Measures |
|---------------|----------------------------|--------------------------------|-------------------------------------|--|
| a | 1.4 | 4 | Not attained | Assignment, tutorials, exercise and coaching shall be planned for the contributing courses w.r.t. PO |
| b | 1.4 | 4 | Not attained | |
| c | 1.4 | 4 | Not attained | |
| d | 1.4 | 4 | Not attained | |
| e | 1.4 | 4 | Not attained | |

DIPLOMA IN ENGLISH COMMUNICATION

| PO/PSO | PO Attainment Value | Target Attainment Level | Fully Attained/ Not attained | Remedial Measures |
|---------------|----------------------------|--------------------------------|-------------------------------------|--------------------------|
| a | 2.6 | 4 | Fully Attained | Not Applicable |
| b | 2.6 | 4 | Fully Attained | |
| c | 2.6 | 4 | Fully Attained | |
| d | 2.6 | 4 | Fully Attained | |
| e | 2.6 | 4 | Fully Attained | |

CERTIFICATE COURSE IN LIBRARY ATTENDANT

| PO/PSO | PO Attainment Value | Target Attainment Level | Fully Attained/ Not attained | Remedial Measures |
|---------------|----------------------------|--------------------------------|-------------------------------------|--------------------------|
| a | 2.88 | 4 | Fully Attained | Not Applicable |
| b | 2.88 | 4 | Fully Attained | |
| c | 2.88 | 4 | Fully Attained | |
| d | 2.88 | 4 | Fully Attained | |
| e | 2.88 | 4 | Fully Attained | |

CERTIFICATE COURSE IN MILK BUSINESS

| PO/PSO | PO Attainment Value | Target Attainment Level | Fully Attained/ Not attained | Remedial Measures |
|---------------|----------------------------|--------------------------------|-------------------------------------|--------------------------|
| a | 2.80 | 4 | Fully Attained | Not Applicable |
| b | 2.80 | 4 | Fully Attained | |
| c | 2.80 | 4 | Fully Attained | |
| d | 2.80 | 4 | Fully Attained | |
| e | 2.80 | 4 | Fully Attained | |

**P.G.DIPLOMA IN DISTANCE EDUCATION
ADULT CONTINUING EDUCATION AND EXTENSION**

| PO/PSO | PO Attainment Value | Target Attainment Level | Fully Attained/ Not attained | Remedial Measures |
|---------------|----------------------------|--------------------------------|-------------------------------------|--------------------------|
| a | 2.80 | 4 | Fully Attained | Not Applicable |
| b | 2.80 | 4 | Fully Attained | |
| c | 2.80 | 4 | Fully Attained | |
| d | 2.80 | 4 | Fully Attained | |
| e | 2.80 | 4 | Fully Attained | |

14. Planned Actions for Course Attainment:

The courses having attainment level less than Level-2 shall be addressed by remedial measures such as assignment, tutorials and coaching.

15.Planned Actions for Program Outcome Attainment:

The PO having attainment level less than Level-4 shall be addressed by planning the remedial measures such as assignment, exercises, tutorials and classes for the corresponding courses.

ANNEXURE-B
RESULTS OF CO-PO ATTAINMENT

| AGANWADI | | | | | | |
|-----------------|-----------|-----------|-----------|-----------|-----|-----|
| | | 30 | 40 | 50 | | |
| | | 1 | 2 | 3 | 4 | 5 |
| | PAPER-1 | 2 | 2 | 2 | 2 | 2 |
| | PAPER-2 | 2 | 2 | 2 | 2 | 2 |
| | PAPER-3 | 2 | 2 | 2 | 2 | 2 |
| | PAPPER-4 | 2 | 2 | 2 | 2 | 2 |
| | PRACTICAL | 3 | 3 | 3 | 3 | 3 |
| | | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| | | | | | | |

| CERTIFICATE COURSE IN BEAUTICIAN | | | | | |
|---|-----------|-----|-----------|-----------|-----------|
| | | | 30 | 40 | 50 |
| | a | B | c | d | e |
| | PAPER-I | 2 | 2 | 2 | 2 |
| | PAPER-II | 1 | 1 | 1 | 1 |
| | PAPER-III | 1 | 1 | 1 | 1 |
| | PAPER-IV | 2 | 2 | 2 | 2 |
| | | 1.5 | 1.5 | 1.5 | 1.5 |

| DIPLOMA IN DRESS MAKING | | | | | |
|--------------------------------|-----|-----|-----------|-----------|-----------|
| | | | 30 | 40 | 50 |
| | a | b | c | d | e |
| PAPER-I | 3 | 3 | 3 | 3 | 3 |
| PAPER-II | 1 | 1 | 1 | 1 | 1 |
| PAPER-III | 1 | 1 | 1 | 1 | 1 |
| PAPER-IV | 1 | 1 | 1 | 1 | 1 |
| PAPER-V | 1 | 1 | 1 | 1 | 1 |
| | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |

| DIPLOMA IN ENGLISH COMMUNICATION | | | | | |
|---|-----|-----|-----------|-----------|-----------|
| | | | 30 | 40 | 50 |
| | a | b | c | d | e |
| PAPER-I | 2 | 2 | 2 | 2 | 2 |
| PAPER-II | 3 | 3 | 3 | 3 | 3 |
| PAPER-III | 3 | 3 | 3 | 3 | 3 |
| PAPER-IV | 3 | 3 | 3 | 3 | 3 |
| PAPER-V | 2 | 2 | 2 | 2 | 2 |
| | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |

| CERTIFICATE COURSE IN LIBRARY ATTENDANT | | | | | | |
|---|----------|----------|----------|----------|----------|----|
| | | | | 30 | 40 | 50 |
| | a | b | c | d | e | |
| PAPER-1 | 3 | 3 | 3 | 3 | 3 | |
| 2 | 3 | 3 | 3 | 3 | 3 | |
| 3 | 3 | 3 | 3 | 3 | 3 | |
| 4 | 3 | 3 | 3 | 3 | 3 | |
| 5 | 3 | 3 | 3 | 3 | 3 | |
| 6 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | |
| 7 | 3 | 3 | 3 | 3 | 3 | |
| | 2.885714 | 2.885714 | 2.885714 | 2.885714 | 2.885714 | |
| | | | | | | |

| CERTIFICATE COURSE IN MILK BUSINESS | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|-----|
| | | | | 30 | 40 | 50 |
| | a | b | c | d | e | |
| PAPPER-1 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 5 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |

| P.G.DIPLOMA IN DISTANCE EDUCATION ADULT CONTINUING EDUCATION AND EXTENSION | | | | | | |
|---|-----|-----|-----|-----------|-----------|-----------|
| | | | | | | |
| | | | | 30 | 40 | 50 |
| | a | b | c | d | e | |
| PAPER-1 | 2 | 2 | 2 | 2 | 2 | |
| 2 | 3 | 3 | 3 | 3 | 3 | |
| 3 | 3 | 3 | 3 | 3 | 3 | |
| 4 | 3 | 3 | 3 | 3 | 3 | |
| 5 | 3 | 3 | 3 | 3 | 3 | |
| | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | |

ANNEXURE-C
COURSE OUTCOMES